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-30
Luminaire:
Report No:
Test No:
LampCAT:
Lamp flux(lm)
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 219.9000
Current(A): 0.1420
Power (W): 29.5500
PF: 0.9443
Ballast type:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2943.55
Lumens(lm)/Power(W): 99.61
Central intensity(cd): 695.306
Maximum intensity(cd): 703.182
Angle of maximum intensity: C=0.0 γ=3.0
Beam Angle(50%Imax): [C0/180]Total=126.0
[C90/270]Total=124.9
Field angle(10%Imax): [C0/180]Total=258.1
[C90/270]Total=256.9
Maximum s/h(1/2): C0_180=1.25 C90_270=1.22
Maximum s/h(1/4): C0_180=1.39 C90_270=1.37
Up flux rate of LUM(%): 17.90%
Down flux rate of LUM(%): 82.10%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 54.441%

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

TY-BUR-30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	695.306	.000	.000	.000%	.000%
1.0	696.356	.666	.666	.023%	.023%
2.0	696.641	1.999	2.665	.068%	.091%
3.0	696.744	3.333	5.998	.113%	.204%
4.0	696.446	4.663	10.661	.158%	.362%
5.0	695.850	5.990	16.651	.203%	.566%
6.0	694.814	7.308	23.959	.248%	.814%
7.0	693.286	8.616	32.575	.293%	1.107%
8.0	691.421	9.910	42.485	.337%	1.443%
9.0	688.934	11.187	53.672	.380%	1.823%
10.0	686.136	12.444	66.116	.423%	2.246%
11.0	683.183	13.682	79.798	.465%	2.711%
12.0	679.802	14.899	94.698	.506%	3.217%
13.0	676.395	16.095	110.792	.547%	3.764%
14.0	672.082	17.260	128.053	.586%	4.350%
15.0	668.067	18.398	146.451	.625%	4.975%
16.0	663.792	19.515	165.966	.663%	5.638%
17.0	658.792	20.596	186.563	.700%	6.338%
18.0	653.689	21.640	208.203	.735%	7.073%
19.0	648.443	22.654	230.857	.770%	7.843%
20.0	643.366	23.644	254.501	.803%	8.646%
21.0	637.356	24.592	279.093	.835%	9.481%
22.0	631.708	25.502	304.595	.866%	10.348%
23.0	625.335	26.376	330.972	.896%	11.244%
24.0	619.312	27.212	358.184	.924%	12.168%
25.0	613.160	28.024	386.208	.952%	13.120%
26.0	606.385	28.788	414.995	.978%	14.098%
27.0	599.818	29.510	444.505	1.003%	15.101%
28.0	593.238	30.206	474.711	1.026%	16.127%
29.0	586.477	30.865	505.576	1.049%	17.176%
30.0	579.405	31.479	537.054	1.069%	18.245%
31.0	572.488	32.056	569.110	1.089%	19.334%
32.0	565.597	32.605	601.715	1.108%	20.442%
33.0	558.564	33.118	634.833	1.125%	21.567%
34.0	551.310	33.588	668.421	1.141%	22.708%
35.0	544.303	34.026	702.446	1.156%	23.864%
36.0	537.580	34.447	736.894	1.170%	25.034%
37.0	530.521	34.835	771.729	1.183%	26.218%

Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

TY-BUR-30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	523.267	35.174	806.903	1.195%	27.413%
39.0	515.819	35.467	842.370	1.205%	28.617%
40.0	508.333	35.719	878.089	1.213%	29.831%
41.0	501.273	35.952	914.041	1.221%	31.052%
42.0	494.124	36.165	950.205	1.229%	32.281%
43.0	486.857	36.338	986.543	1.235%	33.515%
44.0	479.733	36.482	1023.025	1.239%	34.755%
45.0	472.065	36.579	1059.604	1.243%	35.997%
46.0	465.459	36.665	1096.268	1.246%	37.243%
47.0	458.076	36.731	1133.000	1.248%	38.491%
48.0	451.107	36.754	1169.754	1.249%	39.740%
49.0	443.737	36.747	1206.501	1.248%	40.988%
50.0	436.315	36.692	1243.193	1.247%	42.234%
51.0	429.865	36.647	1279.840	1.245%	43.479%
52.0	422.533	36.577	1316.417	1.243%	44.722%
53.0	415.383	36.449	1352.866	1.238%	45.960%
54.0	408.013	36.292	1389.158	1.233%	47.193%
55.0	401.278	36.125	1425.284	1.227%	48.421%
56.0	394.102	35.941	1461.225	1.221%	49.642%
57.0	387.289	35.727	1496.952	1.214%	50.855%
58.0	379.932	35.479	1532.431	1.205%	52.061%
59.0	372.808	35.191	1567.622	1.196%	53.256%
60.0	365.735	34.891	1602.513	1.185%	54.441%
61.0	358.831	34.578	1637.091	1.175%	55.616%
62.0	351.539	34.230	1671.321	1.163%	56.779%
63.0	344.260	33.840	1705.161	1.150%	57.929%
64.0	337.317	33.445	1738.606	1.136%	59.065%
65.0	330.413	33.045	1771.651	1.123%	60.187%
66.0	322.784	32.590	1804.241	1.107%	61.295%
67.0	315.776	32.109	1836.350	1.091%	62.385%
68.0	308.342	31.616	1867.966	1.074%	63.460%
69.0	301.412	31.107	1899.073	1.057%	64.516%
70.0	294.171	30.588	1929.661	1.039%	65.555%
71.0	286.801	30.028	1959.688	1.020%	66.576%
72.0	279.755	29.459	1989.148	1.001%	67.576%
73.0	272.851	28.897	2018.045	.982%	68.558%
74.0	265.623	28.309	2046.354	.962%	69.520%
75.0	258.693	27.703	2074.057	.941%	70.461%

