Shenzhen Anbotek Compliance Laboratory Ltd
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Tel:+86-755-2606 6205
Address:1/F., Bldg C, Gold Power Industrial Park, Julongshan Grand Industrial Zone, Pingshan New District, Shenzhen, China

Shenzhen Tianya lighting Co., LTD

LumCAT:
Luminaire: TY-BUH-200CW-B120

Report No:	Voltage(V): 220.0300
Test No:	Current(A): 0.8610
LampCAT:	Power (W): 185.2000
Lamp flux(lm)	PF: 0.9777
Number of Lamps: 1	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 23956.87
Lumens(lm)/Power(W): 129.36
Central intensity(cd): 8237.512
Maximum intensity(cd): 8677.063
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=118.1
[C90/270]Total=115.9
Field angle(10%Imax): [C0/180]Total=155.1
[C90/270]Total=153.9
Maximum s/h(1/2): C0_180=1.36 C90_270=1.30
Maximum s/h(1/4): C0_180=1.46 C90_270=1.43
Up flux rate of LUM(%): 0.78%
Down flux rate of LUM(%): 99.22%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 81.649%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	8237.510	.000	.000	.000%	.000%	.000%
1.0	8290.931	7.909	7.909	.033%	.033%	.033%
2.0	8288.266	23.796	31.705	.099%	.132%	.132%
3.0	8283.441	39.634	71.339	.165%	.298%	.298%
4.0	8276.537	55.432	126.770	.231%	.529%	.529%
5.0	8266.914	71.169	197.939	.297%	.826%	.826%
6.0	8254.244	86.823	284.762	.362%	1.189%	1.189%
7.0	8239.695	102.378	387.140	.427%	1.616%	1.616%
8.0	8223.573	117.825	504.964	.492%	2.108%	2.108%
9.0	8204.873	133.135	638.100	.556%	2.664%	2.664%
10.0	8183.203	148.297	786.397	.619%	3.283%	3.283%
11.0	8159.235	163.295	949.691	.682%	3.964%	3.964%
12.0	8133.108	178.099	1127.790	.743%	4.708%	4.708%
13.0	8106.067	192.718	1320.508	.804%	5.512%	5.512%
14.0	8074.837	207.114	1527.622	.865%	6.377%	6.377%
15.0	8041.703	221.255	1748.877	.924%	7.300%	7.300%
16.0	8005.193	235.132	1984.009	.981%	8.282%	8.282%
17.0	7969.446	248.768	2232.777	1.038%	9.320%	9.320%
18.0	7930.091	262.149	2494.926	1.094%	10.414%	10.414%
19.0	7884.643	275.144	2770.070	1.148%	11.563%	11.563%
20.0	7837.543	287.760	3057.830	1.201%	12.764%	12.764%
21.0	7790.267	300.086	3357.916	1.253%	14.017%	14.017%
22.0	7742.153	312.131	3670.046	1.303%	15.319%	15.319%
23.0	7689.395	323.796	3993.842	1.352%	16.671%	16.671%
24.0	7633.587	335.015	4328.857	1.398%	18.069%	18.069%
25.0	7572.803	345.760	4674.617	1.443%	19.513%	19.513%
26.0	7515.269	356.156	5030.773	1.487%	20.999%	20.999%
27.0	7453.444	366.213	5396.986	1.529%	22.528%	22.528%
28.0	7389.083	375.781	5772.767	1.569%	24.097%	24.097%
29.0	7316.416	384.737	6157.504	1.606%	25.702%	25.702%
30.0	7247.989	393.236	6550.740	1.641%	27.344%	27.344%
31.0	7176.618	401.416	6952.156	1.676%	29.019%	29.019%
32.0	7105.020	409.152	7361.309	1.708%	30.727%	30.727%
33.0	7029.611	416.411	7777.720	1.738%	32.466%	32.466%
34.0	6947.347	422.984	8200.704	1.766%	34.231%	34.231%
35.0	6868.891	429.081	8629.785	1.791%	36.022%	36.022%
36.0	6785.208	434.749	9064.534	1.815%	37.837%	37.837%
37.0	6702.690	439.900	9504.434	1.836%	39.673%	39.673%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	6613.316	444.470	9948.904	1.855%	41.528%	41.528%
39.0	6522.321	448.355	10397.260	1.872%	43.400%	43.400%
40.0	6429.824	451.725	10848.980	1.886%	45.285%	45.285%
41.0	6336.262	454.594	11303.580	1.898%	47.183%	47.183%
42.0	6240.745	456.945	11760.520	1.907%	49.090%	49.090%
43.0	6141.090	458.659	12219.180	1.915%	51.005%	51.005%
44.0	6040.571	459.770	12678.950	1.919%	52.924%	52.924%
45.0	5940.154	460.433	13139.380	1.922%	54.846%	54.846%
46.0	5829.809	460.298	13599.680	1.921%	56.767%	56.767%
47.0	5722.283	459.457	14059.140	1.918%	58.685%	58.685%
48.0	5611.405	458.167	14517.310	1.912%	60.598%	60.598%
49.0	5497.023	456.174	14973.480	1.904%	62.502%	62.502%
50.0	5363.751	452.823	15426.300	1.890%	64.392%	64.392%
51.0	5241.194	448.680	15874.980	1.873%	66.265%	66.265%
52.0	5099.188	443.714	16318.700	1.852%	68.117%	68.117%
53.0	4958.959	437.529	16756.220	1.826%	69.943%	69.943%
54.0	4804.310	430.324	17186.550	1.796%	71.740%	71.740%
55.0	4647.019	421.891	17608.440	1.761%	73.501%	73.501%
56.0	4492.750	413.001	18021.440	1.724%	75.225%	75.225%
57.0	4323.170	403.084	18424.520	1.683%	76.907%	76.907%
58.0	4151.483	391.898	18816.420	1.636%	78.543%	78.543%
59.0	3943.337	378.438	19194.860	1.580%	80.123%	80.123%
60.0	3798.233	365.739	19560.600	1.527%	81.649%	81.649%
61.0	3625.886	354.294	19914.890	1.479%	83.128%	83.128%
62.0	3445.567	340.745	20255.630	1.422%	84.550%	84.550%
63.0	3254.305	325.850	20581.480	1.360%	85.911%	85.911%
64.0	3056.187	309.654	20891.140	1.293%	87.203%	87.203%
65.0	2835.142	291.557	21182.700	1.217%	88.420%	88.420%
66.0	2604.881	271.422	21454.120	1.133%	89.553%	89.553%
67.0	2377.260	250.516	21704.630	1.046%	90.599%	90.599%
68.0	2159.338	229.809	21934.440	.959%	91.558%	91.558%
69.0	1927.833	208.508	22142.950	.870%	92.428%	92.428%
70.0	1723.926	187.548	22330.500	.783%	93.211%	93.211%
71.0	1543.429	168.875	22499.370	.705%	93.916%	93.916%
72.0	1391.902	152.628	22652.000	.637%	94.553%	94.553%
73.0	1262.108	138.785	22790.790	.579%	95.133%	95.133%
74.0	1139.805	126.275	22917.060	.527%	95.660%	95.660%
75.0	1051.829	115.798	23032.860	.483%	96.143%	96.143%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	941.053	105.790	23138.650	.442%	96.585%	96.585%
77.0	832.942	94.581	23233.230	.395%	96.979%	96.979%
78.0	743.824	84.405	23317.640	.352%	97.332%	97.332%
79.0	665.851	75.741	23393.380	.316%	97.648%	97.648%
80.0	594.582	67.953	23461.330	.284%	97.932%	97.932%
81.0	522.170	60.392	23521.720	.252%	98.184%	98.184%
82.0	451.763	52.815	23574.540	.220%	98.404%	98.404%
83.0	387.806	45.640	23620.180	.191%	98.595%	98.595%
84.0	322.452	38.693	23658.870	.162%	98.756%	98.756%
85.0	255.626	31.550	23690.420	.132%	98.888%	98.888%
86.0	196.061	24.690	23715.110	.103%	98.991%	98.991%
87.0	148.607	18.863	23733.980	.079%	99.070%	99.070%
88.0	117.962	14.602	23748.580	.061%	99.131%	99.131%
89.0	97.777	11.825	23760.400	.049%	99.180%	99.180%
90.0	86.453	10.101	23770.500	.042%	99.222%	99.222%
91.0	79.597	9.104	23779.610	.038%	99.260%	99.260%
92.0	74.139	8.427	23788.030	.035%	99.295%	99.295%
93.0	69.188	7.851	23795.880	.033%	99.328%	99.328%
94.0	64.490	7.316	23803.200	.031%	99.359%	99.359%
95.0	60.428	6.828	23810.030	.029%	99.387%	99.387%
96.0	57.127	6.416	23816.450	.027%	99.414%	99.414%
97.0	53.954	6.051	23822.500	.025%	99.439%	99.439%
98.0	51.034	5.707	23828.200	.024%	99.463%	99.463%
99.0	48.368	5.390	23833.590	.023%	99.485%	99.485%
100.0	46.007	5.104	23838.700	.021%	99.507%	99.507%
101.0	43.899	4.847	23843.540	.020%	99.527%	99.527%
102.0	41.868	4.608	23848.150	.019%	99.546%	99.546%
103.0	39.964	4.381	23852.530	.018%	99.564%	99.564%
104.0	38.186	4.167	23856.700	.017%	99.582%	99.582%
105.0	36.511	3.965	23860.660	.017%	99.598%	99.598%
106.0	35.038	3.780	23864.450	.016%	99.614%	99.614%
107.0	33.439	3.600	23868.040	.015%	99.629%	99.629%
108.0	32.017	3.423	23871.470	.014%	99.644%	99.644%
109.0	30.620	3.257	23874.720	.014%	99.657%	99.657%
110.0	29.198	3.092	23877.820	.013%	99.670%	99.670%
111.0	27.853	2.930	23880.750	.012%	99.682%	99.682%
112.0	26.761	2.786	23883.530	.012%	99.694%	99.694%
113.0	25.669	2.656	23886.190	.011%	99.705%	99.705%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	24.603	2.528	23888.710	.011%	99.716%	99.716%
115.0	23.638	2.407	23891.120	.010%	99.726%	99.726%
116.0	22.851	2.301	23893.420	.010%	99.735%	99.735%
117.0	22.191	2.210	23895.630	.009%	99.744%	99.744%
118.0	21.531	2.126	23897.760	.009%	99.753%	99.753%
119.0	20.947	2.047	23899.810	.009%	99.762%	99.762%
120.0	20.439	1.975	23901.780	.008%	99.770%	99.770%
121.0	20.007	1.911	23903.690	.008%	99.778%	99.778%
122.0	19.677	1.855	23905.550	.008%	99.786%	99.786%
123.0	19.398	1.807	23907.350	.008%	99.793%	99.793%
124.0	19.169	1.763	23909.120	.007%	99.801%	99.801%
125.0	18.941	1.722	23910.840	.007%	99.808%	99.808%
126.0	18.687	1.680	23912.520	.007%	99.815%	99.815%
127.0	18.636	1.645	23914.160	.007%	99.822%	99.822%
128.0	18.484	1.615	23915.780	.007%	99.828%	99.828%
129.0	18.433	1.584	23917.360	.007%	99.835%	99.835%
130.0	18.433	1.560	23918.920	.007%	99.842%	99.842%
131.0	18.433	1.537	23920.460	.006%	99.848%	99.848%
132.0	18.281	1.508	23921.970	.006%	99.854%	99.854%
133.0	18.230	1.476	23923.450	.006%	99.860%	99.860%
134.0	18.205	1.449	23924.890	.006%	99.867%	99.867%
135.0	18.179	1.423	23926.320	.006%	99.872%	99.872%
136.0	18.179	1.397	23927.710	.006%	99.878%	99.878%
137.0	18.078	1.368	23929.080	.006%	99.884%	99.884%
138.0	18.052	1.338	23930.420	.006%	99.890%	99.890%
139.0	17.976	1.309	23931.730	.005%	99.895%	99.895%
140.0	17.925	1.278	23933.010	.005%	99.900%	99.900%
141.0	17.875	1.249	23934.260	.005%	99.906%	99.906%
142.0	17.824	1.218	23935.480	.005%	99.911%	99.911%
143.0	17.773	1.188	23936.660	.005%	99.916%	99.916%
144.0	17.621	1.154	23937.820	.005%	99.920%	99.920%
145.0	17.519	1.119	23938.940	.005%	99.925%	99.925%
146.0	17.291	1.081	23940.020	.005%	99.930%	99.930%
147.0	17.138	1.042	23941.060	.004%	99.934%	99.934%
148.0	16.834	1.001	23942.060	.004%	99.938%	99.938%
149.0	16.427	.953	23943.010	.004%	99.942%	99.942%
150.0	15.970	.902	23943.920	.004%	99.946%	99.946%
151.0	15.640	.853	23944.770	.004%	99.950%	99.950%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	15.285	.809	23945.580	.003%	99.953%	99.953%
153.0	15.209	.772	23946.350	.003%	99.956%	99.956%
154.0	15.209	.744	23947.090	.003%	99.959%	99.959%
155.0	15.310	.720	23947.810	.003%	99.962%	99.962%
156.0	15.336	.697	23948.510	.003%	99.965%	99.965%
157.0	15.361	.671	23949.180	.003%	99.968%	99.968%
158.0	15.361	.645	23949.830	.003%	99.971%	99.971%
159.0	15.437	.619	23950.450	.003%	99.973%	99.973%
160.0	15.462	.593	23951.040	.002%	99.976%	99.976%
161.0	15.513	.567	23951.610	.002%	99.978%	99.978%
162.0	15.437	.538	23952.150	.002%	99.980%	99.980%
163.0	15.437	.509	23952.660	.002%	99.982%	99.982%
164.0	15.361	.480	23953.140	.002%	99.984%	99.984%
165.0	15.386	.451	23953.590	.002%	99.986%	99.986%
166.0	15.412	.423	23954.010	.002%	99.988%	99.988%
167.0	15.437	.395	23954.400	.002%	99.990%	99.990%
168.0	15.513	.367	23954.770	.002%	99.991%	99.991%
169.0	15.361	.337	23955.110	.001%	99.993%	99.993%
170.0	15.386	.307	23955.420	.001%	99.994%	99.994%
171.0	15.386	.278	23955.700	.001%	99.995%	99.995%
172.0	15.361	.249	23955.950	.001%	99.996%	99.996%
173.0	15.361	.220	23956.170	.001%	99.997%	99.997%
174.0	15.386	.191	23956.360	.001%	99.998%	99.998%
175.0	15.513	.162	23956.520	.001%	99.999%	99.999%
176.0	15.666	.134	23956.650	.001%	99.999%	99.999%
177.0	15.767	.105	23956.760	.000%	100.000%	100.000%
178.0	15.945	.076	23956.840	.000%	100.000%	100.000%
179.0	16.097	.046	23956.880	.000%	100.000%	100.000%
180.0	16.046	.015	23956.900	.000%	100.000%	100.000%

