Shenzhen Anbotek Pengcheng 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

LumCAT: TY-BUR-40
Luminaire:
Report No:
Test No:
LampCAT:
Lamp flux(lm)
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 220.0600
Current(A): 0.1930
Power (W): 41.2500
PF: 0.9738
Ballast type:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 4282.34
Lumens(lm)/Power(W): 103.81
Central intensity(cd): 989.594
Maximum intensity(cd): 1006.588
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=129.4
[C90/270]Total=128.0
Field angle(10%Imax): [C0/180]Total=259.9
[C90/270]Total=258.9
Maximum s/h(1/2): C0_180=1.27 C90_270=1.25
Maximum s/h(1/4): C0_180=1.41 C90_270=1.40
Up flux rate of LUM(%): 18.07%
Down flux rate of LUM(%): 81.93%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 54.036%

Equipment:
Temperature(°C): 25.3
Date: 2018-12-10
Humidity(%): 57.0%
Operator: Dick
Distance(m): 14.40

TY-BUR-40

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	989.594	.000	.000	.000%	.000%
1.0	991.770	.948	.948	.022%	.022%
2.0	991.822	2.847	3.795	.066%	.089%
3.0	991.744	4.744	8.539	.111%	.199%
4.0	991.563	6.639	15.178	.155%	.354%
5.0	990.656	8.527	23.705	.199%	.554%
6.0	989.154	10.404	34.110	.243%	.797%
7.0	987.263	12.268	46.377	.286%	1.083%
8.0	984.776	14.114	60.491	.330%	1.413%
9.0	981.732	15.937	76.428	.372%	1.785%
10.0	978.377	17.738	94.167	.414%	2.199%
11.0	974.232	19.511	113.677	.456%	2.655%
12.0	970.113	21.254	134.932	.496%	3.151%
13.0	965.061	22.966	157.897	.536%	3.687%
14.0	959.570	24.635	182.532	.575%	4.262%
15.0	953.663	26.266	208.798	.613%	4.876%
16.0	947.653	27.860	236.658	.651%	5.526%
17.0	941.150	29.414	266.071	.687%	6.213%
18.0	934.441	30.924	296.996	.722%	6.935%
19.0	927.006	32.385	329.381	.756%	7.692%
20.0	919.727	33.800	363.182	.789%	8.481%
21.0	912.240	35.177	398.359	.821%	9.302%
22.0	904.442	36.507	434.866	.853%	10.155%
23.0	895.790	37.774	472.640	.882%	11.037%
24.0	887.060	38.979	511.619	.910%	11.947%
25.0	878.485	40.145	551.764	.937%	12.885%
26.0	869.832	41.269	593.033	.964%	13.848%
27.0	861.025	42.346	635.379	.989%	14.837%
28.0	851.880	43.367	678.746	1.013%	15.850%
29.0	842.191	44.322	723.068	1.035%	16.885%
30.0	832.969	45.229	768.297	1.056%	17.941%
31.0	823.643	46.101	814.398	1.077%	19.018%
32.0	814.291	46.925	861.323	1.096%	20.113%
33.0	804.395	47.687	909.010	1.114%	21.227%
34.0	794.654	48.392	957.402	1.130%	22.357%
35.0	784.862	49.054	1006.456	1.145%	23.502%
36.0	775.044	49.668	1056.123	1.160%	24.662%
37.0	765.407	50.241	1106.364	1.173%	25.836%

Equipment:
Date: 2018-12-10
Operator: Dick
Temperature(°C): 25.3
Humidity(%): 57.0%
Distance(m): 14.40

TY-BUR-40

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	754.915	50.746	1157.110	1.185%	27.021%
39.0	745.149	51.201	1208.312	1.196%	28.216%
40.0	735.408	51.637	1259.948	1.206%	29.422%
41.0	725.124	52.009	1311.957	1.214%	30.636%
42.0	715.331	52.334	1364.291	1.222%	31.859%
43.0	705.176	52.620	1416.911	1.229%	33.087%
44.0	695.099	52.850	1469.761	1.234%	34.321%
45.0	685.126	53.044	1522.805	1.239%	35.560%
46.0	675.411	53.208	1576.013	1.242%	36.803%
47.0	665.100	53.316	1629.328	1.245%	38.048%
48.0	655.230	53.375	1682.703	1.246%	39.294%
49.0	645.386	53.411	1736.114	1.247%	40.541%
50.0	635.594	53.408	1789.522	1.247%	41.788%
51.0	625.672	53.362	1842.884	1.246%	43.035%
52.0	615.310	53.251	1896.136	1.244%	44.278%
53.0	605.725	53.115	1949.251	1.240%	45.518%
54.0	595.907	52.963	2002.214	1.237%	46.755%
55.0	585.622	52.741	2054.955	1.232%	47.987%
56.0	575.571	52.471	2107.426	1.225%	49.212%
57.0	565.519	52.173	2159.599	1.218%	50.430%
58.0	555.468	51.838	2211.438	1.211%	51.641%
59.0	545.624	51.477	2262.914	1.202%	52.843%
60.0	535.495	51.076	2313.990	1.193%	54.036%
61.0	524.588	50.589	2364.580	1.181%	55.217%
62.0	514.615	50.075	2414.655	1.169%	56.386%
63.0	504.693	49.574	2464.229	1.158%	57.544%
64.0	494.331	49.022	2513.250	1.145%	58.689%
65.0	484.228	48.428	2561.678	1.131%	59.820%
66.0	473.244	47.772	2609.450	1.116%	60.935%
67.0	462.830	47.068	2656.519	1.099%	62.034%
68.0	452.700	46.378	2702.896	1.083%	63.117%
69.0	442.545	45.671	2748.567	1.067%	64.184%
70.0	431.510	44.890	2793.457	1.048%	65.232%
71.0	420.759	44.050	2837.507	1.029%	66.261%
72.0	410.811	43.239	2880.746	1.010%	67.270%
73.0	400.527	42.427	2923.173	.991%	68.261%
74.0	390.035	41.562	2964.735	.971%	69.232%
75.0	379.647	40.667	3005.402	.950%	70.181%

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

TY-BUR-40

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	369.414	39.763	3045.165	.929%	71.110%
77.0	359.751	38.876	3084.041	.908%	72.018%
78.0	349.622	37.973	3122.014	.887%	72.904%
79.0	340.063	37.057	3159.071	.865%	73.770%
80.0	330.374	36.145	3195.216	.844%	74.614%
81.0	320.970	35.224	3230.439	.823%	75.436%
82.0	312.396	34.346	3264.785	.802%	76.238%
83.0	303.640	33.489	3298.274	.782%	77.020%
84.0	294.132	32.565	3330.839	.760%	77.781%
85.0	286.102	31.668	3362.507	.740%	78.520%
86.0	278.252	30.848	3393.356	.720%	79.241%
87.0	270.506	30.033	3423.388	.701%	79.942%
88.0	262.294	29.186	3452.574	.682%	80.624%
89.0	255.326	28.372	3480.946	.663%	81.286%
90.0	248.461	27.622	3508.567	.645%	81.931%
91.0	241.414	26.859	3535.427	.627%	82.558%
92.0	234.886	26.107	3561.533	.610%	83.168%
93.0	228.980	25.410	3586.943	.593%	83.761%
94.0	223.332	24.754	3611.697	.578%	84.339%
95.0	217.659	24.105	3635.802	.563%	84.902%
96.0	212.374	23.470	3659.273	.548%	85.450%
97.0	207.504	22.874	3682.147	.534%	85.984%
98.0	202.711	22.300	3704.447	.521%	86.505%
99.0	198.256	21.744	3726.190	.508%	87.013%
100.0	193.774	21.200	3747.391	.495%	87.508%
101.0	189.810	20.680	3768.071	.483%	87.991%
102.0	185.950	20.190	3788.260	.471%	88.462%
103.0	182.142	19.704	3807.964	.460%	88.923%
104.0	178.541	19.230	3827.194	.449%	89.372%
105.0	174.837	18.759	3845.953	.438%	89.810%
106.0	171.521	18.300	3864.253	.427%	90.237%
107.0	168.076	17.853	3882.107	.417%	90.654%
108.0	164.604	17.397	3899.504	.406%	91.060%
109.0	161.237	16.943	3916.446	.396%	91.456%
110.0	158.154	16.508	3932.954	.385%	91.841%
111.0	154.916	16.079	3949.033	.375%	92.217%
112.0	151.807	15.648	3964.680	.365%	92.582%
113.0	148.620	15.219	3979.899	.355%	92.938%