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

TY-BUR-30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	251.997	27.109	2101.166	.921%	71.382%
77.0	244.963	26.496	2127.662	.900%	72.282%
78.0	238.176	25.863	2153.524	.879%	73.161%
79.0	231.492	25.235	2178.760	.857%	74.018%
80.0	225.184	24.621	2203.380	.836%	74.854%
81.0	218.630	24.001	2227.381	.815%	75.670%
82.0	212.219	23.364	2250.745	.794%	76.464%
83.0	206.403	22.757	2273.502	.773%	77.237%
84.0	200.483	22.166	2295.668	.753%	77.990%
85.0	194.823	21.575	2317.243	.733%	78.723%
86.0	189.150	20.989	2338.232	.713%	79.436%
87.0	183.878	20.415	2358.647	.694%	80.129%
88.0	178.619	19.857	2378.504	.675%	80.804%
89.0	173.645	19.308	2397.812	.656%	81.460%
90.0	168.814	18.776	2416.588	.638%	82.098%
91.0	164.527	18.277	2434.865	.621%	82.719%
92.0	159.980	17.787	2452.651	.604%	83.323%
93.0	155.511	17.282	2469.933	.587%	83.910%
94.0	151.535	16.804	2486.737	.571%	84.481%
95.0	147.843	16.364	2503.102	.556%	85.037%
96.0	144.476	15.954	2519.056	.542%	85.579%
97.0	140.784	15.540	2534.596	.528%	86.107%
98.0	137.779	15.143	2549.739	.514%	86.621%
99.0	134.593	14.770	2564.510	.502%	87.123%
100.0	131.691	14.400	2578.910	.489%	87.612%
101.0	129.023	14.056	2592.965	.478%	88.090%
102.0	126.393	13.723	2606.689	.466%	88.556%
103.0	123.816	13.394	2620.083	.455%	89.011%
104.0	121.471	13.078	2633.160	.444%	89.455%
105.0	118.920	12.761	2645.921	.434%	89.889%
106.0	116.692	12.449	2658.370	.423%	90.312%
107.0	114.321	12.145	2670.515	.413%	90.724%
108.0	112.223	11.847	2682.362	.402%	91.127%
109.0	109.892	11.549	2693.911	.392%	91.519%
110.0	107.703	11.246	2705.157	.382%	91.901%
111.0	105.449	10.947	2716.104	.372%	92.273%
112.0	103.350	10.652	2726.756	.362%	92.635%
113.0	101.161	10.360	2737.116	.352%	92.987%

TY-BUR-30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	99.089	10.069	2747.185	.342%	93.329%
115.0	96.978	9.782	2756.968	.332%	93.661%
116.0	94.892	9.495	2766.463	.323%	93.984%
117.0	92.897	9.215	2775.678	.313%	94.297%
118.0	90.890	8.939	2784.616	.304%	94.600%
119.0	88.766	8.657	2793.273	.294%	94.895%
120.0	86.797	8.378	2801.651	.285%	95.179%
121.0	84.698	8.102	2809.753	.275%	95.454%
122.0	82.872	7.834	2817.587	.266%	95.721%
123.0	80.761	7.567	2825.154	.257%	95.978%
124.0	78.883	7.299	2832.453	.248%	96.226%
125.0	76.836	7.036	2839.490	.239%	96.465%
126.0	74.880	6.772	2846.262	.230%	96.695%
127.0	72.665	6.503	2852.765	.221%	96.916%
128.0	70.774	6.240	2859.005	.212%	97.128%
129.0	68.753	5.987	2864.992	.203%	97.331%
130.0	66.759	5.733	2870.726	.195%	97.526%
131.0	64.609	5.477	2876.203	.186%	97.712%
132.0	62.588	5.223	2881.426	.177%	97.889%
133.0	60.295	4.968	2886.394	.169%	98.058%
134.0	57.860	4.699	2891.093	.160%	98.218%
135.0	55.658	4.439	2895.532	.151%	98.369%
136.0	53.495	4.195	2899.727	.143%	98.511%
137.0	51.384	3.958	2903.686	.134%	98.646%
138.0	49.156	3.724	2907.410	.127%	98.772%
139.0	46.928	3.491	2910.901	.119%	98.891%
140.0	44.713	3.263	2914.164	.111%	99.002%
141.0	42.485	3.041	2917.206	.103%	99.105%
142.0	40.257	2.824	2920.030	.096%	99.201%
143.0	38.185	2.618	2922.648	.089%	99.290%
144.0	36.164	2.425	2925.073	.082%	99.372%
145.0	33.859	2.230	2927.302	.076%	99.448%
146.0	31.799	2.039	2929.342	.069%	99.517%
147.0	29.714	1.862	2931.203	.063%	99.580%
148.0	27.719	1.692	2932.895	.057%	99.638%
149.0	25.685	1.530	2934.425	.052%	99.690%
150.0	23.691	1.374	2935.799	.047%	99.737%
151.0	21.787	1.228	2937.027	.042%	99.778%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	19.870	1.090	2938.117	.037%	99.815%
153.0	18.056	.960	2939.077	.033%	99.848%
154.0	16.321	.841	2939.918	.029%	99.876%
155.0	14.481	.727	2940.645	.025%	99.901%
156.0	12.771	.620	2941.265	.021%	99.922%
157.0	11.062	.521	2941.786	.018%	99.940%
158.0	9.468	.431	2942.216	.015%	99.955%
159.0	7.875	.349	2942.565	.012%	99.966%
160.0	6.347	.273	2942.838	.009%	99.976%
161.0	4.883	.206	2943.044	.007%	99.983%
162.0	3.510	.146	2943.190	.005%	99.988%
163.0	2.306	.096	2943.286	.003%	99.991%
164.0	1.412	.058	2943.344	.002%	99.993%
165.0	1.010	.035	2943.379	.001%	99.994%
166.0	.816	.025	2943.404	.001%	99.995%
167.0	.829	.021	2943.425	.001%	99.996%
168.0	.842	.020	2943.445	.001%	99.996%
169.0	.777	.018	2943.462	.001%	99.997%
170.0	.881	.017	2943.479	.001%	99.997%
171.0	.790	.015	2943.494	.001%	99.998%
172.0	.829	.013	2943.507	.000%	99.998%
173.0	.738	.011	2943.519	.000%	99.999%
174.0	.777	.009	2943.528	.000%	99.999%
175.0	.816	.008	2943.536	.000%	99.999%
176.0	.738	.007	2943.543	.000%	100.000%
177.0	.738	.005	2943.548	.000%	100.000%
178.0	.790	.004	2943.552	.000%	100.000%
179.0	.751	.002	2943.554	.000%	100.000%
180.0	.829	.001	2943.554	.000%	100.000%