Zonal flux distribution table

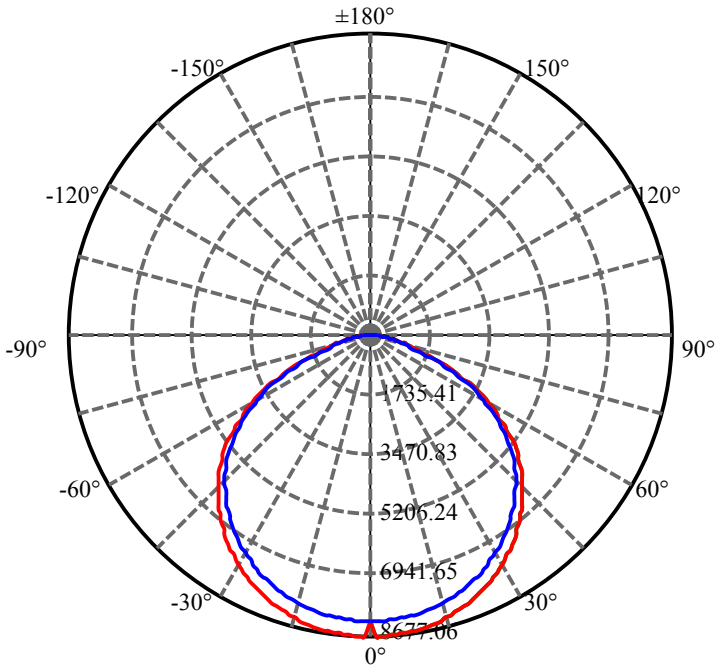
ZONAL LUMEN SUMMARY

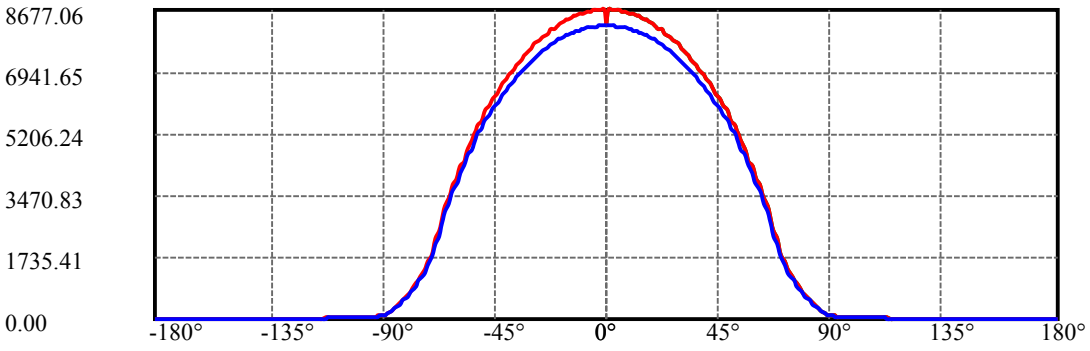
Zone	Lumens	%Fixt
0-30	6550.74	27.34%
0-40	10848.98	45.29%
0-60	19560.60	81.65%
0-90	23770.50	99.22%
0-120	23901.78	99.77%
0-180	23956.90	100.00%
60-90	4575.64	19.10%
90-120	141.38	0.59%
90-130	158.52	0.66%
90-150	183.51	0.77%
90-180	196.47	0.82%
0-58.92	19165.52	80.00%

ZONAL LUMEN SUMMARY

0-10	786.40
10-20	2271.43
20-30	3492.91
30-40	4298.24
40-50	4577.32
50-60	4134.30
60-70	2769.90
70-80	1130.83
80-90	309.17
90-100	68.19
100-110	39.12
110-120	23.97
120-130	17.14
130-140	14.08
140-150	10.91
150-160	7.12
160-170	4.37
170-180	1.46

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:77.6 Right:77.6
:C90/270Left:76.9 Right:76.9

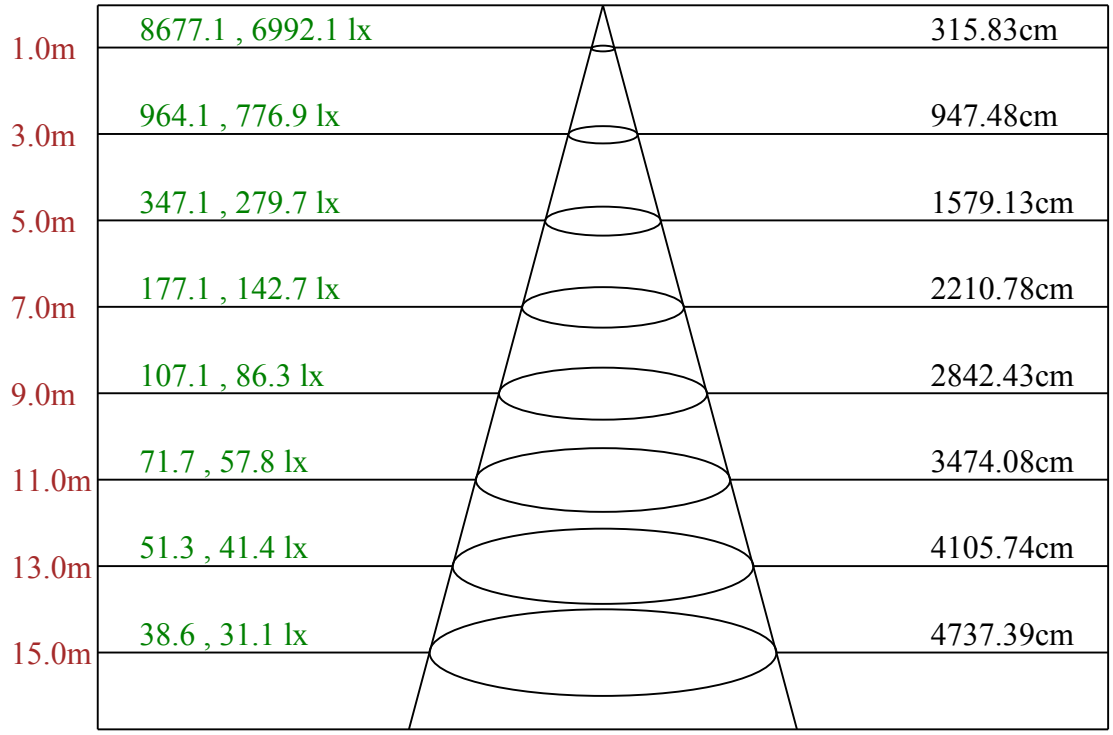
Beam Angle(50%Imax):C0/180Left:59.0 Right:59.0
:C90/270Left:58.0 Right:58.0