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	145.512	14.790	3994.689	.345%	93.283%
115.0	142.325	14.361	4009.050	.335%	93.618%
116.0	139.346	13.940	4022.990	.326%	93.944%
117.0	136.238	13.523	4036.512	.316%	94.260%
118.0	133.258	13.107	4049.619	.306%	94.566%
119.0	130.228	12.696	4062.316	.296%	94.862%
120.0	127.326	12.291	4074.607	.287%	95.149%
121.0	124.295	11.887	4086.494	.278%	95.427%
122.0	121.264	11.480	4097.974	.268%	95.695%
123.0	118.492	11.087	4109.062	.259%	95.954%
124.0	115.591	10.703	4119.764	.250%	96.204%
125.0	112.689	10.315	4130.080	.241%	96.444%
126.0	109.633	9.924	4140.004	.232%	96.676%
127.0	106.705	9.535	4149.539	.223%	96.899%
128.0	103.778	9.156	4158.695	.214%	97.113%
129.0	100.643	8.772	4167.467	.205%	97.318%
130.0	97.638	8.389	4175.856	.196%	97.513%
131.0	94.452	8.009	4183.865	.187%	97.700%
132.0	91.188	7.623	4191.488	.178%	97.878%
133.0	87.898	7.240	4198.728	.169%	98.048%
134.0	84.685	6.864	4205.592	.160%	98.208%
135.0	81.266	6.490	4212.083	.152%	98.359%
136.0	78.002	6.121	4218.203	.143%	98.502%
137.0	74.815	5.768	4223.971	.135%	98.637%
138.0	71.681	5.427	4229.397	.127%	98.764%
139.0	68.443	5.091	4234.488	.119%	98.883%
140.0	65.127	4.756	4239.245	.111%	98.994%
141.0	62.070	4.436	4243.681	.104%	99.097%
142.0	58.780	4.125	4247.806	.096%	99.194%
143.0	55.542	3.816	4251.622	.089%	99.283%
144.0	52.459	3.522	4255.144	.082%	99.365%
145.0	49.350	3.242	4258.386	.076%	99.441%
146.0	46.345	2.972	4261.358	.069%	99.510%
147.0	43.314	2.713	4264.071	.063%	99.573%
148.0	40.335	2.464	4266.536	.058%	99.631%
149.0	37.434	2.228	4268.764	.052%	99.683%
150.0	34.532	2.003	4270.767	.047%	99.730%
151.0	31.838	1.792	4272.559	.042%	99.772%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	29.170	1.596	4274.155	.037%	99.809%
153.0	26.501	1.409	4275.564	.033%	99.842%
154.0	23.859	1.232	4276.796	.029%	99.871%
155.0	21.217	1.064	4277.860	.025%	99.895%
156.0	18.807	.910	4278.771	.021%	99.917%
157.0	16.321	.768	4279.539	.018%	99.935%
158.0	13.989	.636	4280.174	.015%	99.949%
159.0	11.709	.516	4280.691	.012%	99.962%
160.0	9.481	.407	4281.098	.010%	99.971%
161.0	7.539	.312	4281.409	.007%	99.978%
162.0	5.596	.229	4281.638	.005%	99.984%
163.0	4.041	.159	4281.796	.004%	99.987%
164.0	2.876	.108	4281.904	.003%	99.990%
165.0	2.072	.073	4281.977	.002%	99.992%
166.0	1.762	.053	4282.029	.001%	99.993%
167.0	1.658	.044	4282.073	.001%	99.994%
168.0	1.606	.039	4282.112	.001%	99.995%
169.0	1.658	.036	4282.147	.001%	99.996%
170.0	1.658	.033	4282.181	.001%	99.996%
171.0	1.658	.030	4282.210	.001%	99.997%
172.0	1.710	.027	4282.238	.001%	99.998%
173.0	1.710	.024	4282.262	.001%	99.998%
174.0	1.658	.021	4282.283	.000%	99.999%
175.0	1.658	.017	4282.301	.000%	99.999%
176.0	1.658	.014	4282.315	.000%	99.999%
177.0	1.606	.011	4282.326	.000%	100.000%
178.0	1.658	.008	4282.333	.000%	100.000%
179.0	1.606	.005	4282.338	.000%	100.000%
180.0	1.658	.002	4282.340	.000%	100.000%

Zonal flux distribution table

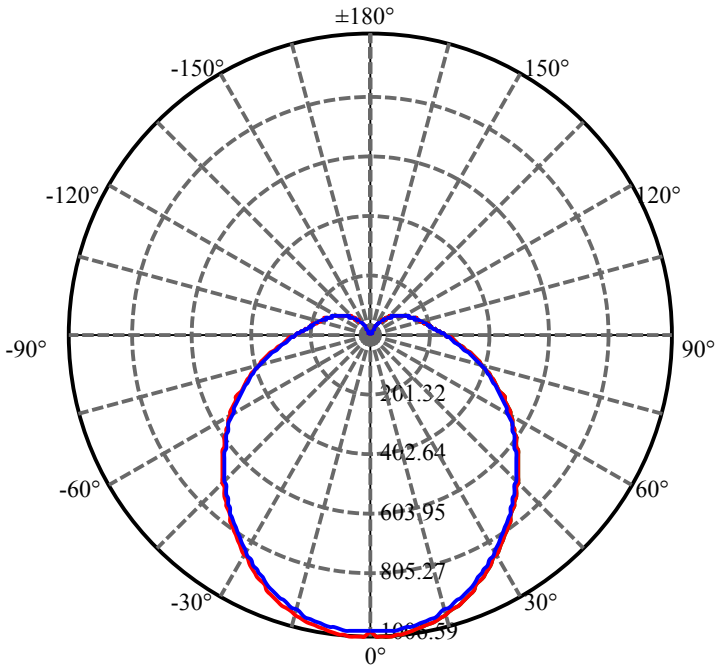
ZONAL LUMEN SUMMARY

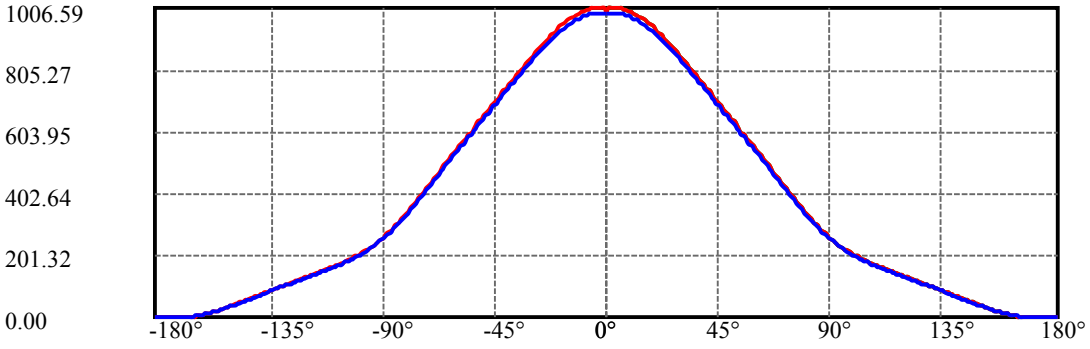
Zone	Lumens	%Fixt
0-30	768.30	17.94%
0-40	1259.95	29.42%
0-60	2313.99	54.04%
0-90	3508.57	81.93%
0-120	4074.61	95.15%
0-180	4282.34	100.00%
60-90	1245.65	29.09%
90-120	593.66	13.86%
90-130	694.91	16.23%
90-150	789.82	18.44%
90-180	801.39	18.71%
0-87.09	3425.87	80.00%

ZONAL LUMEN SUMMARY

0-10	94.17
10-20	269.02
20-30	405.12
30-40	491.65
40-50	529.57
50-60	524.47
60-70	479.47
70-80	401.76
80-90	313.35
90-100	238.82
100-110	185.56
110-120	141.65
120-130	101.25
130-140	63.39
140-150	31.52
150-160	10.33
160-170	1.08
170-180	0.16

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:130.0 Right:130.0
:C90/270Left:129.5 Right:129.5

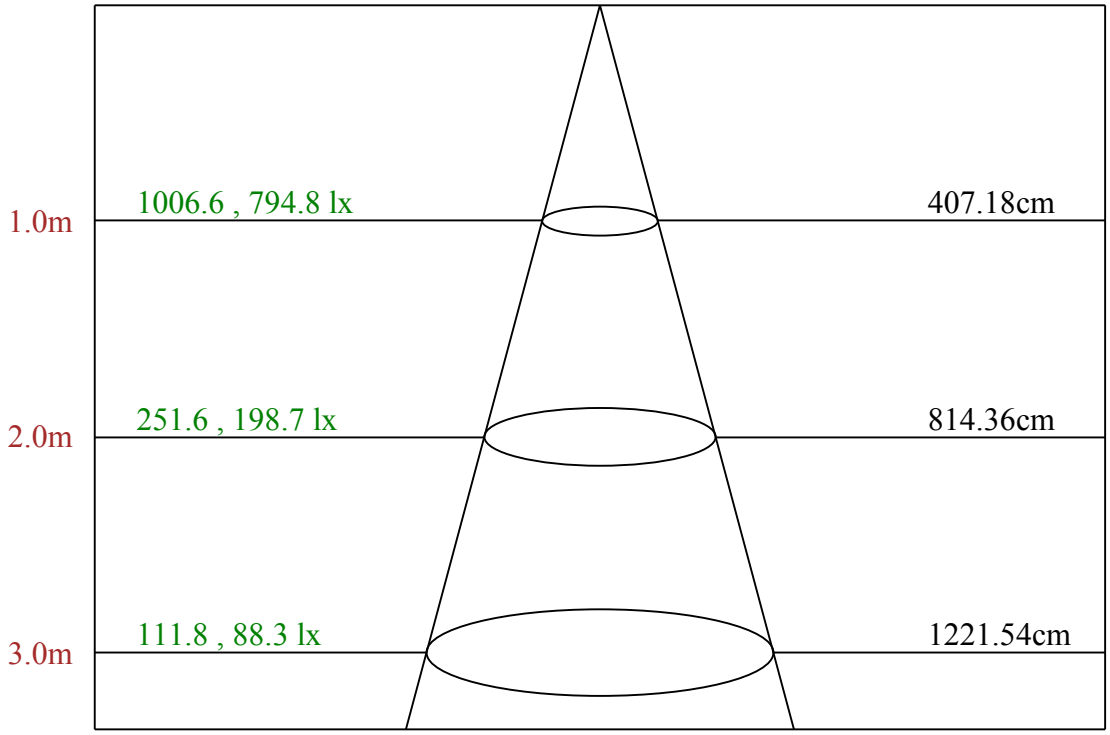
Beam Angle(50%Imax):C0/180Left:64.7 Right:64.7
:C90/270Left:64.0 Right:64.0