Zonal flux distribution table

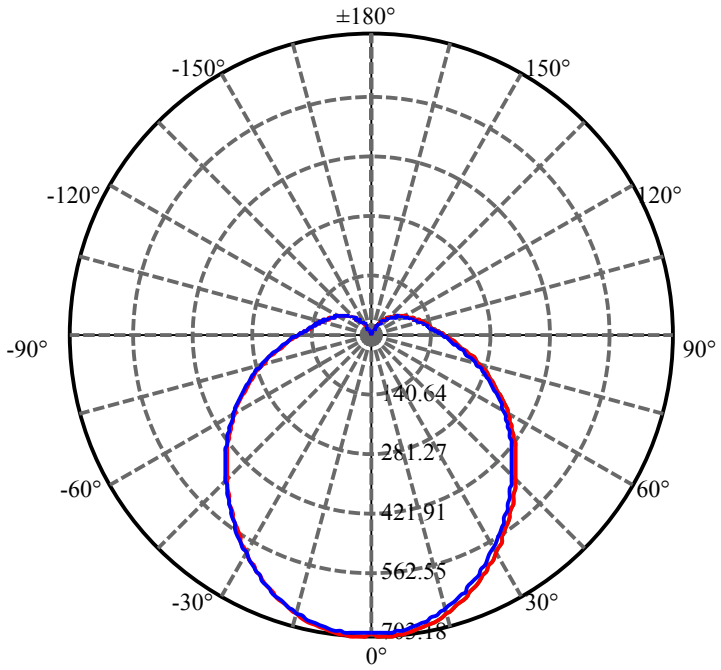
ZONAL LUMEN SUMMARY

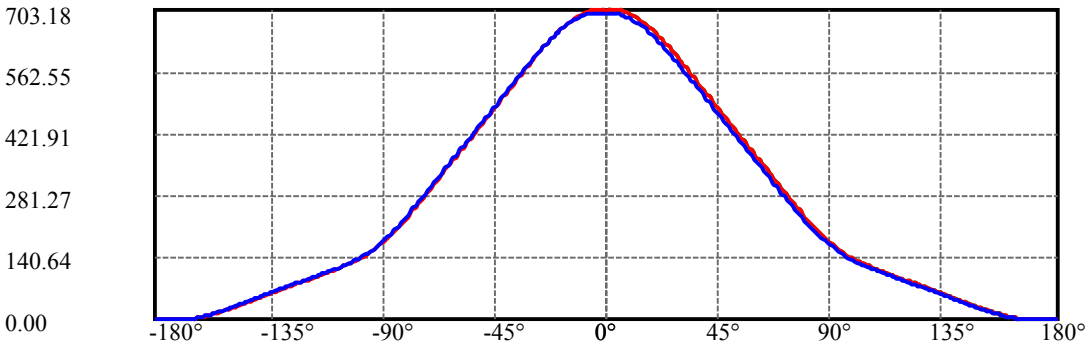
Zone	Lumens	%Fixt
0-30	537.05	18.25%
0-40	878.09	29.83%
0-60	1602.51	54.44%
0-90	2416.59	82.10%
0-120	2801.65	95.18%
0-180	2943.55	100.00%
60-90	848.97	28.84%
90-120	403.84	13.72%
90-130	472.91	16.07%
90-150	537.99	18.28%
90-180	545.74	18.54%
0-86.81	2354.84	80.00%

ZONAL LUMEN SUMMARY

0-10	66.12
10-20	188.38
20-30	282.55
30-40	341.03
40-50	365.10
50-60	359.32
60-70	327.15
70-80	273.72
80-90	213.21
90-100	162.32
100-110	126.25
110-120	96.49
120-130	69.07
130-140	43.44
140-150	21.63
150-160	7.04
160-170	0.64
170-180	0.07

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:129.0 Right:129.0
:C90/270Left:129.4 Right:127.5

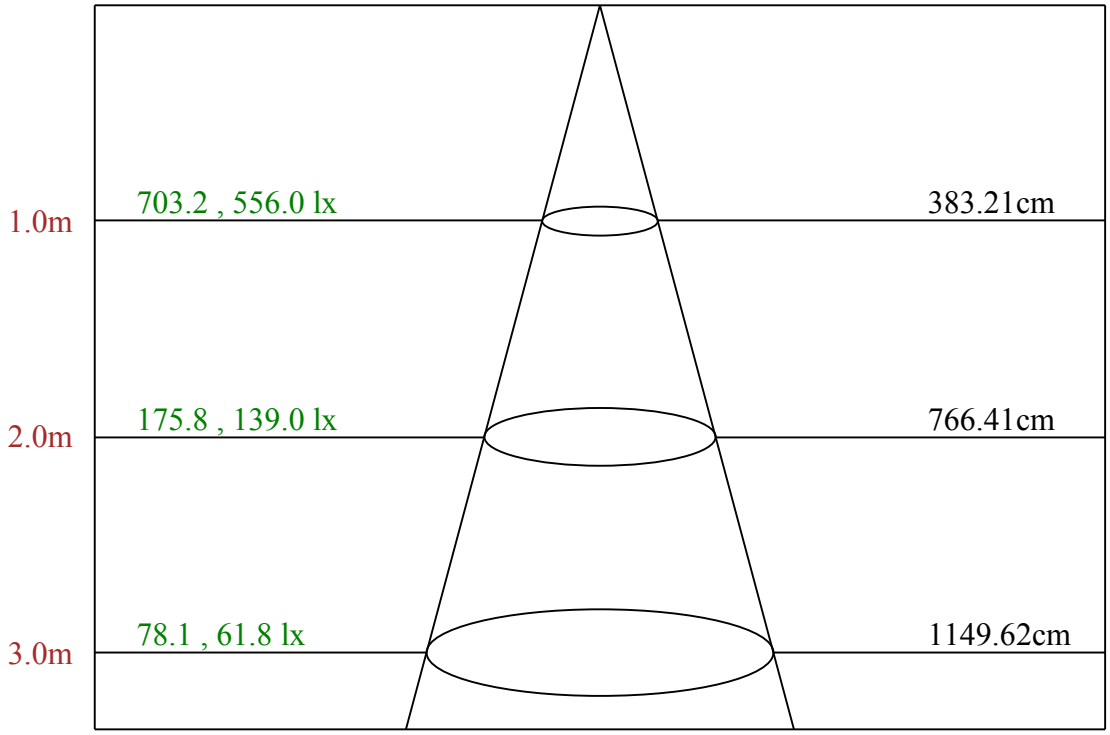
Beam Angle(50%Imax):C0/180Left:63.0 Right:63.0
:C90/270Left:63.5 Right:61.4

Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

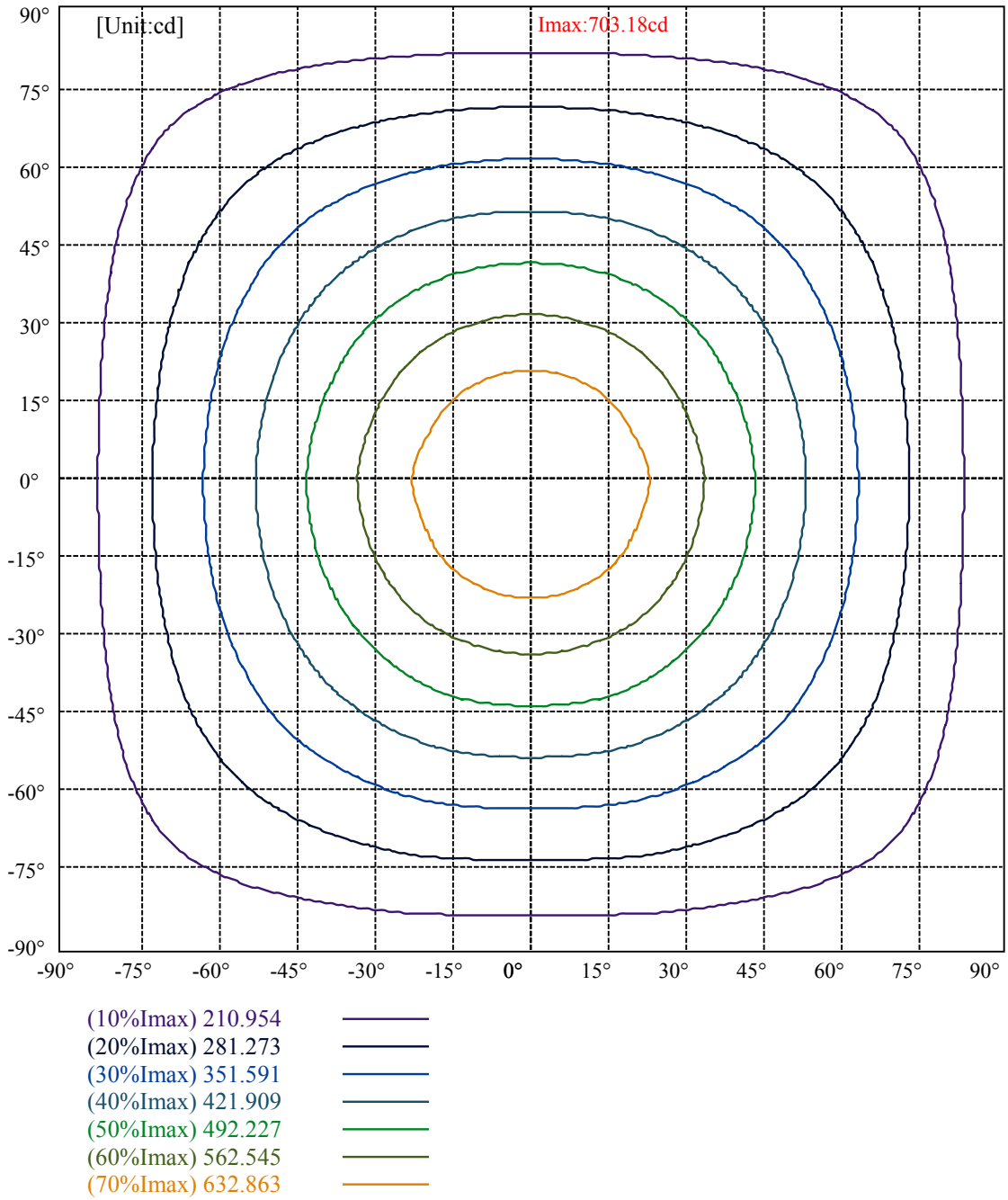
Lux distance Curve



Max , Ave

Beam angle of C0plane124.88

ISO-Intensity(V-H)



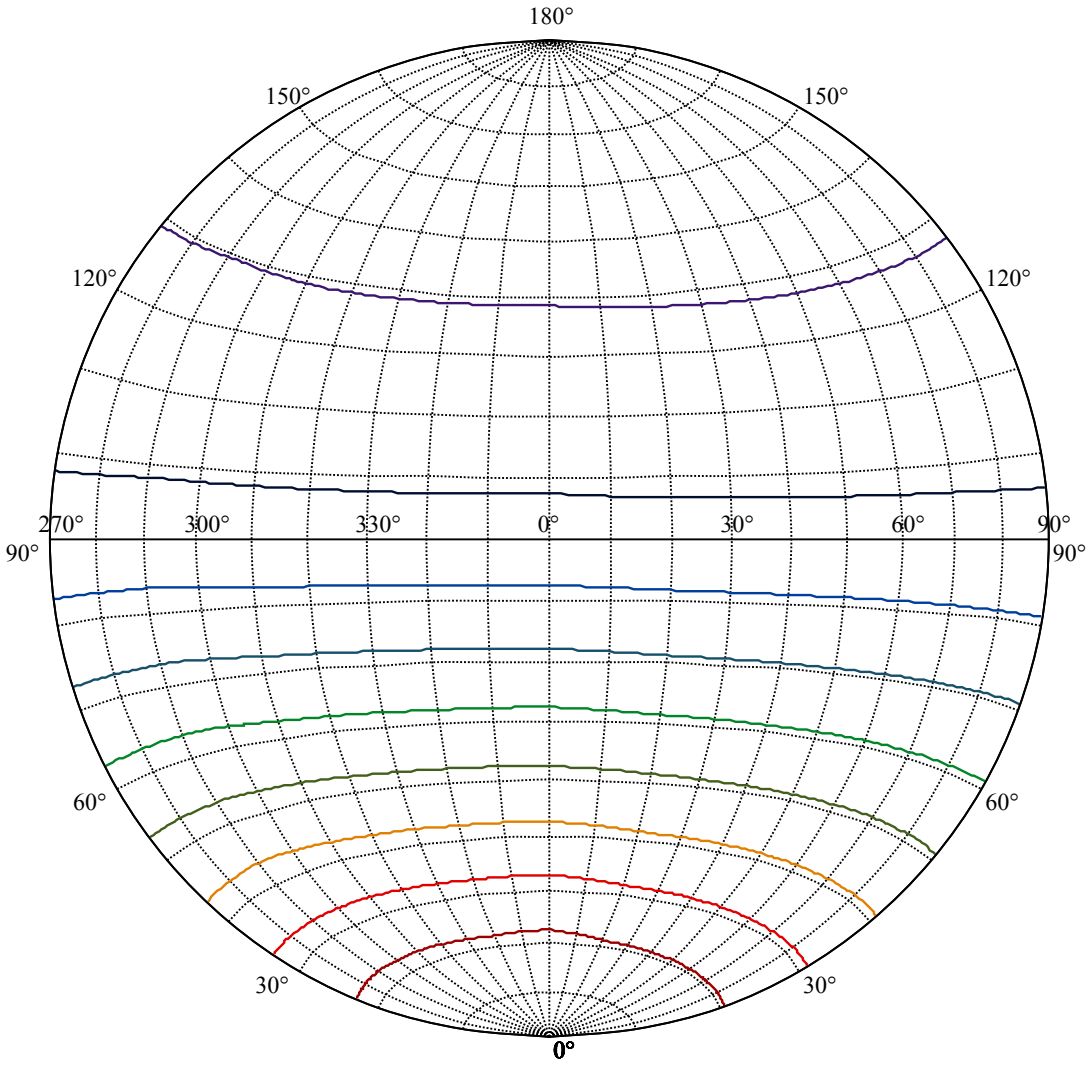
(10%Imax) 210.954
(20%Imax) 281.273
(30%Imax) 351.591
(40%Imax) 421.909
(50%Imax) 492.227
(60%Imax) 562.545
(70%Imax) 632.863