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

Lux distance Curve



Max , Ave

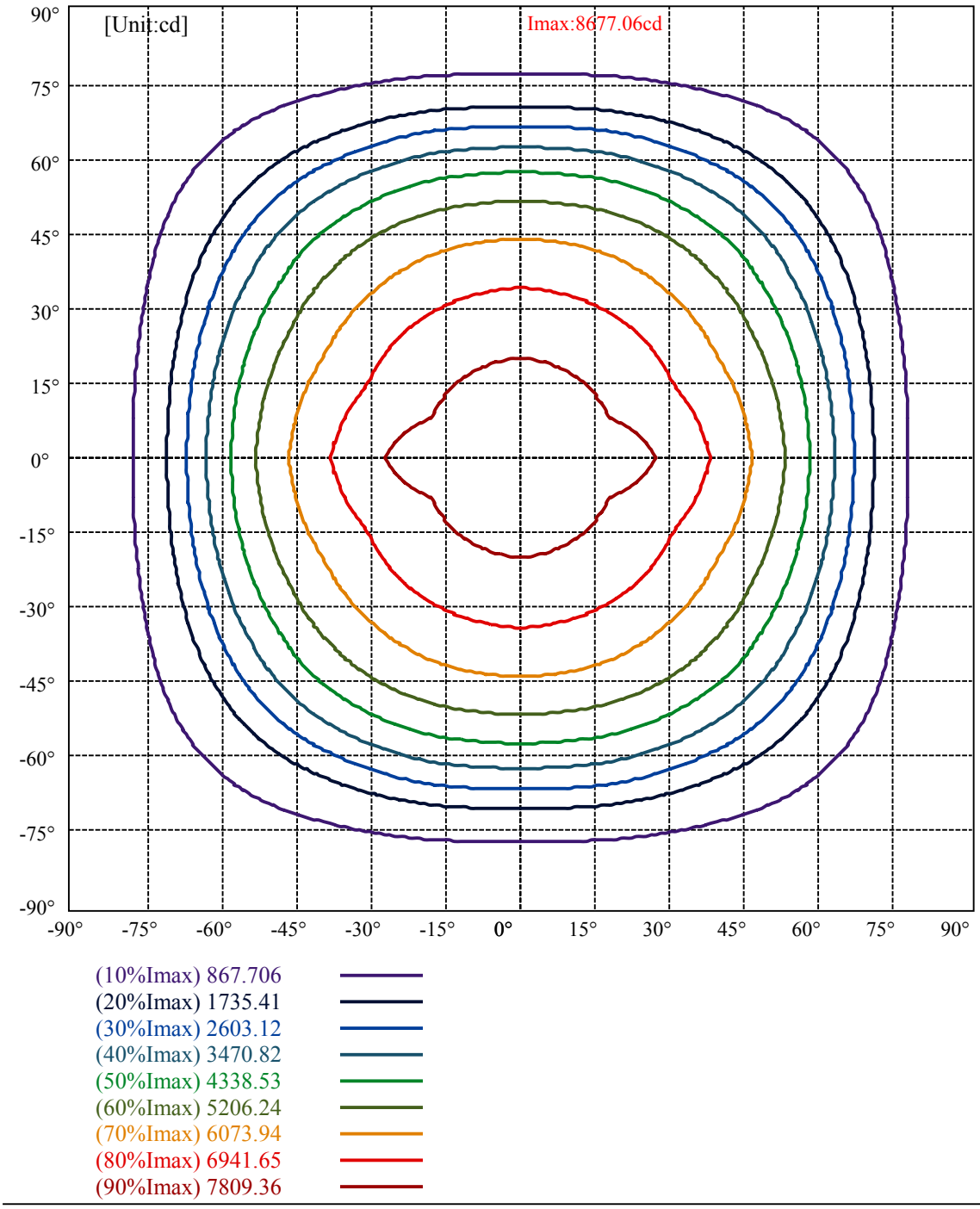
Beam angle of C0plane115.31

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

ISO-Intensity(V-H)