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

Lux distance Curve



Max , Ave

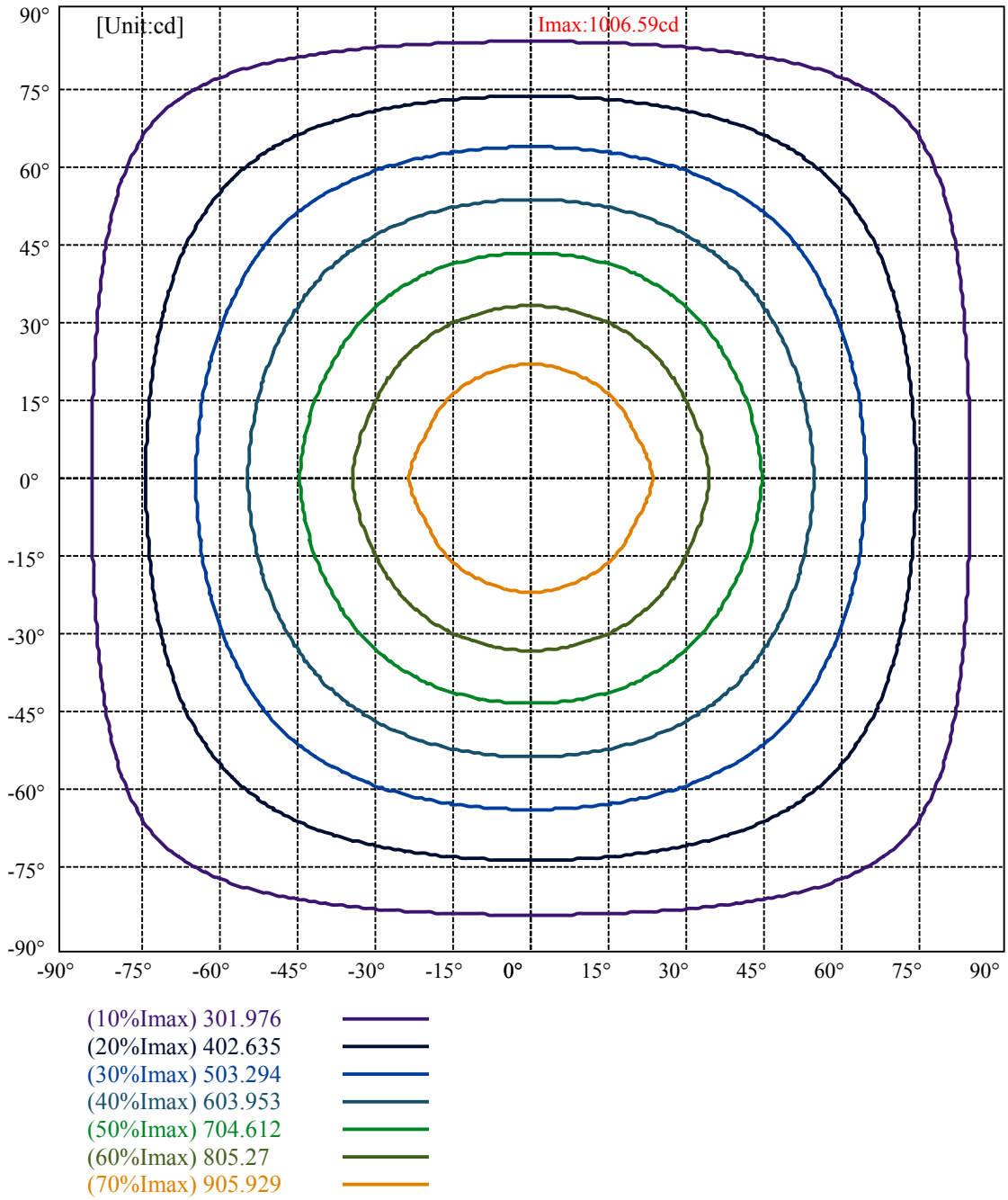
Beam angle of C0plane127.68

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

ISO-Intensity(V-H)



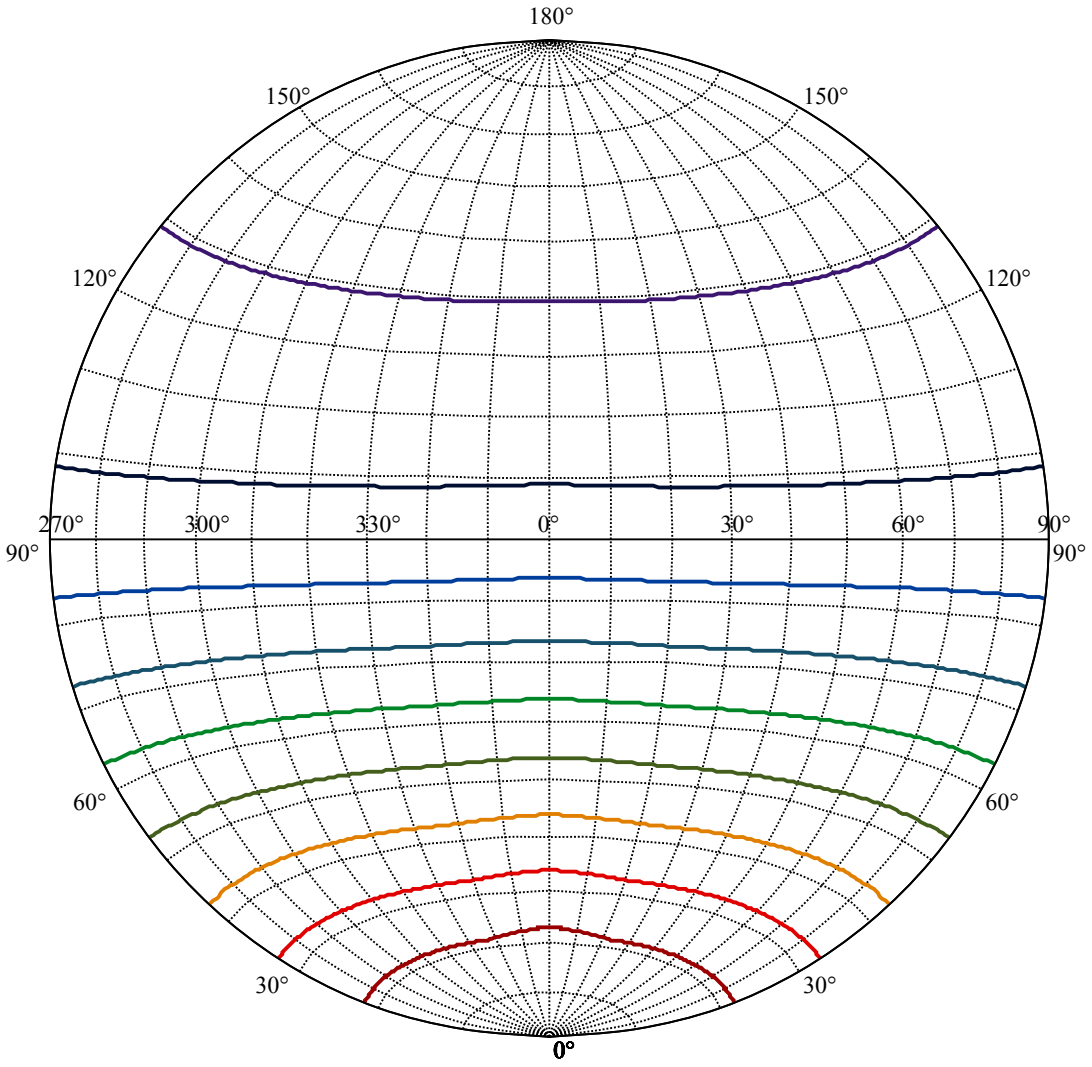
(10%Imax) 301.976
(20%Imax) 402.635
(30%Imax) 503.294
(40%Imax) 603.953
(50%Imax) 704.612
(60%Imax) 805.27
(70%Imax) 905.929

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1006.59

(10%Imax) 100.659
(20%Imax) 201.318
(30%Imax) 301.976
(40%Imax) 402.635
(50%Imax) 503.294
(60%Imax) 603.953
(70%Imax) 704.612
(80%Imax) 805.27
(90%Imax) 905.929

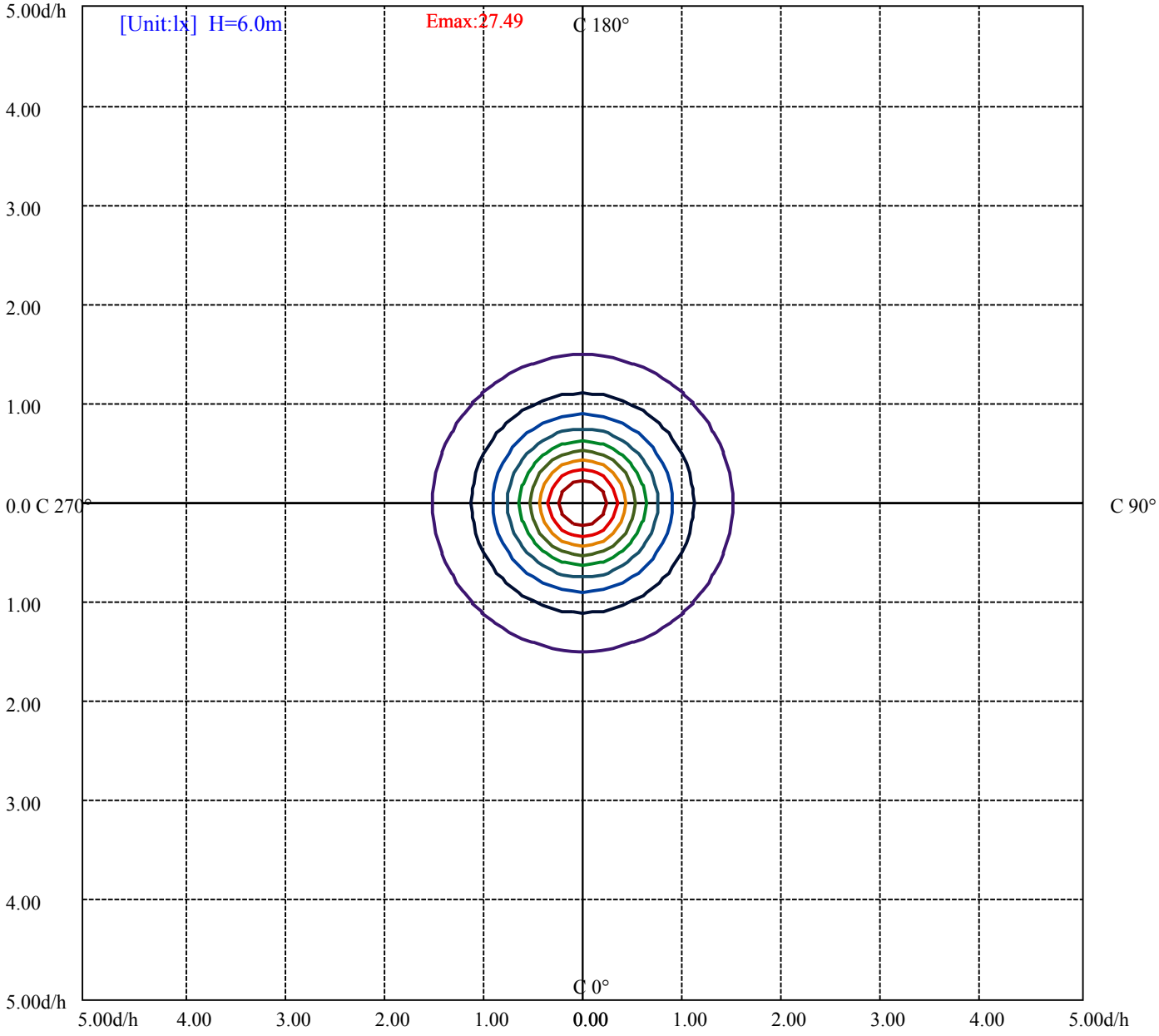
Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