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:703.18

(10%Imax) 70.3182
(20%Imax) 140.636
(30%Imax) 210.954
(40%Imax) 281.273
(50%Imax) 351.591
(60%Imax) 421.909
(70%Imax) 492.227
(80%Imax) 562.545
(90%Imax) 632.863

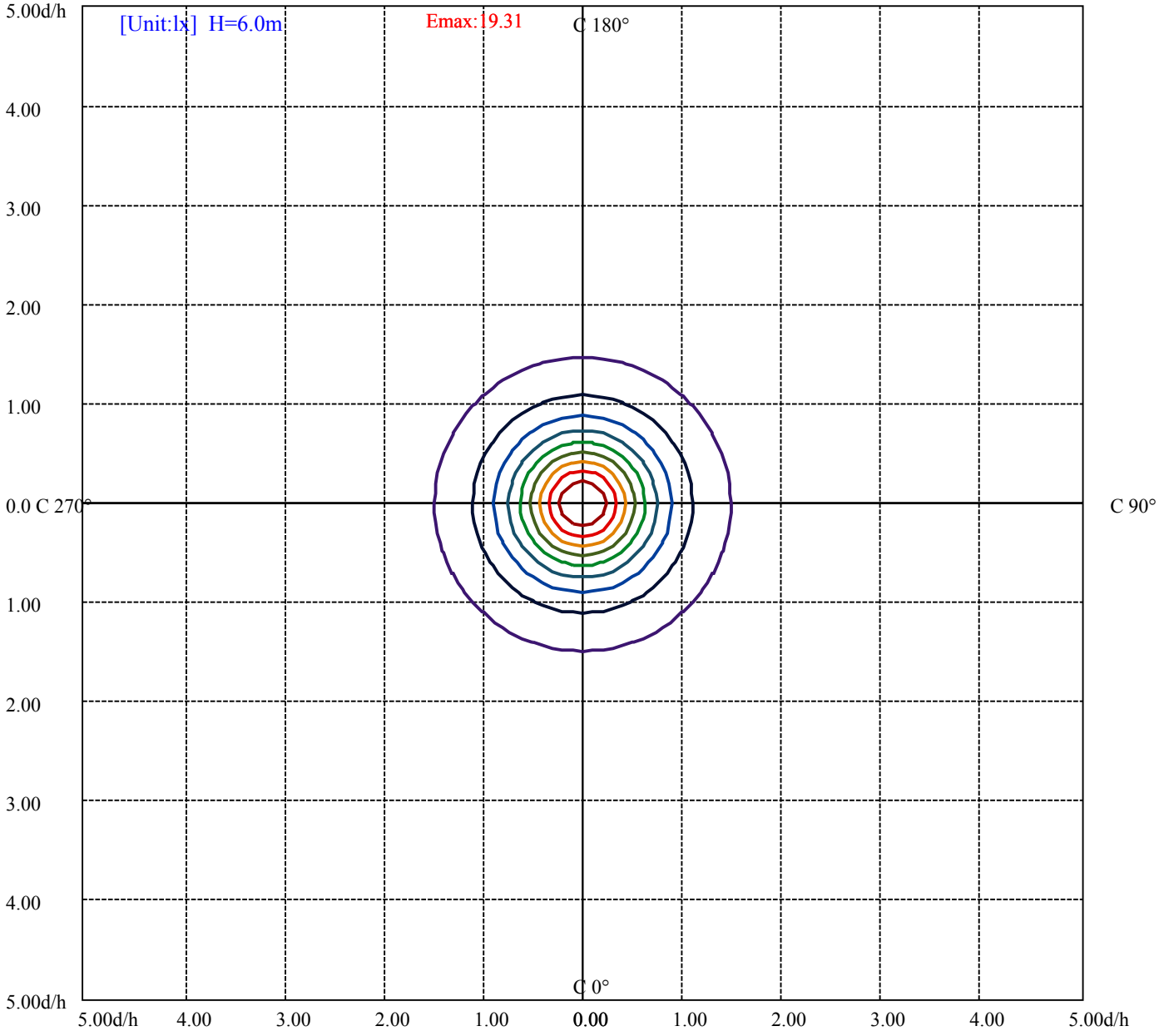
Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