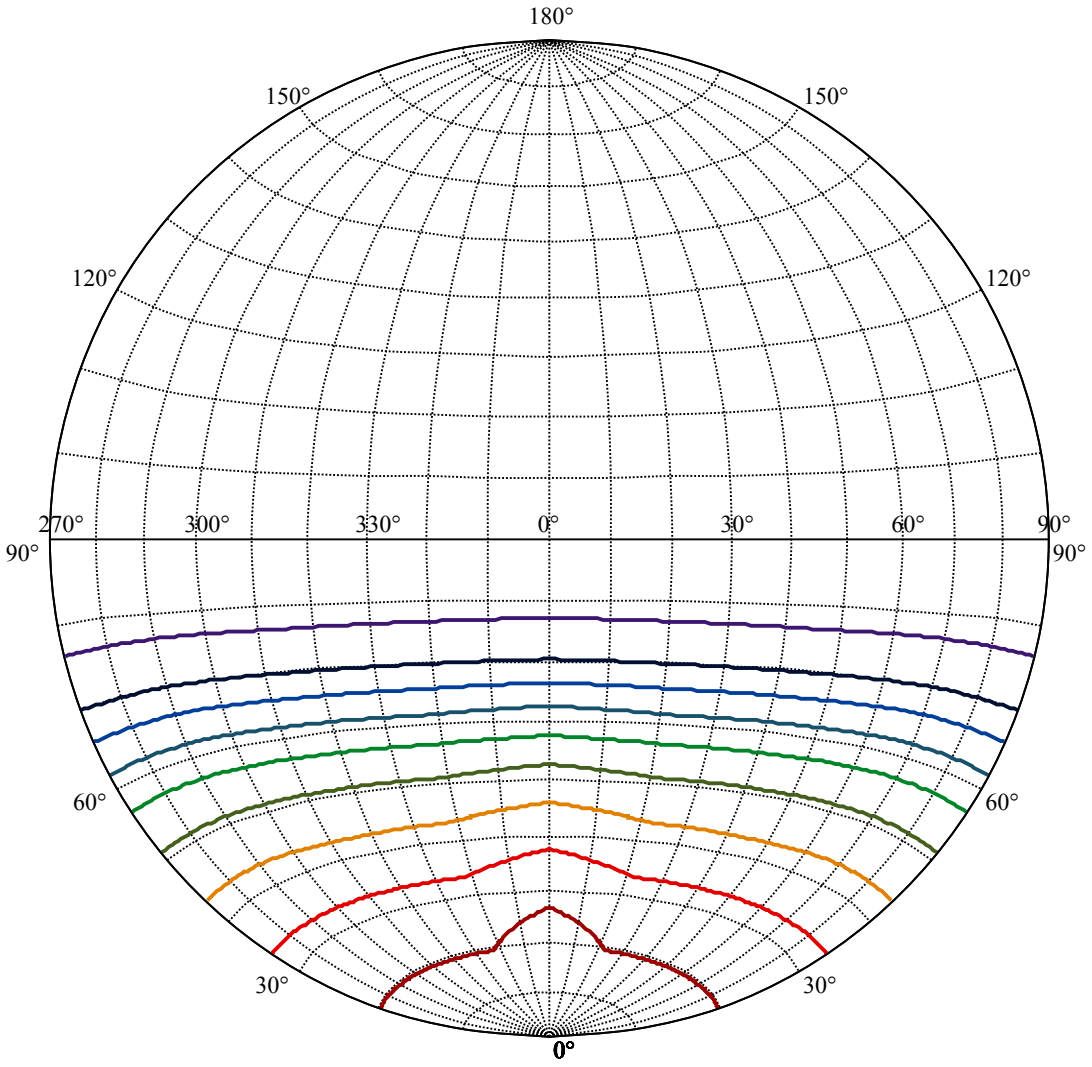


Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

ISO candela diagram on circular web



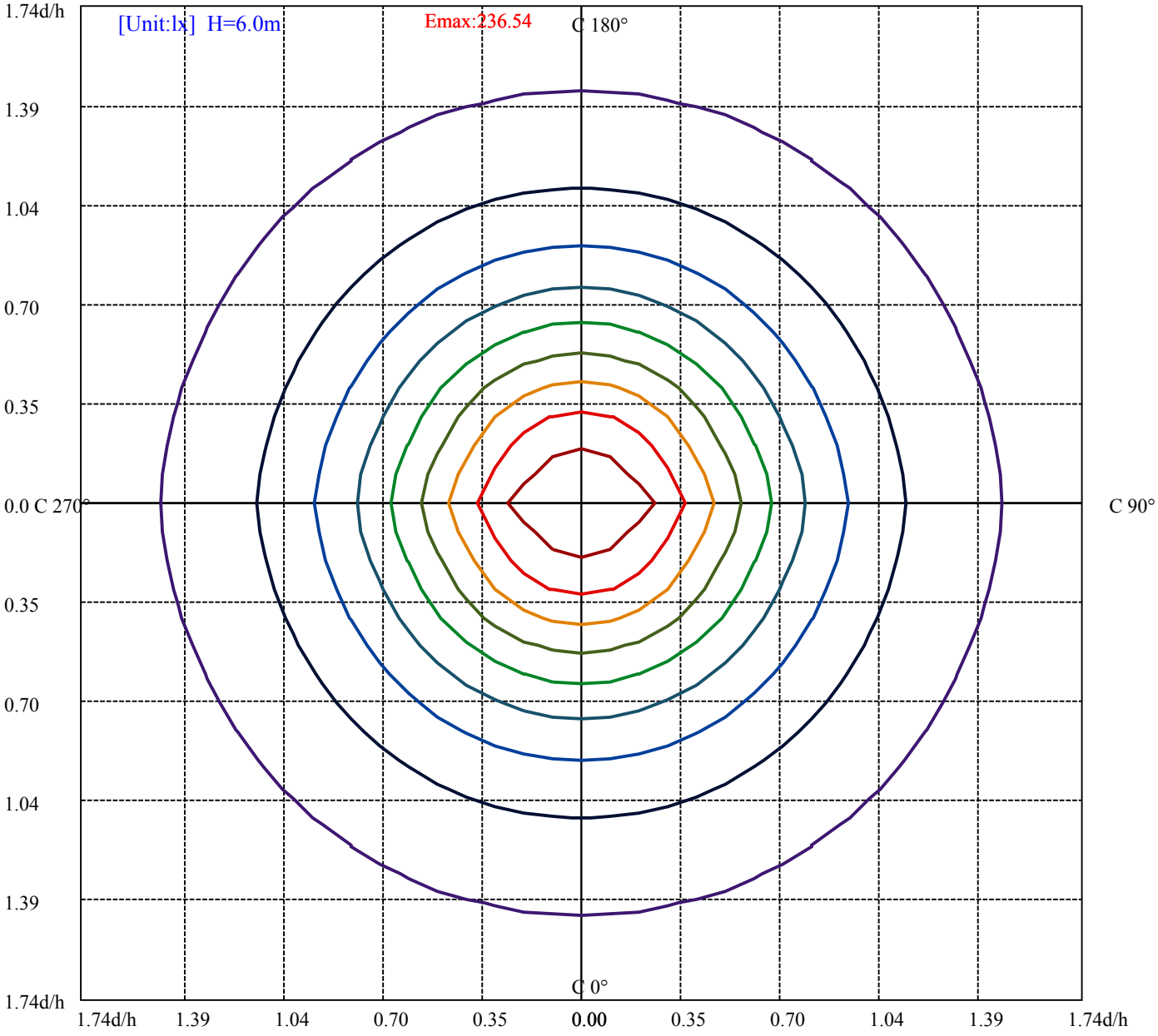
House [Unit:cd] Road

Imax:8677.06

(10%Imax) 867.706
(20%Imax) 1735.41
(30%Imax) 2603.12
(40%Imax) 3470.82
(50%Imax) 4338.53
(60%Imax) 5206.24
(70%Imax) 6073.94
(80%Imax) 6941.65
(90%Imax) 7809.36

Shenzhen Tianya lighting Co., LTD

ISO illuminance diagram

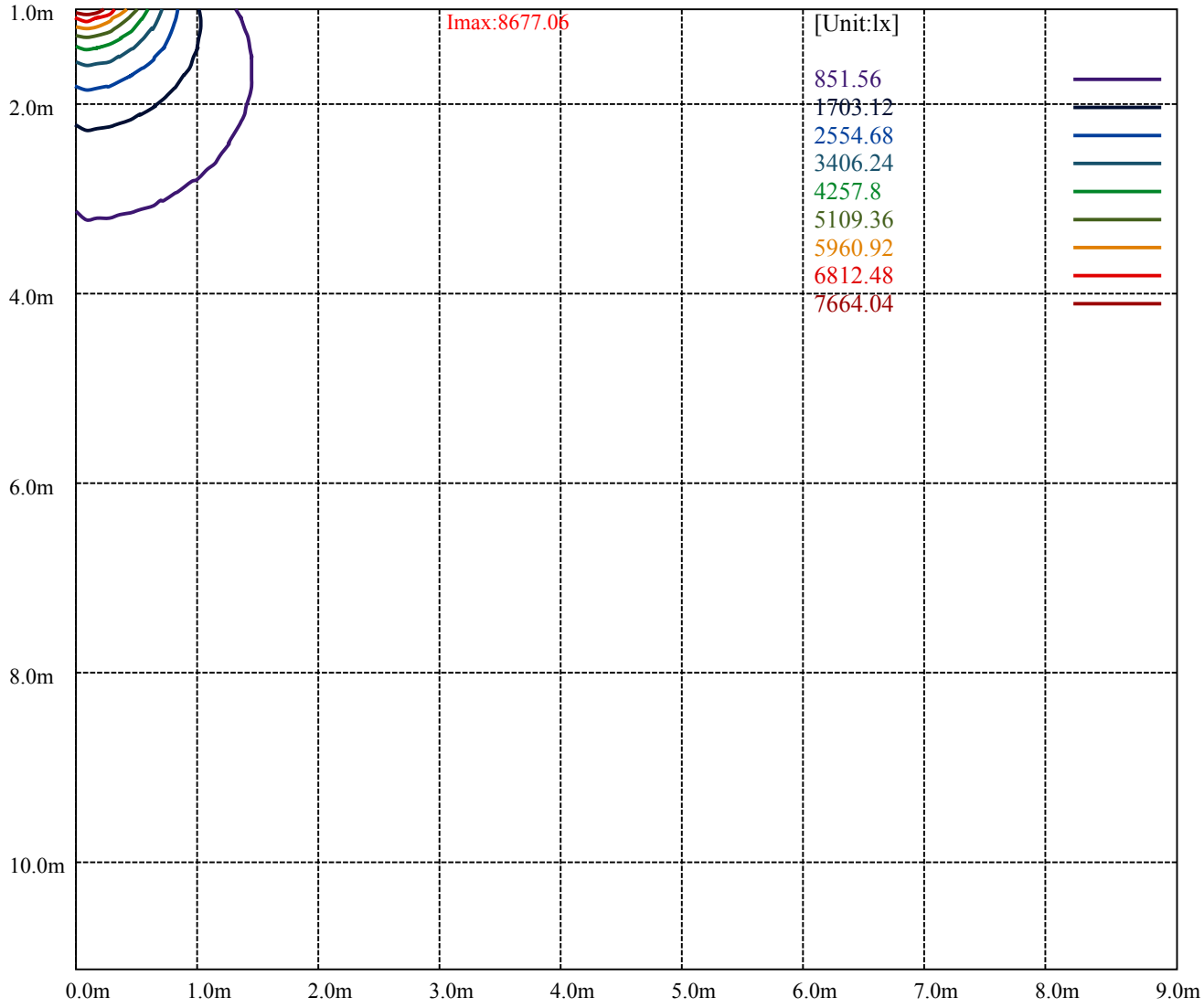


Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

Space ISO Lux diagram



Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

Shenzhen Tianya lighting Co., LTD

Luminance Limitting Curve(no luminous side)

Luminance Table

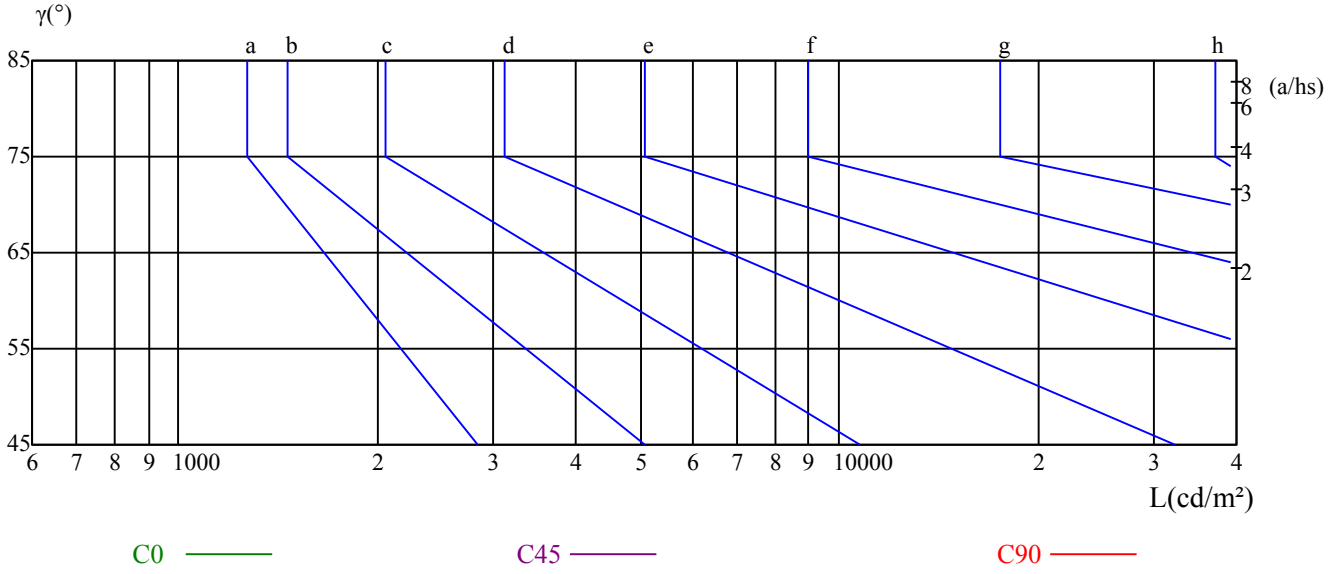
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve

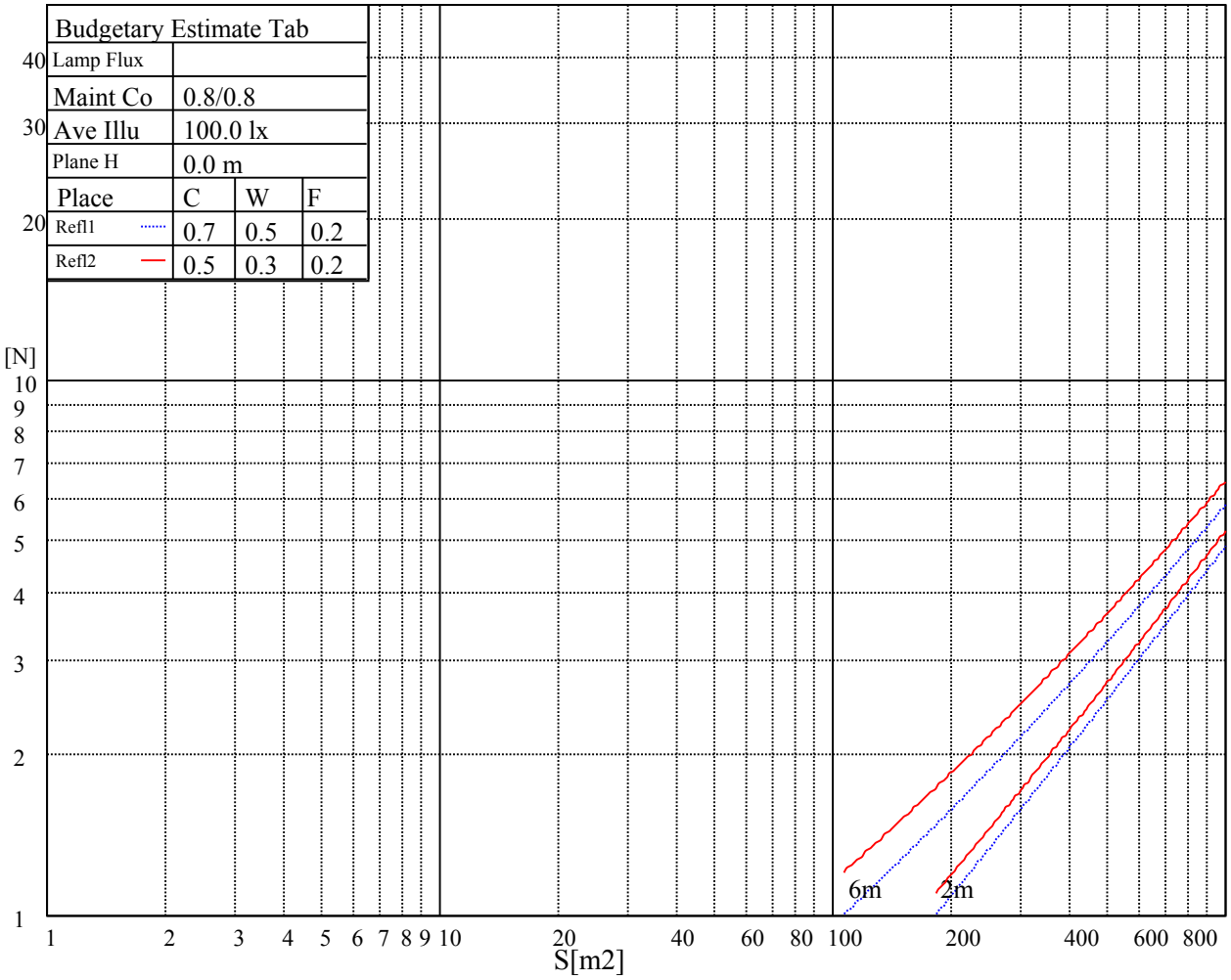


Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

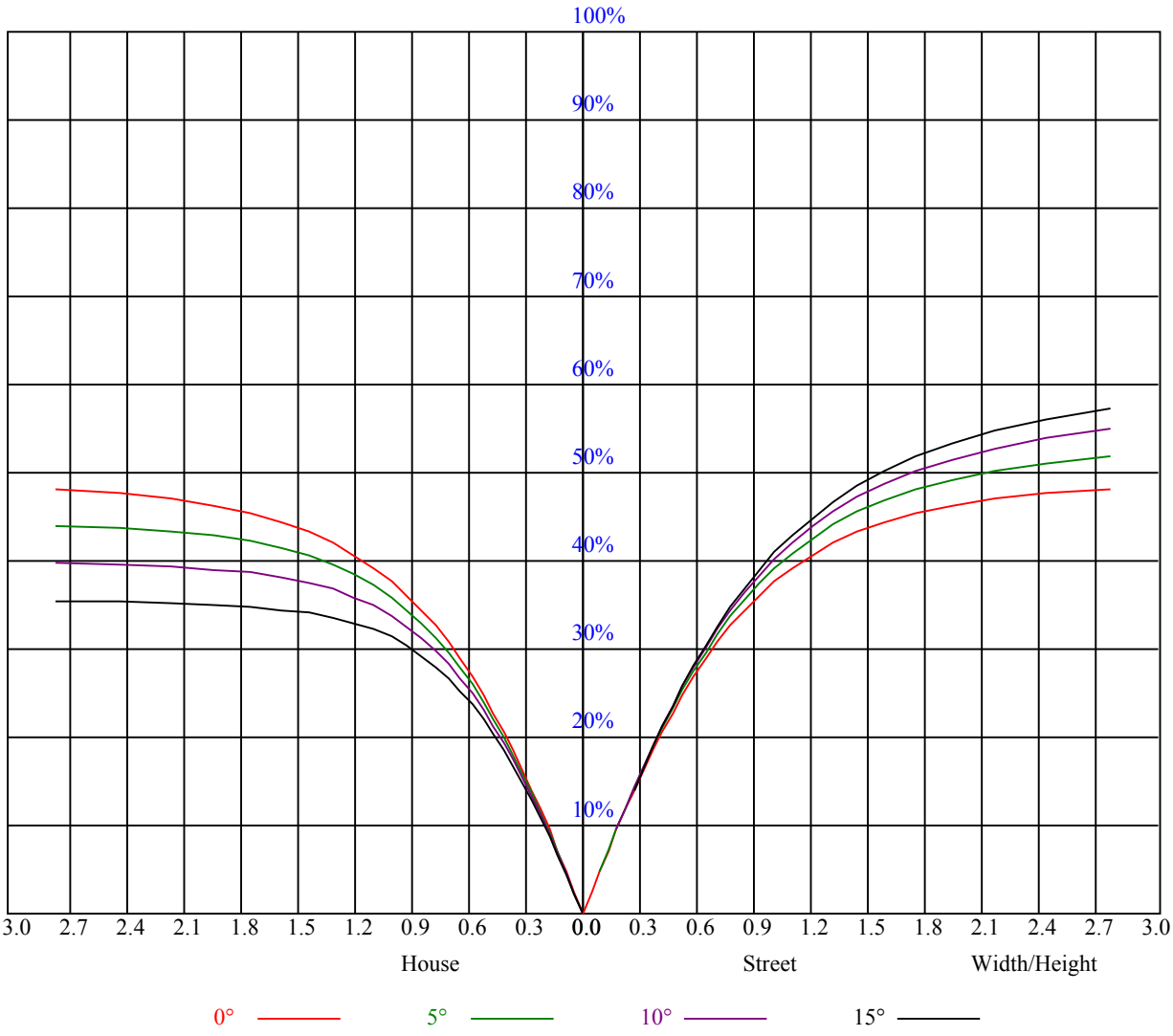
Budgetary Estimate Table



Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.05	1.01	0.97	1.02	0.99	0.95	0.98	0.95	0.92	0.94	0.91	0.89	0.90	0.88	0.86	0.84
2	0.92	0.85	0.79	0.90	0.84	0.78	0.86	0.81	0.76	0.83	0.78	0.75	0.79	0.76	0.73	0.71
3	0.81	0.73	0.66	0.79	0.72	0.66	0.76	0.69	0.64	0.73	0.68	0.63	0.70	0.66	0.62	0.60
4	0.71	0.63	0.56	0.70	0.62	0.56	0.67	0.60	0.55	0.65	0.59	0.54	0.63	0.57	0.53	0.51
5	0.64	0.55	0.48	0.63	0.54	0.48	0.60	0.53	0.47	0.58	0.52	0.47	0.56	0.51	0.46	0.44
6	0.57	0.48	0.42	0.56	0.48	0.42	0.54	0.47	0.41	0.53	0.46	0.41	0.51	0.45	0.41	0.38
7	0.52	0.43	0.37	0.51	0.43	0.37	0.49	0.42	0.37	0.48	0.41	0.36	0.46	0.40	0.36	0.34
8	0.47	0.39	0.33	0.47	0.38	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.43	0.35	0.30	0.43	0.35	0.29	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.40	0.32	0.27	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.26	0.36	0.30	0.26	0.24

Coefficient Utilization Curve



Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	8237.51	8677.06	8673.00	8669.95	8663.66	8652.48	8640.09	8626.89	8610.44
22.5	8237.51	8235.48	8233.45	8229.39	8222.89	8213.34	8201.15	8184.70	8169.06
45.0	8237.51	8236.50	8233.04	8228.98	8223.29	8214.15	8199.53	8184.29	8167.64
67.5	8237.51	8236.50	8234.87	8226.75	8219.64	8210.50	8197.90	8184.09	8167.84
90.0	8237.51	8233.45	8230.40	8227.36	8217.00	8206.84	8196.69	8184.50	8169.06
112.5	8237.51	8236.50	8234.87	8226.75	8219.64	8210.50	8197.90	8184.09	8167.84
135.0	8237.51	8236.50	8233.04	8228.98	8223.29	8214.15	8199.53	8184.29	8167.64
157.5	8237.51	8235.48	8233.45	8229.39	8222.89	8213.34	8201.15	8184.70	8169.06
180.0	8237.51	8677.06	8673.00	8669.95	8663.66	8652.48	8640.09	8626.89	8610.44
202.5	8237.51	8235.48	8233.45	8229.39	8222.89	8213.34	8201.15	8184.70	8169.06
225.0	8237.51	8236.50	8233.04	8228.98	8223.29	8214.15	8199.53	8184.29	8167.64
247.5	8237.51	8236.50	8234.87	8226.75	8219.64	8210.50	8197.90	8184.09	8167.84
270.0	8237.51	8233.45	8230.40	8227.36	8217.00	8206.84	8196.69	8184.50	8169.06
292.5	8237.51	8236.50	8234.87	8226.75	8219.64	8210.50	8197.90	8184.09	8167.84
315.0	8237.51	8236.50	8233.04	8228.98	8223.29	8214.15	8199.53	8184.29	8167.64
337.5	8237.51	8235.48	8233.45	8229.39	8222.89	8213.34	8201.15	8184.70	8169.06
360.0	8237.51	8677.06	8673.00	8669.95	8663.66	8652.48	8640.09	8626.89	8610.44

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8589.92	8566.36	8544.83	8521.27	8494.66	8458.91	8427.02	8384.98	8346.18
22.5	8156.67	8128.23	8105.08	8078.88	8047.60	8017.74	7980.97	7947.66	7912.32
45.0	8150.58	8122.95	8099.80	8071.36	8044.55	8011.03	7981.18	7944.00	7907.65
67.5	8148.75	8132.30	8109.34	8083.95	8056.94	8026.47	7992.35	7957.21	7921.66
90.0	8151.80	8132.30	8100.61	8075.22	8055.72	8029.31	7997.63	7958.83	7926.13
112.5	8111.78	8132.30	8109.34	8083.95	8056.94	8026.47	7992.35	7957.21	7921.66
135.0	8122.75	8122.95	8099.80	8071.36	8044.55	8011.03	7981.18	7944.00	7907.65
157.5	8137.98	8128.23	8105.08	8078.88	8047.60	8017.74	7980.97	7947.66	7912.32
180.0	8589.92	8566.36	8544.83	8521.27	8494.66	8458.91	8427.02	8384.98	8346.18
202.5	8156.67	8128.23	8105.08	8078.88	8047.60	8017.74	7980.97	7947.66	7912.32
225.0	8150.58	8122.95	8099.80	8071.36	8044.55	8011.03	7981.18	7944.00	7907.65
247.5	8148.75	8132.30	8109.34	8083.95	8056.94	8026.47	7992.35	7957.21	7921.66
270.0	8151.80	8132.30	8100.61	8075.22	8055.72	8029.31	7997.63	7958.83	7926.13
292.5	8198.92	8132.30	8109.34	8083.95	8056.94	8026.47	7992.35	7957.21	7921.66
315.0	8161.14	8122.95	8099.80	8071.36	8044.55	8011.03	7981.18	7944.00	7907.65
337.5	8149.97	8128.23	8105.08	8078.88	8047.60	8017.74	7980.97	7947.66	7912.32
360.0	8589.92	8566.36	8544.83	8521.27	8494.66	8458.91	8427.02	8384.98	8346.18