TY-BUR-40

ISO illuminance diagram



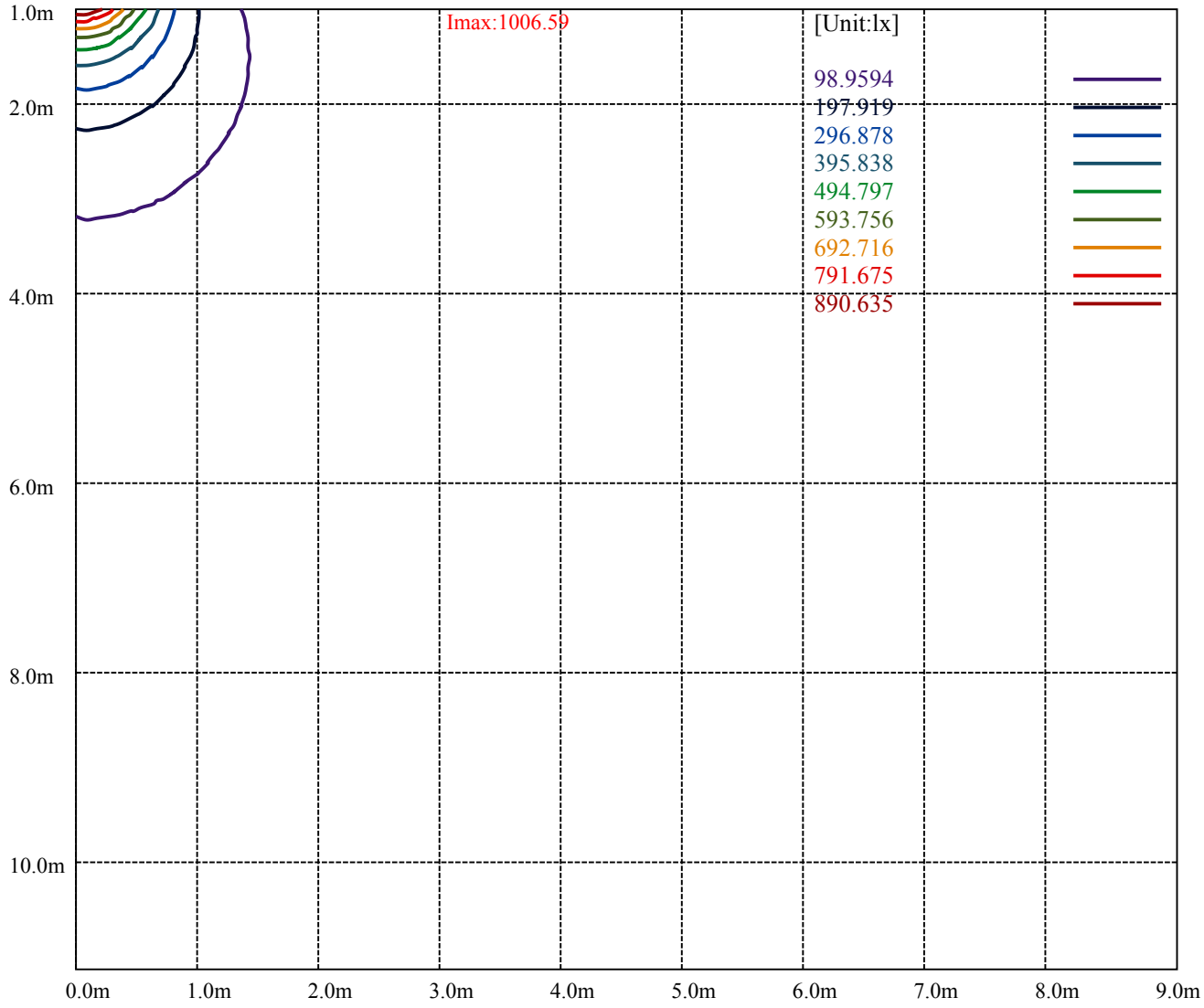
(10%Emax) 2.748872
(20%Emax) 5.49775
(30%Emax) 8.246611
(40%Emax) 10.9955
(50%Emax) 13.74436
(60%Emax) 16.49322
(70%Emax) 19.24211
(80%Emax) 21.99097
(90%Emax) 24.73986

Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

Space ISO Lux diagram



Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

TY-BUR-40

Luminance Limitting Curve(no luminous side)

Luminance Table

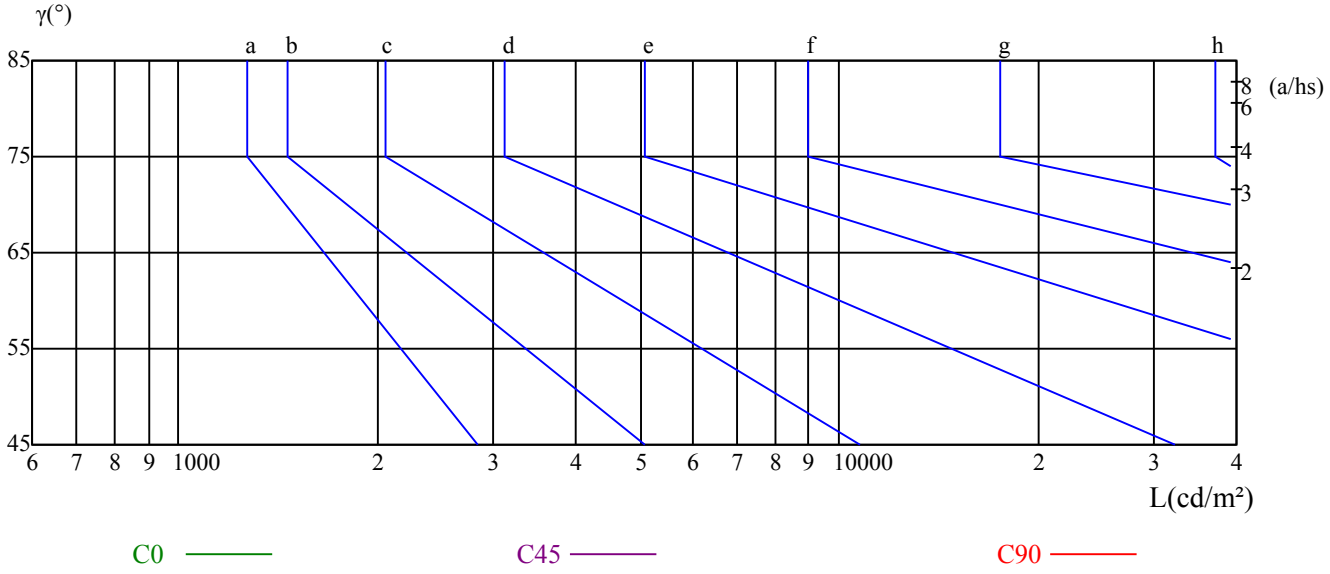
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