TY-BUR-30

ISO illuminance diagram



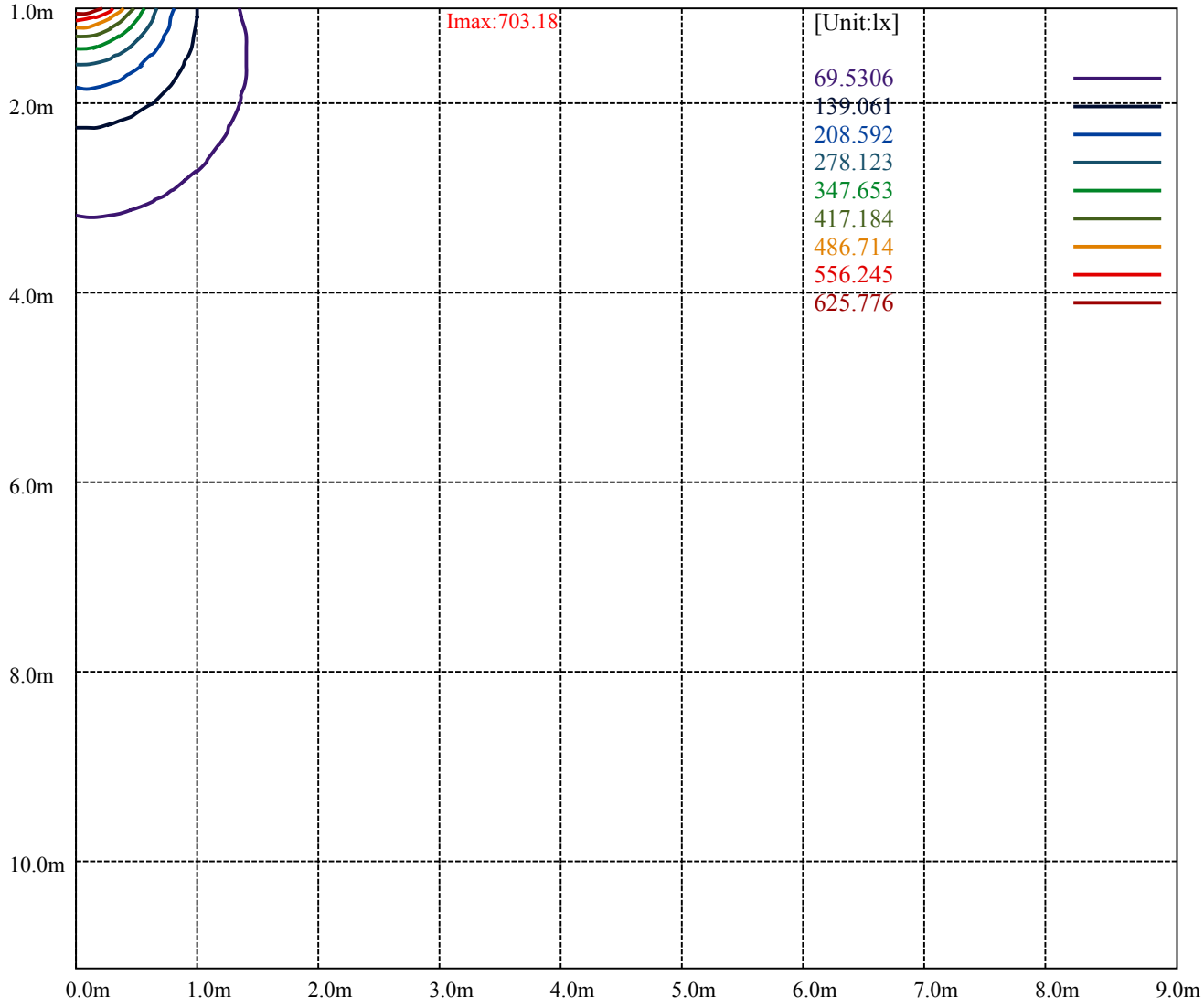
(10%Emax) 1.931406
(20%Emax) 3.862806
(30%Emax) 5.794222
(40%Emax) 7.725638
(50%Emax) 9.657028
(60%Emax) 11.58844
(70%Emax) 13.51983
(80%Emax) 15.45125
(90%Emax) 17.38267

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-30

Luminance Limitting Curve(no luminous side)

Luminance Table

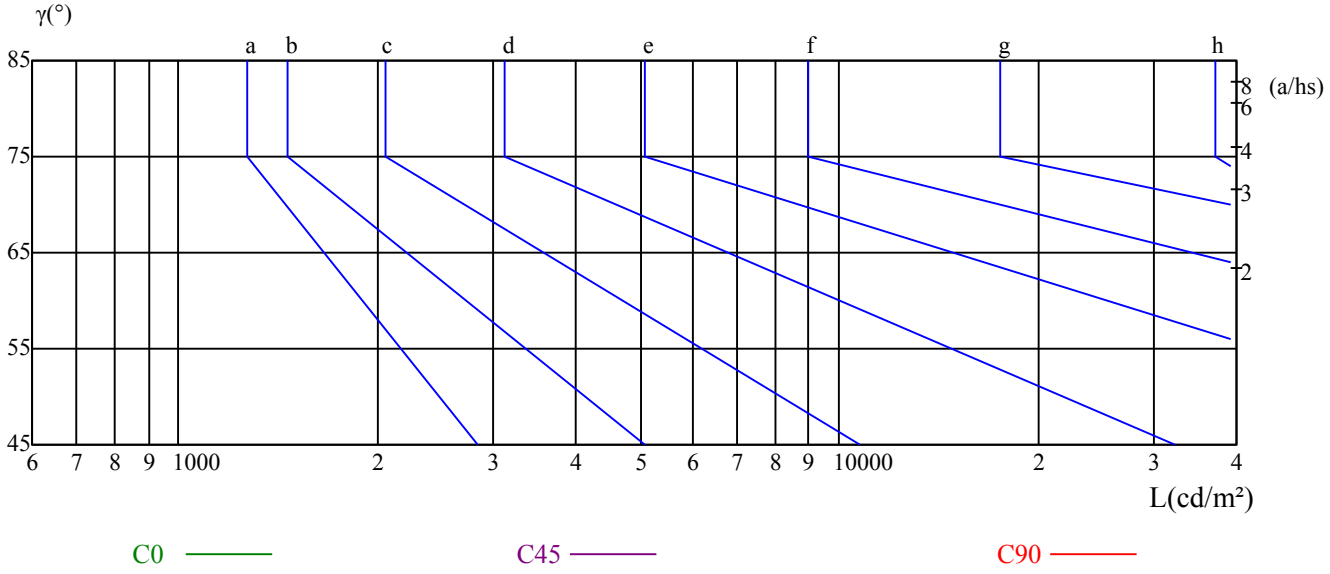
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