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	8308.20	8263.10	8217.00	8161.75	8111.58	8057.14	8000.88	7937.30	7880.02
22.5	7875.55	7825.59	7778.26	7733.78	7683.40	7629.98	7579.40	7514.41	7455.91
45.0	7868.04	7825.59	7778.87	7731.74	7684.01	7635.47	7579.20	7517.66	7460.38
67.5	7879.01	7830.05	7786.38	7738.45	7688.07	7636.28	7578.19	7520.91	7463.83
90.0	7887.33	7851.58	7796.34	7752.46	7714.68	7654.56	7594.23	7539.19	7481.91
112.5	7879.01	7830.05	7786.38	7738.45	7688.07	7636.28	7578.19	7520.91	7463.83
135.0	7868.04	7825.59	7778.87	7731.74	7684.01	7635.47	7579.20	7517.66	7460.38
157.5	7875.55	7825.59	7778.26	7733.78	7683.40	7629.98	7579.40	7514.41	7455.91
180.0	8308.20	8263.10	8217.00	8161.75	8111.58	8057.14	8000.88	7937.30	7880.02
202.5	7875.55	7825.59	7778.26	7733.78	7683.40	7629.98	7579.40	7514.41	7455.91
225.0	7868.04	7825.59	7778.87	7731.74	7684.01	7635.47	7579.20	7517.66	7460.38
247.5	7879.01	7830.05	7786.38	7738.45	7688.07	7636.28	7578.19	7520.91	7463.83
270.0	7887.33	7851.58	7796.34	7752.46	7714.68	7654.56	7594.23	7539.19	7481.91
292.5	7879.01	7830.05	7786.38	7738.45	7688.07	7636.28	7578.19	7520.91	7463.83
315.0	7868.04	7825.59	7778.87	7731.74	7684.01	7635.47	7579.20	7517.66	7460.38
337.5	7875.55	7825.59	7778.26	7733.78	7683.40	7629.98	7579.40	7514.41	7455.91
360.0	8308.20	8263.10	8217.00	8161.75	8111.58	8057.14	8000.88	7937.30	7880.02

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	7811.37	7748.81	7681.17	7593.01	7519.28	7439.46	7360.44	7273.30	7190.43
22.5	7396.80	7335.86	7269.24	7202.82	7121.98	7052.51	6979.80	6896.72	6821.57
45.0	7399.03	7333.22	7257.66	7193.68	7125.23	7054.75	6978.78	6894.08	6813.44
67.5	7399.85	7336.68	7257.26	7191.24	7125.03	7051.70	6979.59	6899.16	6820.35
90.0	7424.83	7352.32	7281.83	7215.41	7149.20	7082.78	7000.11	6925.56	6850.00
112.5	7399.85	7336.68	7257.26	7191.24	7125.03	7051.70	6979.59	6899.16	6820.35
135.0	7399.03	7333.22	7257.66	7193.68	7125.23	7054.75	6978.78	6894.08	6813.44
157.5	7396.80	7335.86	7269.24	7202.82	7121.98	7052.51	6979.80	6896.72	6821.57
180.0	7811.37	7748.81	7681.17	7593.01	7519.28	7439.46	7360.44	7273.30	7190.43
202.5	7396.80	7335.86	7269.24	7202.82	7121.98	7052.51	6979.80	6896.72	6821.57
225.0	7399.03	7333.22	7257.66	7193.68	7125.23	7054.75	6978.78	6894.08	6813.44
247.5	7399.85	7336.68	7257.26	7191.24	7125.03	7051.70	6979.59	6899.16	6820.35
270.0	7424.83	7352.32	7281.83	7215.41	7149.20	7082.78	7000.11	6925.56	6850.00
292.5	7399.85	7336.68	7257.26	7191.24	7125.03	7051.70	6979.59	6899.16	6820.35
315.0	7399.03	7333.22	7257.66	7193.68	7125.23	7054.75	6978.78	6894.08	6813.44
337.5	7396.80	7335.86	7269.24	7202.82	7121.98	7052.51	6979.80	6896.72	6821.57
360.0	7811.37	7748.81	7681.17	7593.01	7519.28	7439.46	7360.44	7273.30	7190.43

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	7103.29	7018.19	6922.92	6833.96	6728.33	6634.09	6519.32	6428.12	6319.45
22.5	6738.29	6651.15	6568.48	6479.72	6386.69	6289.39	6199.21	6098.46	5992.03
45.0	6730.37	6647.70	6557.92	6455.14	6368.41	6281.27	6189.46	6078.56	5981.06
67.5	6735.85	6664.15	6575.18	6489.06	6394.61	6296.30	6206.72	6115.32	6020.06
90.0	6769.36	6677.35	6580.46	6496.78	6410.86	6322.10	6215.86	6115.93	6018.84
112.5	6735.85	6664.15	6575.18	6489.06	6394.61	6296.30	6206.72	6115.32	6020.06
135.0	6730.37	6647.70	6557.92	6455.14	6368.41	6281.27	6189.46	6078.56	5981.06
157.5	6738.29	6651.15	6568.48	6479.72	6386.69	6289.39	6199.21	6098.46	5992.03
180.0	7103.29	7018.19	6922.92	6833.96	6728.33	6634.09	6519.32	6428.12	6319.45
202.5	6738.29	6651.15	6568.48	6479.72	6386.69	6289.39	6199.21	6098.46	5992.03
225.0	6730.37	6647.70	6557.92	6455.14	6368.41	6281.27	6189.46	6078.56	5981.06
247.5	6735.85	6664.15	6575.18	6489.06	6394.61	6296.30	6206.72	6115.32	6020.06
270.0	6769.36	6677.35	6580.46	6496.78	6410.86	6322.10	6215.86	6115.93	6018.84
292.5	6735.85	6664.15	6575.18	6489.06	6394.61	6296.30	6206.72	6115.32	6020.06
315.0	6730.37	6647.70	6557.92	6455.14	6368.41	6281.27	6189.46	6078.56	5981.06
337.5	6738.29	6651.15	6568.48	6479.72	6386.69	6289.39	6199.21	6098.46	5992.03
360.0	7103.29	7018.19	6922.92	6833.96	6728.33	6634.09	6519.32	6428.12	6319.45

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	6206.72	6091.15	5980.45	5863.65	5733.45	5575.63	5442.59	5306.29	5161.67
22.5	5890.67	5778.55	5674.75	5567.30	5454.37	5312.39	5197.83	5056.86	4917.52
45.0	5893.31	5791.95	5677.39	5557.76	5447.26	5332.70	5211.03	5052.40	4919.96
67.5	5911.79	5800.89	5700.14	5596.76	5484.43	5351.18	5231.55	5096.67	4953.27
90.0	5922.97	5804.55	5693.24	5583.96	5470.62	5341.84	5206.16	5075.35	4928.49
112.5	5911.79	5800.89	5700.14	5596.76	5484.43	5351.18	5231.55	5096.67	4953.27
135.0	5893.31	5791.95	5677.39	5557.76	5447.26	5332.70	5211.03	5052.40	4919.96
157.5	5890.67	5778.55	5674.75	5567.30	5454.37	5312.39	5197.83	5056.86	4917.52
180.0	6206.72	6091.15	5980.45	5863.65	5733.45	5575.63	5442.59	5306.29	5161.67
202.5	5890.67	5778.55	5674.75	5567.30	5454.37	5312.39	5197.83	5056.86	4917.52
225.0	5893.31	5791.95	5677.39	5557.76	5447.26	5332.70	5211.03	5052.40	4919.96
247.5	5911.79	5800.89	5700.14	5596.76	5484.43	5351.18	5231.55	5096.67	4953.27
270.0	5922.97	5804.55	5693.24	5583.96	5470.62	5341.84	5206.16	5075.35	4928.49
292.5	5911.79	5800.89	5700.14	5596.76	5484.43	5351.18	5231.55	5096.67	4953.27
315.0	5893.31	5791.95	5677.39	5557.76	5447.26	5332.70	5211.03	5052.40	4919.96
337.5	5890.67	5778.55	5674.75	5567.30	5454.37	5312.39	5197.83	5056.86	4917.52
360.0	6206.72	6091.15	5980.45	5863.65	5733.45	5575.63	5442.59	5306.29	5161.67

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4985.57	4816.57	4658.75	4432.27	4289.28	4127.19	3954.94	3776.60	3569.83
22.5	4746.90	4593.95	4442.22	4277.90	4091.03	3904.36	3752.84	3568.61	3394.53
45.0	4779.61	4624.22	4461.93	4301.06	4142.01	3914.72	3764.82	3592.98	3414.85
67.5	4816.98	4653.06	4504.99	4343.30	4173.50	3941.53	3822.51	3648.03	3475.17
90.0	4761.93	4617.11	4464.97	4308.57	4109.51	3898.27	3750.60	3611.26	3425.61
112.5	4816.98	4653.06	4504.99	4343.30	4173.50	3941.53	3822.51	3648.03	3475.17
135.0	4779.61	4624.22	4461.93	4301.06	4142.01	3914.72	3764.82	3592.98	3414.85
157.5	4746.90	4593.95	4442.22	4277.90	4091.03	3904.36	3752.84	3568.61	3394.53
180.0	4985.57	4816.57	4658.75	4432.27	4289.28	4127.19	3954.94	3776.60	3569.83
202.5	4746.90	4593.95	4442.22	4277.90	4091.03	3904.36	3752.84	3568.61	3394.53
225.0	4779.61	4624.22	4461.93	4301.06	4142.01	3914.72	3764.82	3592.98	3414.85
247.5	4816.98	4653.06	4504.99	4343.30	4173.50	3941.53	3822.51	3648.03	3475.17
270.0	4761.93	4617.11	4464.97	4308.57	4109.51	3898.27	3750.60	3611.26	3425.61
292.5	4816.98	4653.06	4504.99	4343.30	4173.50	3941.53	3822.51	3648.03	3475.17
315.0	4779.61	4624.22	4461.93	4301.06	4142.01	3914.72	3764.82	3592.98	3414.85
337.5	4746.90	4593.95	4442.22	4277.90	4091.03	3904.36	3752.84	3568.61	3394.53
360.0	4985.57	4816.57	4658.75	4432.27	4289.28	4127.19	3954.94	3776.60	3569.83