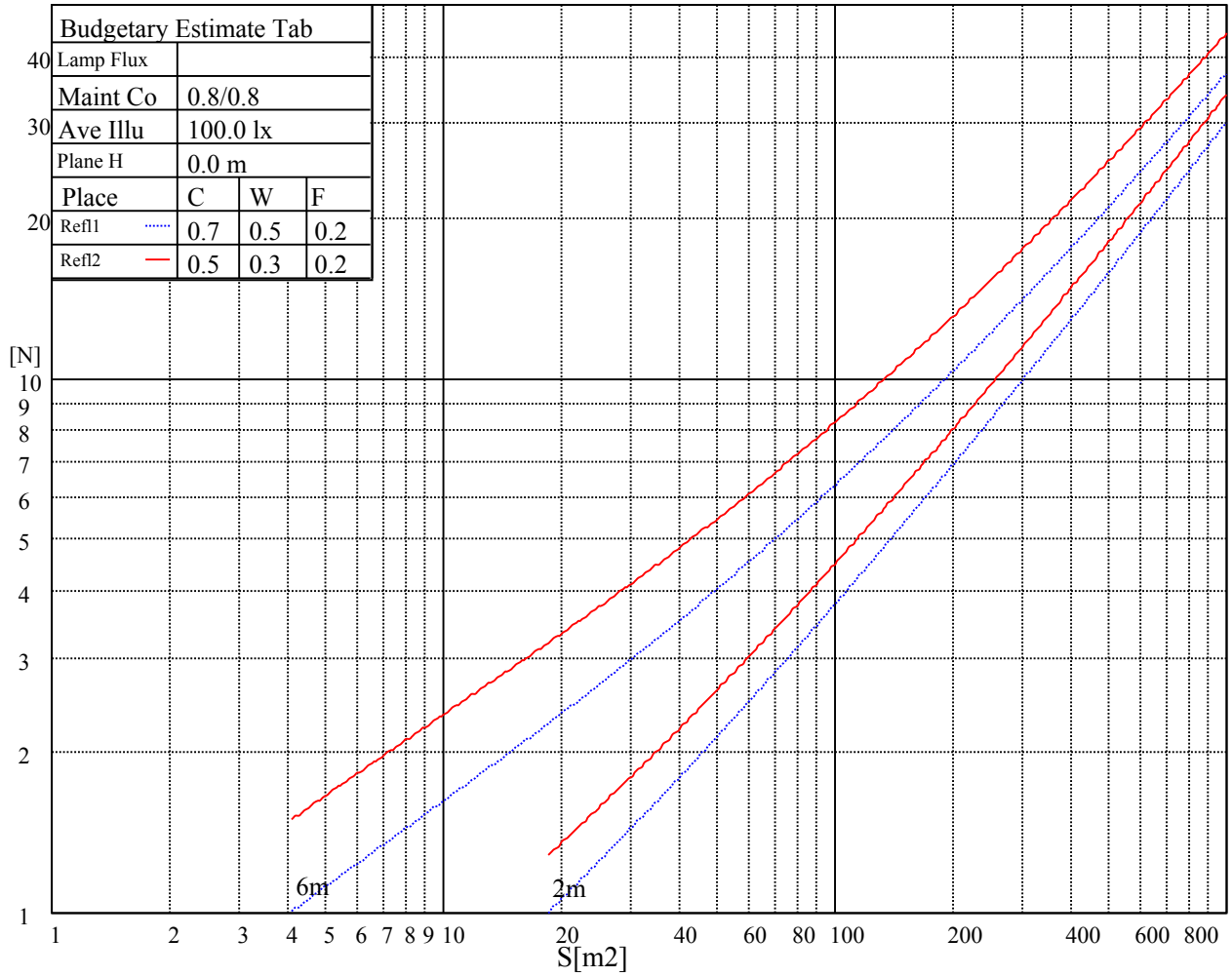


Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

Budgetary Estimate Table



Equipment:
Temperature(°C): 25.3

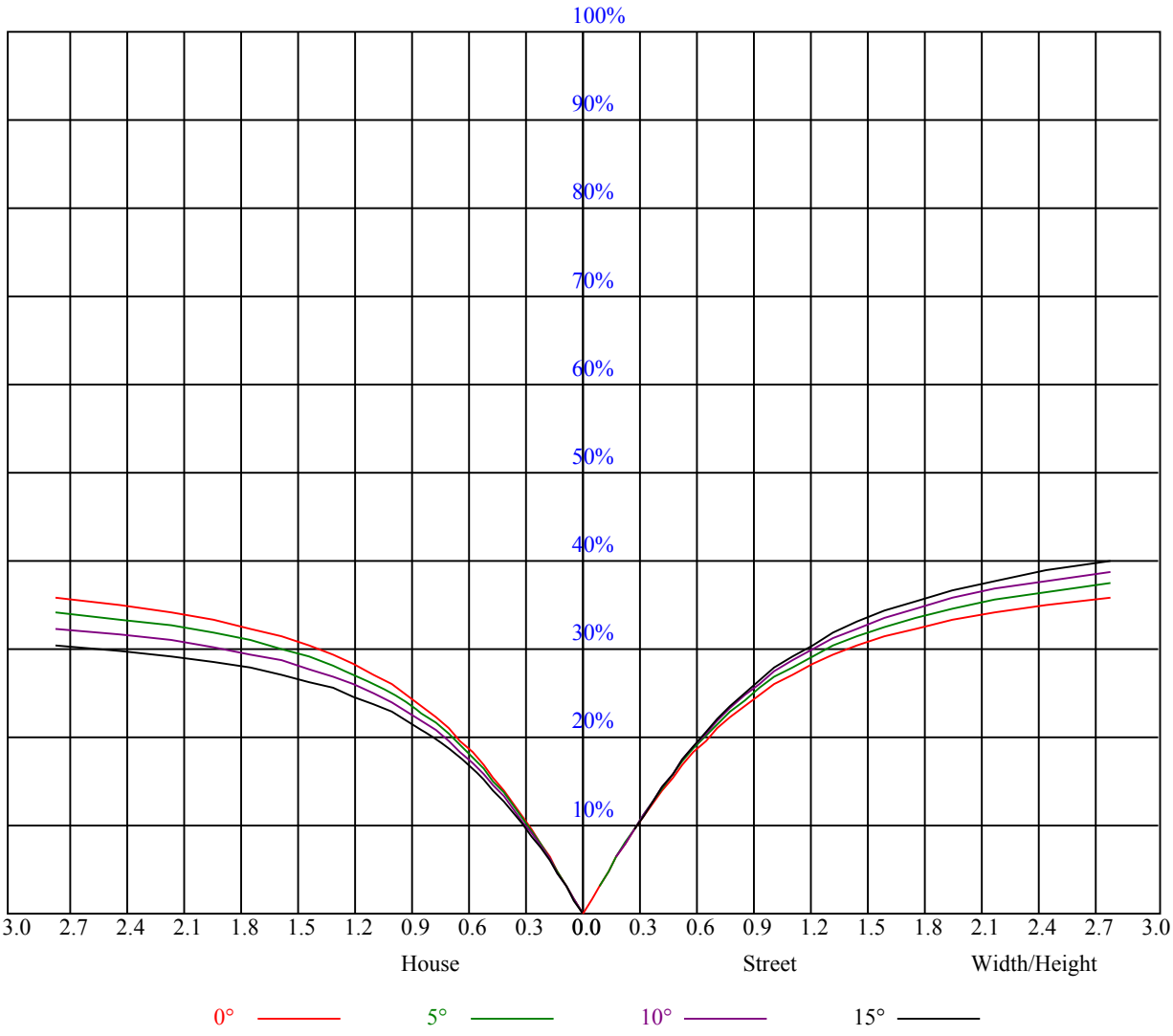
Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	0.93	0.93	0.93	0.85	0.85	0.85	0.82
1	0.96	0.90	0.86	0.92	0.87	0.83	0.84	0.80	0.77	0.77	0.74	0.71	0.71	0.68	0.66	0.62
2	0.82	0.74	0.68	0.79	0.71	0.65	0.72	0.66	0.61	0.66	0.61	0.57	0.60	0.57	0.53	0.50
3	0.71	0.62	0.55	0.68	0.60	0.53	0.63	0.56	0.50	0.57	0.52	0.47	0.53	0.48	0.44	0.41
4	0.63	0.53	0.46	0.60	0.51	0.45	0.55	0.48	0.42	0.51	0.45	0.40	0.46	0.41	0.37	0.34
5	0.56	0.46	0.39	0.53	0.45	0.38	0.49	0.42	0.36	0.45	0.39	0.34	0.42	0.36	0.32	0.29
6	0.50	0.41	0.34	0.48	0.39	0.33	0.44	0.37	0.31	0.41	0.34	0.30	0.38	0.32	0.28	0.25
7	0.45	0.36	0.30	0.43	0.35	0.29	0.40	0.33	0.27	0.37	0.31	0.26	0.34	0.29	0.25	0.22
8	0.41	0.32	0.26	0.39	0.31	0.26	0.37	0.29	0.24	0.34	0.28	0.23	0.31	0.26	0.22	0.20
9	0.37	0.29	0.23	0.36	0.28	0.23	0.34	0.27	0.22	0.31	0.25	0.21	0.29	0.24	0.20	0.18
10	0.34	0.26	0.21	0.33	0.26	0.21	0.31	0.24	0.20	0.29	0.23	0.19	0.27	0.22	0.18	0.16

Coefficient Utilization Curve



Equipment:
Temperature(°C): 25.3

Date: 2018-12-10
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.40

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	989.59	1006.59	1006.59	1006.59	1006.17	1005.14	1003.48	1001.82	999.54
22.5	989.59	989.80	990.01	989.80	989.80	988.56	987.31	985.45	982.75
45.0	989.59	989.80	990.01	989.80	989.39	988.77	986.90	985.24	982.75
67.5	989.59	989.59	989.39	989.39	989.39	988.56	987.11	985.03	982.55
90.0	989.59	989.18	989.18	989.39	989.18	988.35	987.11	984.83	982.55
112.5	989.59	989.59	989.39	989.39	989.39	988.56	987.11	985.03	982.55
135.0	989.59	989.80	990.01	989.80	989.39	988.77	986.90	985.24	982.75
157.5	989.59	989.80	990.01	989.80	989.80	988.56	987.31	985.45	982.75
180.0	989.59	1006.59	1006.59	1006.59	1006.17	1005.14	1003.48	1001.82	999.54
202.5	989.59	989.80	990.01	989.80	989.80	988.56	987.31	985.45	982.75
225.0	989.59	989.80	990.01	989.80	989.39	988.77	986.90	985.24	982.75
247.5	989.59	989.59	989.39	989.39	989.39	988.56	987.11	985.03	982.55
270.0	989.59	989.18	989.18	989.39	989.18	988.35	987.11	984.83	982.55
292.5	989.59	989.59	989.39	989.39	989.39	988.56	987.11	985.03	982.55
315.0	989.59	989.80	990.01	989.80	989.39	988.77	986.90	985.24	982.75
337.5	989.59	989.80	990.01	989.80	989.80	988.56	987.31	985.45	982.75
360.0	989.59	1006.59	1006.59	1006.59	1006.17	1005.14	1003.48	1001.82	999.54