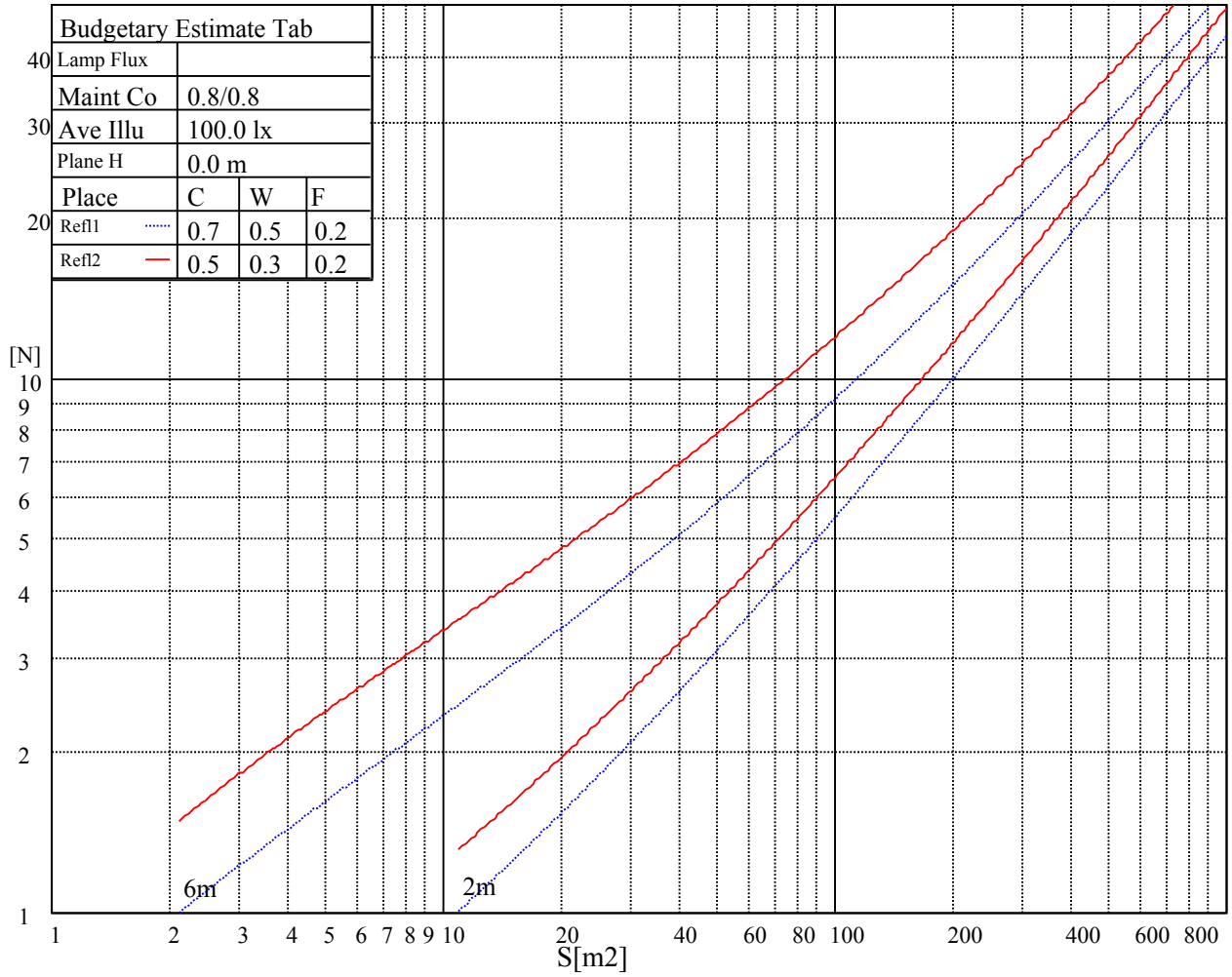


Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

Budgetary Estimate Table



Equipment:
Temperature(°C): 25.3

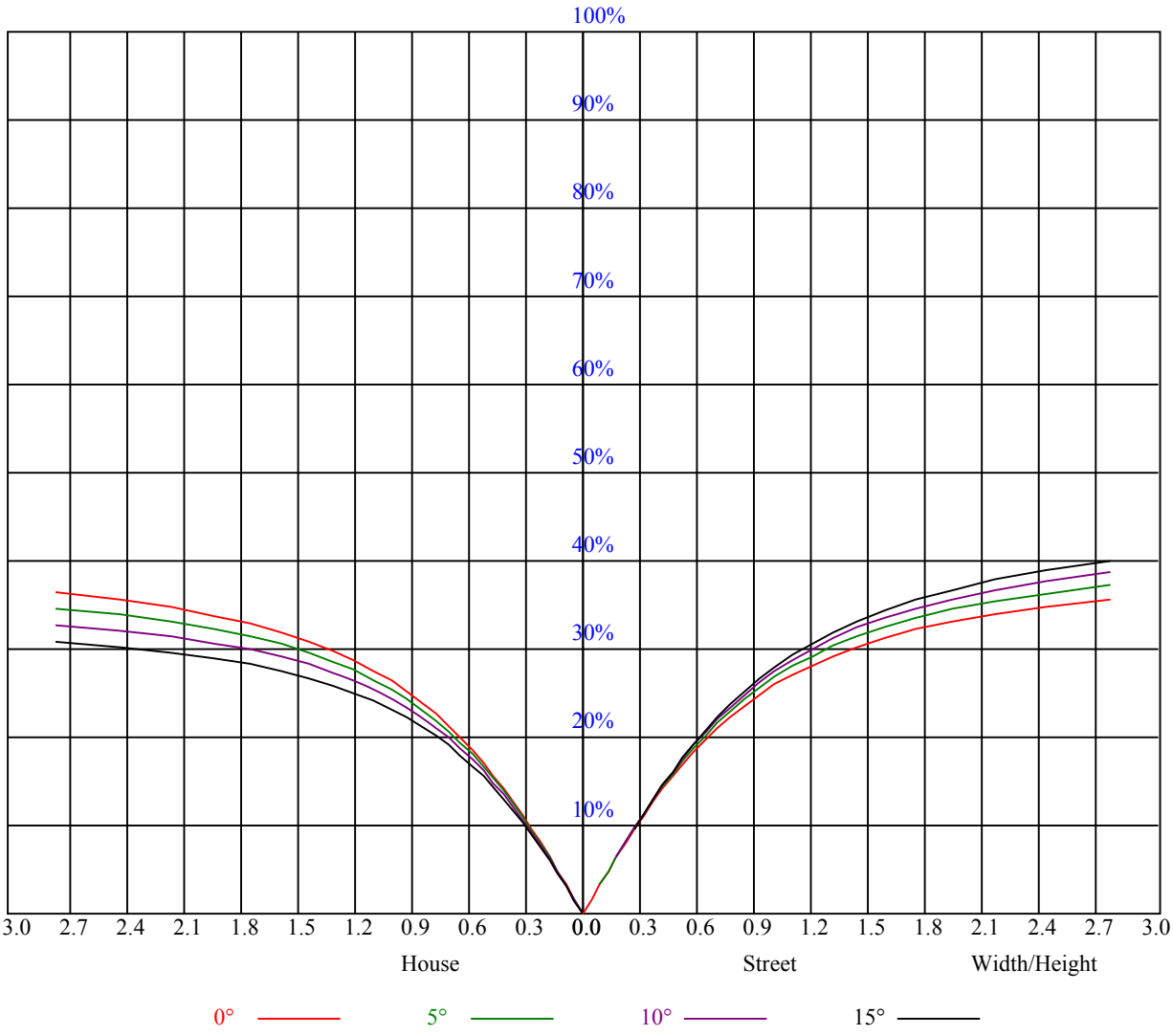
Date: 2018-12-10
Humidity(%): 57.0%

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	0.86	0.86	0.86	0.82
1	0.96	0.91	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	0.63
2	0.82	0.74	0.68	0.79	0.72	0.66	0.72	0.66	0.61	0.66	0.61	0.57	0.61	0.57	0.53	0.50
3	0.71	0.62	0.55	0.68	0.60	0.54	0.63	0.56	0.50	0.58	0.52	0.47	0.53	0.48	0.44	0.41
4	0.63	0.53	0.46	0.60	0.52	0.45	0.55	0.48	0.42	0.51	0.45	0.40	0.47	0.42	0.38	0.35
5	0.56	0.46	0.39	0.54	0.45	0.38	0.49	0.42	0.36	0.46	0.39	0.34	0.42	0.37	0.32	0.30
6	0.50	0.41	0.34	0.48	0.39	0.33	0.44	0.37	0.32	0.41	0.35	0.30	0.38	0.32	0.28	0.26
7	0.45	0.36	0.30	0.44	0.35	0.29	0.40	0.33	0.28	0.37	0.31	0.26	0.35	0.29	0.25	0.23
8	0.41	0.32	0.26	0.40	0.32	0.26	0.37	0.30	0.25	0.34	0.28	0.23	0.32	0.26	0.22	0.20
9	0.38	0.29	0.24	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	0.35	0.27	0.21	0.33	0.26	0.21	0.31	0.25	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	695.31	702.77	702.97	703.18	702.77	702.35	701.11	699.87	697.79
22.5	695.31	695.72	695.93	695.93	695.51	694.48	693.44	691.58	689.30
45.0	695.31	695.51	695.93	695.51	694.89	693.86	692.40	690.75	688.47
67.5	695.31	695.72	695.93	695.51	694.89	693.86	692.40	690.33	688.26
90.0	695.31	695.31	695.10	694.89	694.48	693.23	691.99	689.71	687.22
112.5	695.31	695.72	695.93	695.51	694.89	693.86	692.40	690.33	688.26
135.0	695.31	695.51	695.93	695.51	694.89	693.86	692.40	690.75	688.47
157.5	695.31	695.72	695.93	695.93	695.51	694.48	693.44	691.58	689.30
180.0	695.31	702.77	702.97	703.18	702.77	702.35	701.11	699.87	697.79