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3382.55	3189.38	2946.66	2694.58	2468.92	2261.33	2007.84	1797.81	1627.39
22.5	3216.60	3013.68	2786.39	2568.45	2353.34	2136.01	1900.79	1711.28	1527.26
45.0	3214.77	3012.87	2800.00	2557.28	2333.84	2111.83	1892.06	1690.77	1501.26
67.5	3288.91	3092.50	2868.86	2648.88	2420.17	2199.18	1958.28	1742.36	1569.91
90.0	3211.32	3022.01	2823.97	2595.26	2334.45	2119.35	1912.57	1704.78	1523.19
112.5	3288.91	3092.50	2868.86	2648.88	2420.17	2199.18	1958.28	1742.36	1569.91
135.0	3214.77	3012.87	2800.00	2557.28	2333.84	2111.83	1892.06	1690.77	1501.26
157.5	3216.60	3013.68	2786.39	2568.45	2353.34	2136.01	1900.79	1711.28	1527.26
180.0	3382.55	3189.38	2946.66	2694.58	2468.92	2261.33	2007.84	1797.81	1627.39
202.5	3216.60	3013.68	2786.39	2568.45	2353.34	2136.01	1900.79	1711.28	1527.26
225.0	3214.77	3012.87	2800.00	2557.28	2333.84	2111.83	1892.06	1690.77	1501.26
247.5	3288.91	3092.50	2868.86	2648.88	2420.17	2199.18	1958.28	1742.36	1569.91
270.0	3211.32	3022.01	2823.97	2595.26	2334.45	2119.35	1912.57	1704.78	1523.19
292.5	3288.91	3092.50	2868.86	2648.88	2420.17	2199.18	1958.28	1742.36	1569.91
315.0	3214.77	3012.87	2800.00	2557.28	2333.84	2111.83	1892.06	1690.77	1501.26
337.5	3216.60	3013.68	2786.39	2568.45	2353.34	2136.01	1900.79	1711.28	1527.26
360.0	3382.55	3189.38	2946.66	2694.58	2468.92	2261.33	2007.84	1797.81	1627.39

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1477.69	1344.85	1183.58	1074.71	1024.33	884.99	778.15	701.57	631.50
22.5	1380.81	1255.89	1134.83	1035.50	962.79	832.18	746.26	662.78	589.66
45.0	1356.23	1232.33	1116.14	1012.75	912.21	811.67	725.95	647.75	584.58
67.5	1412.29	1272.54	1154.13	1087.30	924.19	836.24	747.89	672.33	598.39
90.0	1358.87	1230.50	1124.67	1068.82	905.71	818.37	732.25	659.53	579.91
112.5	1412.29	1272.54	1154.13	1087.30	924.19	836.24	747.89	672.33	598.39
135.0	1356.23	1232.33	1116.14	1012.75	912.21	811.67	725.95	647.75	584.58
157.5	1380.81	1255.89	1134.83	1035.50	962.79	832.18	746.26	662.78	589.66
180.0	1477.69	1344.85	1183.58	1074.71	1024.33	884.99	778.15	701.57	631.50
202.5	1380.81	1255.89	1134.83	1035.50	962.79	832.18	746.26	662.78	589.66
225.0	1356.23	1232.33	1116.14	1012.75	912.21	811.67	725.95	647.75	584.58
247.5	1412.29	1272.54	1154.13	1087.30	924.19	836.24	747.89	672.33	598.39
270.0	1358.87	1230.50	1124.67	1068.82	905.71	818.37	732.25	659.53	579.91
292.5	1412.29	1272.54	1154.13	1087.30	924.19	836.24	747.89	672.33	598.39
315.0	1356.23	1232.33	1116.14	1012.75	912.21	811.67	725.95	647.75	584.58
337.5	1380.81	1255.89	1134.83	1035.50	962.79	832.18	746.26	662.78	589.66
360.0	1477.69	1344.85	1183.58	1074.71	1024.33	884.99	778.15	701.57	631.50

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	557.36	483.02	415.99	349.37	276.24	194.79	138.53	112.93	100.34
22.5	511.86	447.68	383.90	317.27	248.01	185.25	131.01	105.01	93.23
45.0	516.53	444.22	378.41	320.32	256.74	196.82	144.82	110.50	93.84
67.5	524.45	453.36	389.18	321.34	258.16	206.78	167.37	135.89	106.64
90.0	514.30	440.57	383.49	312.40	242.93	196.01	163.92	127.97	94.45
112.5	524.45	453.36	389.18	321.34	258.16	206.78	167.37	135.89	106.64
135.0	516.53	444.22	378.41	320.32	256.74	196.82	144.82	110.50	93.84
157.5	511.86	447.68	383.90	317.27	248.01	185.25	131.01	105.01	93.23
180.0	557.36	483.02	415.99	349.37	276.24	194.79	138.53	112.93	100.34
202.5	511.86	447.68	383.90	317.27	248.01	185.25	131.01	105.01	93.23
225.0	516.53	444.22	378.41	320.32	256.74	196.82	144.82	110.50	93.84
247.5	524.45	453.36	389.18	321.34	258.16	206.78	167.37	135.89	106.64
270.0	514.30	440.57	383.49	312.40	242.93	196.01	163.92	127.97	94.45
292.5	524.45	453.36	389.18	321.34	258.16	206.78	167.37	135.89	106.64
315.0	516.53	444.22	378.41	320.32	256.74	196.82	144.82	110.50	93.84
337.5	511.86	447.68	383.90	317.27	248.01	185.25	131.01	105.01	93.23
360.0	557.36	483.02	415.99	349.37	276.24	194.79	138.53	112.93	100.34

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	92.22	86.33	79.83	74.54	69.26	65.20	61.14	57.69	54.23
22.5	86.12	79.62	74.34	69.06	64.59	60.12	56.87	53.62	50.98
45.0	84.90	78.20	73.33	68.25	63.37	59.11	56.26	53.22	50.17
67.5	86.33	78.61	73.12	68.65	63.78	60.12	56.67	53.62	50.58
90.0	84.70	77.59	71.70	67.03	63.17	59.51	56.26	53.01	50.58
112.5	86.33	78.61	73.12	68.65	63.78	60.12	56.67	53.62	50.58
135.0	84.90	78.20	73.33	68.25	63.37	59.11	56.26	53.22	50.17
157.5	86.12	79.62	74.34	69.06	64.59	60.12	56.87	53.62	50.98
180.0	92.22	86.33	79.83	74.54	69.26	65.20	61.14	57.69	54.23
202.5	86.12	79.62	74.34	69.06	64.59	60.12	56.87	53.62	50.98
225.0	84.90	78.20	73.33	68.25	63.37	59.11	56.26	53.22	50.17
247.5	86.33	78.61	73.12	68.65	63.78	60.12	56.67	53.62	50.58
270.0	84.70	77.59	71.70	67.03	63.17	59.51	56.26	53.01	50.58
292.5	86.33	78.61	73.12	68.65	63.78	60.12	56.67	53.62	50.58
315.0	84.90	78.20	73.33	68.25	63.37	59.11	56.26	53.22	50.17
337.5	86.12	79.62	74.34	69.06	64.59	60.12	56.87	53.62	50.98
360.0	92.22	86.33	79.83	74.54	69.26	65.20	61.14	57.69	54.23

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	51.59	49.15	46.31	44.08	42.05	40.42	38.59	36.76	34.94
22.5	48.14	45.70	43.67	41.84	39.81	37.98	36.36	34.73	33.31
45.0	47.53	45.30	43.26	41.03	39.41	37.58	35.95	34.53	32.91
67.5	47.94	45.70	43.67	41.84	39.81	37.98	36.36	35.14	33.51
90.0	48.14	45.50	43.67	41.44	39.61	37.98	36.16	34.73	33.11
112.5	47.94	45.70	43.67	41.84	39.81	37.98	36.36	35.14	33.51
135.0	47.53	45.30	43.26	41.03	39.41	37.58	35.95	34.53	32.91
157.5	48.14	45.70	43.67	41.84	39.81	37.98	36.36	34.73	33.31
180.0	51.59	49.15	46.31	44.08	42.05	40.42	38.59	36.76	34.94
202.5	48.14	45.70	43.67	41.84	39.81	37.98	36.36	34.73	33.31
225.0	47.53	45.30	43.26	41.03	39.41	37.58	35.95	34.53	32.91
247.5	47.94	45.70	43.67	41.84	39.81	37.98	36.36	35.14	33.51
270.0	48.14	45.50	43.67	41.44	39.61	37.98	36.16	34.73	33.11
292.5	47.94	45.70	43.67	41.84	39.81	37.98	36.36	35.14	33.51
315.0	47.53	45.30	43.26	41.03	39.41	37.58	35.95	34.53	32.91
337.5	48.14	45.70	43.67	41.84	39.81	37.98	36.36	34.73	33.31
360.0	51.59	49.15	46.31	44.08	42.05	40.42	38.59	36.76	34.94

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	33.51	32.09	30.26	29.25	28.03	26.81	25.80	24.78	24.17
22.5	31.89	30.47	29.05	27.62	26.61	25.59	24.37	23.56	22.75
45.0	31.48	30.06	28.84	27.42	26.41	25.39	24.37	23.36	22.55
67.5	32.09	30.67	29.25	27.83	26.81	25.59	24.58	23.56	22.75
90.0	31.69	30.47	29.05	27.83	26.41	25.39	24.37	23.36	22.55
112.5	32.09	30.67	29.25	27.83	26.81	25.59	24.58	23.56	22.75
135.0	31.48	30.06	28.84	27.42	26.41	25.39	24.37	23.36	22.55
157.5	31.89	30.47	29.05	27.62	26.61	25.59	24.37	23.56	22.75
180.0	33.51	32.09	30.26	29.25	28.03	26.81	25.80	24.78	24.17
202.5	31.89	30.47	29.05	27.62	26.61	25.59	24.37	23.56	22.75
225.0	31.48	30.06	28.84	27.42	26.41	25.39	24.37	23.36	22.55
247.5	32.09	30.67	29.25	27.83	26.81	25.59	24.58	23.56	22.75
270.0	31.69	30.47	29.05	27.83	26.41	25.39	24.37	23.36	22.55
292.5	32.09	30.67	29.25	27.83	26.81	25.59	24.58	23.56	22.75
315.0	31.48	30.06	28.84	27.42	26.41	25.39	24.37	23.36	22.55
337.5	31.89	30.47	29.05	27.62	26.61	25.59	24.37	23.56	22.75
360.0	33.51	32.09	30.26	29.25	28.03	26.81	25.80	24.78	24.17