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	995.60	992.08	988.14	984.21	978.40	973.43	967.63	962.03	954.16
22.5	979.65	976.12	972.39	967.83	962.65	957.68	951.46	945.04	938.61
45.0	979.85	976.54	972.19	968.04	963.27	957.06	951.46	945.45	939.44
67.5	979.85	976.54	972.19	968.04	963.07	957.47	951.88	946.07	939.44
90.0	979.85	976.54	972.19	968.87	964.10	958.71	952.08	946.07	940.06
112.5	985.86	976.54	972.19	968.04	963.07	957.47	951.88	946.07	939.44
135.0	984.41	976.54	972.19	968.04	963.27	957.06	951.46	945.45	939.44
157.5	981.72	976.12	972.39	967.83	962.65	957.68	951.46	945.04	938.61
180.0	995.60	992.08	988.14	984.21	978.40	973.43	967.63	962.03	954.16
202.5	979.65	976.12	972.39	967.83	962.65	957.68	951.46	945.04	938.61
225.0	979.85	976.54	972.19	968.04	963.27	957.06	951.46	945.45	939.44
247.5	979.85	976.54	972.19	968.04	963.07	957.47	951.88	946.07	939.44
270.0	979.85	976.54	972.19	968.87	964.10	958.71	952.08	946.07	940.06
292.5	973.64	976.54	972.19	968.04	963.07	957.47	951.88	946.07	939.44
315.0	975.09	976.54	972.19	968.04	963.27	957.06	951.46	945.45	939.44
337.5	977.37	976.12	972.39	967.83	962.65	957.68	951.46	945.04	938.61
360.0	995.60	992.08	988.14	984.21	978.40	973.43	967.63	962.03	954.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	947.52	941.10	934.05	924.10	916.44	908.35	900.89	890.53	882.03
22.5	932.19	924.93	917.27	909.80	902.55	893.64	884.31	875.82	867.32
45.0	932.19	924.52	917.68	910.84	902.76	894.05	885.35	876.85	868.36
67.5	932.81	925.14	917.47	910.43	902.55	893.85	884.94	876.85	868.36
90.0	933.64	925.76	918.92	911.67	903.38	894.88	886.39	878.30	868.56
112.5	932.81	925.14	917.47	910.43	902.55	893.85	884.94	876.85	868.36
135.0	932.19	924.52	917.68	910.84	902.76	894.05	885.35	876.85	868.36
157.5	932.19	924.93	917.27	909.80	902.55	893.64	884.31	875.82	867.32
180.0	947.52	941.10	934.05	924.10	916.44	908.35	900.89	890.53	882.03
202.5	932.19	924.93	917.27	909.80	902.55	893.64	884.31	875.82	867.32
225.0	932.19	924.52	917.68	910.84	902.76	894.05	885.35	876.85	868.36
247.5	932.81	925.14	917.47	910.43	902.55	893.85	884.94	876.85	868.36
270.0	933.64	925.76	918.92	911.67	903.38	894.88	886.39	878.30	868.56
292.5	932.81	925.14	917.47	910.43	902.55	893.85	884.94	876.85	868.36
315.0	932.19	924.52	917.68	910.84	902.76	894.05	885.35	876.85	868.36
337.5	932.19	924.93	917.27	909.80	902.55	893.64	884.31	875.82	867.32
360.0	947.52	941.10	934.05	924.10	916.44	908.35	900.89	890.53	882.03

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	873.54	864.83	852.61	843.69	834.99	825.25	815.51	805.35	796.03
22.5	858.41	849.91	840.59	830.84	821.52	812.40	802.24	792.30	783.18
45.0	859.03	850.12	840.17	831.05	821.73	812.81	802.66	792.92	783.80
67.5	859.86	849.70	840.59	831.88	822.35	812.81	802.87	793.33	782.76
90.0	860.07	850.74	842.24	832.50	822.97	813.02	804.11	794.78	783.39
112.5	859.86	849.70	840.59	831.88	822.35	812.81	802.87	793.33	782.76
135.0	859.03	850.12	840.17	831.05	821.73	812.81	802.66	792.92	783.80
157.5	858.41	849.91	840.59	830.84	821.52	812.40	802.24	792.30	783.18
180.0	873.54	864.83	852.61	843.69	834.99	825.25	815.51	805.35	796.03
202.5	858.41	849.91	840.59	830.84	821.52	812.40	802.24	792.30	783.18
225.0	859.03	850.12	840.17	831.05	821.73	812.81	802.66	792.92	783.80
247.5	859.86	849.70	840.59	831.88	822.35	812.81	802.87	793.33	782.76
270.0	860.07	850.74	842.24	832.50	822.97	813.02	804.11	794.78	783.39
292.5	859.86	849.70	840.59	831.88	822.35	812.81	802.87	793.33	782.76
315.0	859.03	850.12	840.17	831.05	821.73	812.81	802.66	792.92	783.80
337.5	858.41	849.91	840.59	830.84	821.52	812.40	802.24	792.30	783.18
360.0	873.54	864.83	852.61	843.69	834.99	825.25	815.51	805.35	796.03

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	786.29	777.38	764.73	754.79	745.67	735.10	725.56	714.37	704.84
22.5	773.23	763.90	752.71	743.39	734.06	723.91	713.13	703.39	694.06
45.0	773.23	763.49	753.54	743.39	734.06	723.28	713.96	704.22	693.44
67.5	773.64	763.08	753.33	744.22	733.23	723.08	714.17	704.22	693.44
90.0	773.85	764.94	755.41	744.42	734.89	725.36	714.58	703.39	694.06
112.5	773.64	763.08	753.33	744.22	733.23	723.08	714.17	704.22	693.44
135.0	773.23	763.49	753.54	743.39	734.06	723.28	713.96	704.22	693.44
157.5	773.23	763.90	752.71	743.39	734.06	723.91	713.13	703.39	694.06
180.0	786.29	777.38	764.73	754.79	745.67	735.10	725.56	714.37	704.84
202.5	773.23	763.90	752.71	743.39	734.06	723.91	713.13	703.39	694.06
225.0	773.23	763.49	753.54	743.39	734.06	723.28	713.96	704.22	693.44
247.5	773.64	763.08	753.33	744.22	733.23	723.08	714.17	704.22	693.44
270.0	773.85	764.94	755.41	744.42	734.89	725.36	714.58	703.39	694.06
292.5	773.64	763.08	753.33	744.22	733.23	723.08	714.17	704.22	693.44
315.0	773.23	763.49	753.54	743.39	734.06	723.28	713.96	704.22	693.44
337.5	773.23	763.90	752.71	743.39	734.06	723.91	713.13	703.39	694.06
360.0	786.29	777.38	764.73	754.79	745.67	735.10	725.56	714.37	704.84

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	694.48	684.94	675.41	665.67	653.86	644.32	634.79	623.60	614.07
22.5	683.08	673.55	663.39	653.65	643.91	633.75	624.43	613.86	604.53
45.0	684.32	674.58	663.60	653.44	643.70	633.96	624.22	614.69	604.33
67.5	683.49	673.55	663.18	653.65	644.32	634.58	624.22	613.86	604.33
90.0	684.74	675.00	665.05	654.69	645.36	635.83	624.84	614.07	605.36
112.5	683.49	673.55	663.18	653.65	644.32	634.58	624.22	613.86	604.33
135.0	684.32	674.58	663.60	653.44	643.70	633.96	624.22	614.69	604.33
157.5	683.08	673.55	663.39	653.65	643.91	633.75	624.43	613.86	604.53
180.0	694.48	684.94	675.41	665.67	653.86	644.32	634.79	623.60	614.07
202.5	683.08	673.55	663.39	653.65	643.91	633.75	624.43	613.86	604.53
225.0	684.32	674.58	663.60	653.44	643.70	633.96	624.22	614.69	604.33
247.5	683.49	673.55	663.18	653.65	644.32	634.58	624.22	613.86	604.33
270.0	684.74	675.00	665.05	654.69	645.36	635.83	624.84	614.07	605.36
292.5	683.49	673.55	663.18	653.65	644.32	634.58	624.22	613.86	604.33
315.0	684.32	674.58	663.60	653.44	643.70	633.96	624.22	614.69	604.33
337.5	683.08	673.55	663.39	653.65	643.91	633.75	624.43	613.86	604.53
360.0	694.48	684.94	675.41	665.67	653.86	644.32	634.79	623.60	614.07

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	602.88	594.17	583.81	574.28	562.88	553.34	541.95	533.03	522.46
22.5	594.38	584.02	574.48	564.53	553.76	543.19	533.66	522.26	512.93
45.0	595.41	583.81	574.07	563.91	554.38	544.85	534.90	524.33	513.97
67.5	594.79	585.05	574.48	563.91	554.38	545.05	534.90	523.29	513.35
90.0	595.21	585.05	574.69	565.16	555.83	545.47	535.11	523.91	513.97
112.5	594.79	585.05	574.48	563.91	554.38	545.05	534.90	523.29	513.35
135.0	595.41	583.81	574.07	563.91	554.38	544.85	534.90	524.33	513.97
157.5	594.38	584.02	574.48	564.53	553.76	543.19	533.66	522.26	512.93
180.0	602.88	594.17	583.81	574.28	562.88	553.34	541.95	533.03	522.46
202.5	594.38	584.02	574.48	564.53	553.76	543.19	533.66	522.26	512.93
225.0	595.41	583.81	574.07	563.91	554.38	544.85	534.90	524.33	513.97
247.5	594.79	585.05	574.48	563.91	554.38	545.05	534.90	523.29	513.35
270.0	595.21	585.05	574.69	565.16	555.83	545.47	535.11	523.91	513.97
292.5	594.79	585.05	574.48	563.91	554.38	545.05	534.90	523.29	513.35
315.0	595.41	583.81	574.07	563.91	554.38	544.85	534.90	524.33	513.97
337.5	594.38	584.02	574.48	564.53	553.76	543.19	533.66	522.26	512.93
360.0	602.88	594.17	583.81	574.28	562.88	553.34	541.95	533.03	522.46

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	511.48	501.74	492.00	478.53	468.58	459.46	449.31	437.70	426.72
22.5	503.60	492.83	482.88	472.73	462.16	450.96	441.02	429.62	419.88
45.0	503.40	492.83	482.67	472.52	461.53	452.00	441.43	430.65	420.29
67.5	503.81	493.45	483.71	471.69	461.95	452.00	442.26	431.48	419.46
90.0	504.43	494.69	483.29	473.55	462.78	452.21	441.64	430.86	420.09
112.5	503.81	493.45	483.71	471.69	461.95	452.00	442.26	431.48	419.46
135.0	503.40	492.83	482.67	472.52	461.53	452.00	441.43	430.65	420.29
157.5	503.60	492.83	482.88	472.73	462.16	450.96	441.02	429.62	419.88
180.0	511.48	501.74	492.00	478.53	468.58	459.46	449.31	437.70	426.72
202.5	503.60	492.83	482.88	472.73	462.16	450.96	441.02	429.62	419.88
225.0	503.40	492.83	482.67	472.52	461.53	452.00	441.43	430.65	420.29
247.5	503.81	493.45	483.71	471.69	461.95	452.00	442.26	431.48	419.46
270.0	504.43	494.69	483.29	473.55	462.78	452.21	441.64	430.86	420.09
292.5	503.81	493.45	483.71	471.69	461.95	452.00	442.26	431.48	419.46
315.0	503.40	492.83	482.67	472.52	461.53	452.00	441.43	430.65	420.29
337.5	503.60	492.83	482.88	472.73	462.16	450.96	441.02	429.62	419.88
360.0	511.48	501.74	492.00	478.53	468.58	459.46	449.31	437.70	426.72

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	416.98	406.82	395.22	385.27	374.08	365.37	354.18	344.86	335.94
22.5	409.72	399.78	388.79	379.05	368.27	359.36	348.38	339.67	329.52
45.0	410.34	398.95	388.79	378.84	369.10	358.74	348.59	338.64	329.52
67.5	409.72	399.78	389.62	378.84	368.90	358.53	349.83	339.88	329.31
90.0	409.93	400.40	390.66	378.43	368.69	359.36	349.21	339.26	330.35
112.5	409.72	399.78	389.62	378.84	368.90	358.53	349.83	339.88	329.31
135.0	410.34	398.95	388.79	378.84	369.10	358.74	348.59	338.64	329.52
157.5	409.72	399.78	388.79	379.05	368.27	359.36	348.38	339.67	329.52
180.0	416.98	406.82	395.22	385.27	374.08	365.37	354.18	344.86	335.94
202.5	409.72	399.78	388.79	379.05	368.27	359.36	348.38	339.67	329.52
225.0	410.34	398.95	388.79	378.84	369.10	358.74	348.59	338.64	329.52
247.5	409.72	399.78	389.62	378.84	368.90	358.53	349.83	339.88	329.31
270.0	409.93	400.40	390.66	378.43	368.69	359.36	349.21	339.26	330.35
292.5	409.72	399.78	389.62	378.84	368.90	358.53	349.83	339.88	329.31
315.0	410.34	398.95	388.79	378.84	369.10	358.74	348.59	338.64	329.52
337.5	409.72	399.78	388.79	379.05	368.27	359.36	348.38	339.67	329.52
360.0	416.98	406.82	395.22	385.27	374.08	365.37	354.18	344.86	335.94

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	325.37	317.08	308.79	299.05	289.73	281.85	274.18	266.31	258.23
22.5	320.19	312.11	302.99	292.63	285.38	277.50	270.04	261.96	254.70
45.0	319.99	311.28	301.96	294.08	286.21	277.92	269.83	261.34	254.91
67.5	320.61	311.49	303.41	293.25	285.17	277.71	269.83	261.96	255.33
90.0	320.82	312.32	303.61	294.08	285.58	277.92	270.45	261.54	254.50
112.5	320.61	311.49	303.41	293.25	285.17	277.71	269.83	261.96	255.33
135.0	319.99	311.28	301.96	294.08	286.21	277.92	269.83	261.34	254.91
157.5	320.19	312.11	302.99	292.63	285.38	277.50	270.04	261.96	254.70
180.0	325.37	317.08	308.79	299.05	289.73	281.85	274.18	266.31	258.23
202.5	320.19	312.11	302.99	292.63	285.38	277.50	270.04	261.96	254.70
225.0	319.99	311.28	301.96	294.08	286.21	277.92	269.83	261.34	254.91
247.5	320.61	311.49	303.41	293.25	285.17	277.71	269.83	261.96	255.33
270.0	320.82	312.32	303.61	294.08	285.58	277.92	270.45	261.54	254.50
292.5	320.61	311.49	303.41	293.25	285.17	277.71	269.83	261.96	255.33
315.0	319.99	311.28	301.96	294.08	286.21	277.92	269.83	261.34	254.91
337.5	320.19	312.11	302.99	292.63	285.38	277.50	270.04	261.96	254.70
360.0	325.37	317.08	308.79	299.05	289.73	281.85	274.18	266.31	258.23

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	251.39	244.96	238.54	231.91	226.52	220.72	215.74	212.22	205.17
22.5	248.07	240.82	233.98	228.18	222.79	216.99	211.80	206.62	202.69
45.0	248.28	240.82	234.39	228.80	223.00	217.19	211.80	206.42	201.86
67.5	247.45	240.61	234.60	228.59	222.58	216.99	212.01	207.24	202.27
90.0	248.69	241.85	234.60	228.80	223.41	218.23	212.01	207.24	202.89
112.5	247.45	240.61	234.60	228.59	222.58	216.99	212.01	207.24	202.27
135.0	248.28	240.82	234.39	228.80	223.00	217.19	211.80	206.42	201.86
157.5	248.07	240.82	233.98	228.18	222.79	216.99	211.80	206.62	202.69
180.0	251.39	244.96	238.54	231.91	226.52	220.72	215.74	212.22	205.17
202.5	248.07	240.82	233.98	228.18	222.79	216.99	211.80	206.62	202.69
225.0	248.28	240.82	234.39	228.80	223.00	217.19	211.80	206.42	201.86
247.5	247.45	240.61	234.60	228.59	222.58	216.99	212.01	207.24	202.27
270.0	248.69	241.85	234.60	228.80	223.41	218.23	212.01	207.24	202.89
292.5	247.45	240.61	234.60	228.59	222.58	216.99	212.01	207.24	202.27
315.0	248.28	240.82	234.39	228.80	223.00	217.19	211.80	206.42	201.86
337.5	248.07	240.82	233.98	228.18	222.79	216.99	211.80	206.62	202.69
360.0	251.39	244.96	238.54	231.91	226.52	220.72	215.74	212.22	205.17

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	201.03	197.09	193.15	188.39	184.86	181.34	177.82	173.67	170.56
22.5	198.13	193.15	189.21	185.69	181.75	178.23	174.71	171.18	167.66
45.0	197.71	193.36	189.42	185.28	181.96	178.02	173.88	170.98	167.66
67.5	197.50	193.36	189.21	185.69	181.55	178.02	174.50	171.39	167.66
90.0	198.33	193.36	189.63	185.90	181.75	178.44	174.71	171.39	168.08
112.5	197.50	193.36	189.21	185.69	181.55	178.02	174.50	171.39	167.66
135.0	197.71	193.36	189.42	185.28	181.96	178.02	173.88	170.98	167.66
157.5	198.13	193.15	189.21	185.69	181.75	178.23	174.71	171.18	167.66
180.0	201.03	197.09	193.15	188.39	184.86	181.34	177.82	173.67	170.56
202.5	198.13	193.15	189.21	185.69	181.75	178.23	174.71	171.18	167.66
225.0	197.71	193.36	189.42	185.28	181.96	178.02	173.88	170.98	167.66
247.5	197.50	193.36	189.21	185.69	181.55	178.02	174.50	171.39	167.66
270.0	198.33	193.36	189.63	185.90	181.75	178.44	174.71	171.39	168.08
292.5	197.50	193.36	189.21	185.69	181.55	178.02	174.50	171.39	167.66
315.0	197.71	193.36	189.42	185.28	181.96	178.02	173.88	170.98	167.66
337.5	198.13	193.15	189.21	185.69	181.75	178.23	174.71	171.18	167.66
360.0	201.03	197.09	193.15	188.39	184.86	181.34	177.82	173.67	170.56

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	167.25	163.72	160.82	157.30	154.19	151.08	147.35	144.24	141.34
22.5	164.35	160.82	157.71	154.60	151.70	148.18	145.07	142.17	139.06
45.0	164.14	160.82	157.92	154.60	151.29	148.18	145.28	141.76	139.06
67.5	164.14	161.03	157.71	154.40	151.29	148.39	145.28	142.17	138.85
90.0	164.35	160.82	157.71	154.81	151.70	148.39	145.49	142.17	139.48
112.5	164.14	161.03	157.71	154.40	151.29	148.39	145.28	142.17	138.85
135.0	164.14	160.82	157.92	154.60	151.29	148.18	145.28	141.76	139.06
157.5	164.35	160.82	157.71	154.60	151.70	148.18	145.07	142.17	139.06
180.0	167.25	163.72	160.82	157.30	154.19	151.08	147.35	144.24	141.34
202.5	164.35	160.82	157.71	154.60	151.70	148.18	145.07	142.17	139.06
225.0	164.14	160.82	157.92	154.60	151.29	148.18	145.28	141.76	139.06
247.5	164.14	161.03	157.71	154.40	151.29	148.39	145.28	142.17	138.85
270.0	164.35	160.82	157.71	154.81	151.70	148.39	145.49	142.17	139.48
292.5	164.14	161.03	157.71	154.40	151.29	148.39	145.28	142.17	138.85
315.0	164.14	160.82	157.92	154.60	151.29	148.18	145.28	141.76	139.06
337.5	164.35	160.82	157.71	154.60	151.70	148.18	145.07	142.17	139.06
360.0	167.25	163.72	160.82	157.30	154.19	151.08	147.35	144.24	141.34

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	138.65	135.54	132.22	129.11	126.42	122.90	120.20	117.30	114.40
22.5	135.75	132.84	129.94	127.04	124.14	120.82	117.72	115.23	112.53
45.0	135.95	133.05	129.94	127.04	123.93	121.24	118.75	115.23	112.12
67.5	135.95	132.84	129.94	127.04	123.93	121.03	118.34	115.44	112.53
90.0	135.95	133.05	129.94	127.25	123.93	121.03	118.13	115.64	112.74
112.5	135.95	132.84	129.94	127.04	123.93	121.03	118.34	115.44	112.53
135.0	135.95	133.05	129.94	127.04	123.93	121.24	118.75	115.23	112.12
157.5	135.75	132.84	129.94	127.04	124.14	120.82	117.72	115.23	112.53
180.0	138.65	135.54	132.22	129.11	126.42	122.90	120.20	117.30	114.40
202.5	135.75	132.84	129.94	127.04	124.14	120.82	117.72	115.23	112.53
225.0	135.95	133.05	129.94	127.04	123.93	121.24	118.75	115.23	112.12
247.5	135.95	132.84	129.94	127.04	123.93	121.03	118.34	115.44	112.53
270.0	135.95	133.05	129.94	127.25	123.93	121.03	118.13	115.64	112.74
292.5	135.95	132.84	129.94	127.04	123.93	121.03	118.34	115.44	112.53
315.0	135.95	133.05	129.94	127.04	123.93	121.24	118.75	115.23	112.12
337.5	135.75	132.84	129.94	127.04	124.14	120.82	117.72	115.23	112.53
360.0	138.65	135.54	132.22	129.11	126.42	122.90	120.20	117.30	114.40