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	23.36	22.75	21.94	21.53	21.12	20.72	20.52	20.11	19.91
22.5	21.94	21.33	20.72	20.31	19.91	19.70	19.30	19.09	18.89
45.0	21.94	21.33	20.72	20.31	19.70	19.30	19.09	18.89	18.69
67.5	22.14	21.33	20.92	20.31	19.91	19.50	19.30	19.09	18.89
90.0	22.14	21.53	20.92	20.11	19.91	19.70	19.30	19.09	18.69
112.5	22.14	21.33	20.92	20.31	19.91	19.50	19.30	19.09	18.89
135.0	21.94	21.33	20.72	20.31	19.70	19.30	19.09	18.89	18.69
157.5	21.94	21.33	20.72	20.31	19.91	19.70	19.30	19.09	18.89
180.0	23.36	22.75	21.94	21.53	21.12	20.72	20.52	20.11	19.91
202.5	21.94	21.33	20.72	20.31	19.91	19.70	19.30	19.09	18.89
225.0	21.94	21.33	20.72	20.31	19.70	19.30	19.09	18.89	18.69
247.5	22.14	21.33	20.92	20.31	19.91	19.50	19.30	19.09	18.89
270.0	22.14	21.53	20.92	20.11	19.91	19.70	19.30	19.09	18.69
292.5	22.14	21.33	20.92	20.31	19.91	19.50	19.30	19.09	18.89
315.0	21.94	21.33	20.72	20.31	19.70	19.30	19.09	18.89	18.69
337.5	21.94	21.33	20.72	20.31	19.91	19.70	19.30	19.09	18.89
360.0	23.36	22.75	21.94	21.53	21.12	20.72	20.52	20.11	19.91

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	19.70	19.70	19.50	19.50	19.50	19.50	19.30	19.30	19.09
22.5	18.69	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08
45.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
67.5	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
90.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
112.5	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
135.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
157.5	18.69	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08
180.0	19.70	19.70	19.50	19.50	19.50	19.50	19.30	19.30	19.09
202.5	18.69	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08
225.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
247.5	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
270.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
292.5	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
315.0	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08	18.08
337.5	18.69	18.48	18.48	18.28	18.28	18.28	18.28	18.08	18.08
360.0	19.70	19.70	19.50	19.50	19.50	19.50	19.30	19.30	19.09

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	19.09	19.09	19.09	19.09	18.89	18.89	18.89	18.89	18.69
22.5	18.08	18.08	17.87	17.87	17.87	17.67	17.67	17.67	17.67
45.0	18.08	18.08	17.87	17.87	17.87	17.87	17.87	17.67	17.67
67.5	18.08	18.08	18.08	18.08	17.87	17.87	17.67	17.67	17.67
90.0	17.87	17.87	17.87	17.67	17.67	17.67	17.67	17.67	17.47
112.5	18.08	18.08	18.08	18.08	17.87	17.87	17.67	17.67	17.67
135.0	18.08	18.08	17.87	17.87	17.87	17.87	17.87	17.67	17.67
157.5	18.08	18.08	17.87	17.87	17.87	17.67	17.67	17.67	17.67
180.0	19.09	19.09	19.09	19.09	18.89	18.89	18.89	18.89	18.69
202.5	18.08	18.08	17.87	17.87	17.87	17.67	17.67	17.67	17.67
225.0	18.08	18.08	17.87	17.87	17.87	17.87	17.87	17.67	17.67
247.5	18.08	18.08	18.08	18.08	17.87	17.87	17.67	17.67	17.67
270.0	17.87	17.87	17.87	17.67	17.67	17.67	17.67	17.67	17.47
292.5	18.08	18.08	18.08	18.08	17.87	17.87	17.67	17.67	17.67
315.0	18.08	18.08	17.87	17.87	17.87	17.87	17.87	17.67	17.67
337.5	18.08	18.08	17.87	17.87	17.87	17.67	17.67	17.67	17.67
360.0	19.09	19.09	19.09	19.09	18.89	18.89	18.89	18.89	18.69

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	18.69	18.48	18.08	17.87	17.67	17.27	16.86	16.45	16.25
22.5	17.47	17.27	17.27	17.06	16.86	16.45	15.84	15.44	15.03
45.0	17.67	17.47	17.27	17.06	16.66	16.25	15.84	15.44	15.03
67.5	17.27	17.47	17.06	17.06	16.66	16.25	15.84	15.64	15.23
90.0	17.47	17.27	17.06	16.86	16.66	16.25	15.84	15.64	15.44
112.5	17.27	17.47	17.06	17.06	16.66	16.25	15.84	15.64	15.23
135.0	17.67	17.47	17.27	17.06	16.66	16.25	15.84	15.44	15.03
157.5	17.47	17.27	17.27	17.06	16.86	16.45	15.84	15.44	15.03
180.0	18.69	18.48	18.08	17.87	17.67	17.27	16.86	16.45	16.25
202.5	17.47	17.27	17.27	17.06	16.86	16.45	15.84	15.44	15.03
225.0	17.67	17.47	17.27	17.06	16.66	16.25	15.84	15.44	15.03
247.5	17.27	17.47	17.06	17.06	16.66	16.25	15.84	15.64	15.23
270.0	17.47	17.27	17.06	16.86	16.66	16.25	15.84	15.64	15.44
292.5	17.27	17.47	17.06	17.06	16.66	16.25	15.84	15.64	15.23
315.0	17.67	17.47	17.27	17.06	16.66	16.25	15.84	15.44	15.03
337.5	17.47	17.27	17.27	17.06	16.86	16.45	15.84	15.44	15.03
360.0	18.69	18.48	18.08	17.87	17.67	17.27	16.86	16.45	16.25

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	15.84	16.05	16.25	16.05	16.25	16.25	16.25	16.25	16.45
22.5	15.03	15.03	15.03	15.23	15.23	15.23	15.23	15.23	15.23
45.0	15.03	15.03	15.23	15.23	15.23	15.23	15.44	15.44	15.44
67.5	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.44
90.0	15.23	15.03	15.23	15.23	15.23	15.23	15.44	15.23	15.44
112.5	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.44
135.0	15.03	15.03	15.23	15.23	15.23	15.23	15.44	15.44	15.44
157.5	15.03	15.03	15.03	15.23	15.23	15.23	15.23	15.23	15.23
180.0	15.84	16.05	16.25	16.05	16.25	16.25	16.25	16.25	16.45
202.5	15.03	15.03	15.03	15.23	15.23	15.23	15.23	15.23	15.23
225.0	15.03	15.03	15.23	15.23	15.23	15.23	15.44	15.44	15.44
247.5	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.44
270.0	15.23	15.03	15.23	15.23	15.23	15.23	15.44	15.23	15.44
292.5	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.44
315.0	15.03	15.03	15.23	15.23	15.23	15.23	15.44	15.44	15.44
337.5	15.03	15.03	15.03	15.23	15.23	15.23	15.23	15.23	15.23
360.0	15.84	16.05	16.25	16.05	16.25	16.25	16.25	16.25	16.45

Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	16.25	16.25	16.25	16.25	16.45	16.25	16.45	16.25	16.45
22.5	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.23	15.23
45.0	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23
67.5	15.44	15.44	15.23	15.23	15.23	15.44	15.44	15.23	15.23
90.0	15.44	15.44	15.23	15.44	15.44	15.44	15.44	15.23	15.23
112.5	15.44	15.44	15.23	15.23	15.23	15.44	15.44	15.23	15.23
135.0	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23
157.5	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.23	15.23
180.0	16.25	16.25	16.25	16.25	16.45	16.25	16.45	16.25	16.45
202.5	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.23	15.23
225.0	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23
247.5	15.44	15.44	15.23	15.23	15.23	15.44	15.44	15.23	15.23
270.0	15.44	15.44	15.23	15.44	15.44	15.44	15.44	15.23	15.23
292.5	15.44	15.44	15.23	15.23	15.23	15.44	15.44	15.23	15.23
315.0	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23	15.23
337.5	15.23	15.23	15.23	15.23	15.23	15.23	15.44	15.23	15.23
360.0	16.25	16.25	16.25	16.25	16.45	16.25	16.45	16.25	16.45

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	16.25	16.25	16.25	16.45	16.45	16.66	16.66	16.86	17.06
22.5	15.23	15.23	15.23	15.23	15.44	15.44	15.64	15.84	16.05
45.0	15.23	15.23	15.23	15.23	15.44	15.64	15.64	15.84	16.05
67.5	15.23	15.23	15.23	15.23	15.23	15.44	15.64	15.84	15.84
90.0	15.44	15.23	15.23	15.23	15.44	15.64	15.64	15.64	15.84
112.5	15.23	15.23	15.23	15.23	15.23	15.44	15.64	15.84	15.84
135.0	15.23	15.23	15.23	15.23	15.44	15.64	15.64	15.84	16.05
157.5	15.23	15.23	15.23	15.23	15.44	15.44	15.64	15.84	16.05
180.0	16.25	16.25	16.25	16.45	16.45	16.66	16.66	16.86	17.06
202.5	15.23	15.23	15.23	15.23	15.44	15.44	15.64	15.84	16.05
225.0	15.23	15.23	15.23	15.23	15.44	15.64	15.64	15.84	16.05
247.5	15.23	15.23	15.23	15.23	15.23	15.44	15.64	15.84	15.84
270.0	15.44	15.23	15.23	15.23	15.44	15.64	15.64	15.64	15.84
292.5	15.23	15.23	15.23	15.23	15.23	15.44	15.64	15.84	15.84
315.0	15.23	15.23	15.23	15.23	15.44	15.64	15.64	15.84	16.05
337.5	15.23	15.23	15.23	15.23	15.44	15.44	15.64	15.84	16.05
360.0	16.25	16.25	16.25	16.45	16.45	16.66	16.66	16.86	17.06

C/γ(°)	180.0
0.0	16.05
22.5	16.05
45.0	16.05
67.5	16.05
90.0	16.05
112.5	16.05
135.0	16.05
157.5	16.05
180.0	16.05
202.5	16.05
225.0	16.05
247.5	16.05
270.0	16.05
292.5	16.05
315.0	16.05
337.5	16.05
360.0	16.05