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	111.29	108.39	105.49	101.76	98.86	96.16	92.43	89.53	85.59
22.5	109.63	106.52	103.42	100.72	97.41	94.09	90.98	87.66	84.76
45.0	109.43	106.52	103.62	100.51	97.61	94.50	90.98	87.66	84.56
67.5	109.22	106.32	103.42	100.31	97.41	93.88	91.19	87.66	84.35
90.0	109.22	106.52	103.83	100.31	97.41	94.50	90.77	87.66	84.56
112.5	109.22	106.32	103.42	100.31	97.41	93.88	91.19	87.66	84.35
135.0	109.43	106.52	103.62	100.51	97.61	94.50	90.98	87.66	84.56
157.5	109.63	106.52	103.42	100.72	97.41	94.09	90.98	87.66	84.76
180.0	111.29	108.39	105.49	101.76	98.86	96.16	92.43	89.53	85.59
202.5	109.63	106.52	103.42	100.72	97.41	94.09	90.98	87.66	84.76
225.0	109.43	106.52	103.62	100.51	97.61	94.50	90.98	87.66	84.56
247.5	109.22	106.32	103.42	100.31	97.41	93.88	91.19	87.66	84.35
270.0	109.22	106.52	103.83	100.31	97.41	94.50	90.77	87.66	84.56
292.5	109.22	106.32	103.42	100.31	97.41	93.88	91.19	87.66	84.35
315.0	109.43	106.52	103.62	100.51	97.61	94.50	90.98	87.66	84.56
337.5	109.63	106.52	103.42	100.72	97.41	94.09	90.98	87.66	84.76
360.0	111.29	108.39	105.49	101.76	98.86	96.16	92.43	89.53	85.59

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	82.90	79.37	76.06	72.74	69.43	65.90	63.00	59.89	56.58
22.5	81.24	77.72	74.82	71.50	68.18	64.87	61.97	58.86	55.54
45.0	81.24	77.92	74.40	71.50	68.39	65.07	61.97	58.65	55.54
67.5	80.62	77.72	74.61	71.50	68.18	65.07	61.97	58.44	55.13
90.0	81.03	77.92	74.82	71.71	68.60	65.07	61.76	58.44	55.33
112.5	80.62	77.72	74.61	71.50	68.18	65.07	61.97	58.44	55.13
135.0	81.24	77.92	74.40	71.50	68.39	65.07	61.97	58.65	55.54
157.5	81.24	77.72	74.82	71.50	68.18	64.87	61.97	58.86	55.54
180.0	82.90	79.37	76.06	72.74	69.43	65.90	63.00	59.89	56.58
202.5	81.24	77.72	74.82	71.50	68.18	64.87	61.97	58.86	55.54
225.0	81.24	77.92	74.40	71.50	68.39	65.07	61.97	58.65	55.54
247.5	80.62	77.72	74.61	71.50	68.18	65.07	61.97	58.44	55.13
270.0	81.03	77.92	74.82	71.71	68.60	65.07	61.76	58.44	55.33
292.5	80.62	77.72	74.61	71.50	68.18	65.07	61.97	58.44	55.13
315.0	81.24	77.92	74.40	71.50	68.39	65.07	61.97	58.65	55.54
337.5	81.24	77.72	74.82	71.50	68.18	64.87	61.97	58.86	55.54
360.0	82.90	79.37	76.06	72.74	69.43	65.90	63.00	59.89	56.58

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	53.26	50.15	47.04	43.73	41.03	38.13	35.23	32.54	29.84
22.5	52.23	49.32	46.42	43.52	40.00	37.30	34.40	31.92	29.01
45.0	52.64	49.32	46.22	43.31	40.41	37.51	34.40	31.71	29.22
67.5	52.23	49.12	46.22	42.90	40.21	37.30	34.40	31.71	29.01
90.0	52.23	49.12	46.01	43.31	40.41	37.10	34.61	31.50	29.01
112.5	52.23	49.12	46.22	42.90	40.21	37.30	34.40	31.71	29.01
135.0	52.64	49.32	46.22	43.31	40.41	37.51	34.40	31.71	29.22
157.5	52.23	49.32	46.42	43.52	40.00	37.30	34.40	31.92	29.01
180.0	53.26	50.15	47.04	43.73	41.03	38.13	35.23	32.54	29.84
202.5	52.23	49.32	46.42	43.52	40.00	37.30	34.40	31.92	29.01
225.0	52.64	49.32	46.22	43.31	40.41	37.51	34.40	31.71	29.22
247.5	52.23	49.12	46.22	42.90	40.21	37.30	34.40	31.71	29.01
270.0	52.23	49.12	46.01	43.31	40.41	37.10	34.61	31.50	29.01
292.5	52.23	49.12	46.22	42.90	40.21	37.30	34.40	31.71	29.01
315.0	52.64	49.32	46.22	43.31	40.41	37.51	34.40	31.71	29.22
337.5	52.23	49.32	46.42	43.52	40.00	37.30	34.40	31.92	29.01
360.0	53.26	50.15	47.04	43.73	41.03	38.13	35.23	32.54	29.84

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	27.15	24.66	21.55	19.07	16.58	14.51	12.23	9.95	8.08
22.5	26.32	23.63	21.14	18.86	16.37	13.89	11.61	9.33	7.46
45.0	26.53	23.83	21.14	18.86	16.37	13.89	11.81	9.33	7.46
67.5	26.32	23.63	21.35	18.65	16.17	13.89	11.61	9.53	7.46
90.0	26.53	24.04	20.93	18.65	16.17	14.09	11.40	9.53	7.46
112.5	26.32	23.63	21.35	18.65	16.17	13.89	11.61	9.53	7.46
135.0	26.53	23.83	21.14	18.86	16.37	13.89	11.81	9.33	7.46
157.5	26.32	23.63	21.14	18.86	16.37	13.89	11.61	9.33	7.46
180.0	27.15	24.66	21.55	19.07	16.58	14.51	12.23	9.95	8.08
202.5	26.32	23.63	21.14	18.86	16.37	13.89	11.61	9.33	7.46
225.0	26.53	23.83	21.14	18.86	16.37	13.89	11.81	9.33	7.46
247.5	26.32	23.63	21.35	18.65	16.17	13.89	11.61	9.53	7.46
270.0	26.53	24.04	20.93	18.65	16.17	14.09	11.40	9.53	7.46
292.5	26.32	23.63	21.35	18.65	16.17	13.89	11.61	9.53	7.46
315.0	26.53	23.83	21.14	18.86	16.37	13.89	11.81	9.33	7.46
337.5	26.32	23.63	21.14	18.86	16.37	13.89	11.61	9.33	7.46
360.0	27.15	24.66	21.55	19.07	16.58	14.51	12.23	9.95	8.08

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	5.80	3.94	2.49	1.66	1.66	1.66	1.66	1.66	1.66
22.5	5.39	3.73	2.49	1.66	1.66	1.66	1.45	1.66	1.66
45.0	5.60	3.94	2.90	2.07	1.66	1.66	1.66	1.66	1.66
67.5	5.60	4.35	3.11	2.49	1.87	1.66	1.66	1.66	1.66
90.0	5.80	4.35	3.52	2.49	2.07	1.66	1.66	1.66	1.66
112.5	5.60	4.35	3.11	2.49	1.87	1.66	1.66	1.66	1.66
135.0	5.60	3.94	2.90	2.07	1.66	1.66	1.66	1.66	1.66
157.5	5.39	3.73	2.49	1.66	1.66	1.66	1.45	1.66	1.66
180.0	5.80	3.94	2.49	1.66	1.66	1.66	1.66	1.66	1.66
202.5	5.39	3.73	2.49	1.66	1.66	1.66	1.45	1.66	1.66
225.0	5.60	3.94	2.90	2.07	1.66	1.66	1.66	1.66	1.66
247.5	5.60	4.35	3.11	2.49	1.87	1.66	1.66	1.66	1.66
270.0	5.80	4.35	3.52	2.49	2.07	1.66	1.66	1.66	1.66
292.5	5.60	4.35	3.11	2.49	1.87	1.66	1.66	1.66	1.66
315.0	5.60	3.94	2.90	2.07	1.66	1.66	1.66	1.66	1.66
337.5	5.39	3.73	2.49	1.66	1.66	1.66	1.45	1.66	1.66
360.0	5.80	3.94	2.49	1.66	1.66	1.66	1.66	1.66	1.66

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
22.5	1.66	1.66	1.66	1.66	1.66	1.66	1.45	1.45	1.45
45.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
67.5	1.66	1.87	1.87	1.66	1.66	1.66	1.66	1.87	1.66
90.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
112.5	1.66	1.87	1.87	1.66	1.66	1.66	1.66	1.87	1.66
135.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
157.5	1.66	1.66	1.66	1.66	1.66	1.66	1.45	1.45	1.45
180.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
202.5	1.66	1.66	1.66	1.66	1.66	1.66	1.45	1.45	1.45
225.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
247.5	1.66	1.87	1.87	1.66	1.66	1.66	1.66	1.87	1.66
270.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
292.5	1.66	1.87	1.87	1.66	1.66	1.66	1.66	1.87	1.66
315.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
337.5	1.66	1.66	1.66	1.66	1.66	1.66	1.45	1.45	1.45
360.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66

C/γ(°)	180.0
0.0	1.66
22.5	1.66
45.0	1.66
67.5	1.66
90.0	1.66
112.5	1.66
135.0	1.66
157.5	1.66
180.0	1.66
202.5	1.66
225.0	1.66
247.5	1.66
270.0	1.66
292.5	1.66
315.0	1.66
337.5	1.66
360.0	1.66