202.5	695.31	695.72	695.93	696.34	696.14	695.93	695.10	693.65	691.78
225.0	695.31	695.31	695.51	696.14	696.14	695.72	695.10	693.86	692.40
247.5	695.31	695.10	695.72	696.14	696.14	696.14	695.31	694.27	693.23
270.0	695.31	694.68	695.31	695.51	695.72	695.72	695.31	694.27	693.03
292.5	695.31	695.10	695.72	696.14	696.14	696.14	695.31	694.27	693.23
315.0	695.31	695.31	695.51	696.14	696.14	695.72	695.10	693.86	692.40
337.5	695.31	695.72	695.93	696.34	696.14	695.93	695.10	693.65	691.78
360.0	695.31	702.77	702.97	703.18	702.77	702.35	701.11	699.87	697.79

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	695.10	692.20	689.09	686.19	682.66	678.11	673.75	669.61	665.05
22.5	687.02	683.70	680.59	677.07	673.55	668.99	665.05	661.11	655.10
45.0	685.57	682.46	679.56	676.03	671.89	667.54	663.18	658.83	653.86
67.5	685.36	682.04	678.73	675.41	671.47	666.71	662.35	657.80	652.20
90.0	684.53	681.63	678.11	674.58	670.64	666.50	662.35	657.80	651.99
112.5	685.36	682.04	678.73	675.41	671.47	666.71	662.35	657.80	652.20
135.0	685.57	682.46	679.56	676.03	671.89	667.54	663.18	658.83	653.86
157.5	687.02	683.70	680.59	677.07	673.55	668.99	665.05	661.11	655.10
180.0	695.10	692.20	689.09	686.19	682.66	678.11	673.75	669.61	665.05
202.5	689.71	687.43	684.12	681.01	677.69	673.96	670.02	665.26	660.49
225.0	690.13	687.64	685.15	682.04	678.93	674.79	671.06	666.71	662.35
247.5	690.95	688.67	686.19	681.84	679.56	675.62	671.89	668.16	663.39
270.0	690.75	688.26	685.98	683.08	680.18	675.41	672.09	667.95	663.81
292.5	690.95	688.67	686.19	681.84	679.56	675.62	671.89	668.16	663.39
315.0	690.13	687.64	685.15	682.04	678.93	674.79	671.06	666.71	662.35
337.5	689.71	687.43	684.12	681.01	677.69	673.96	670.02	665.26	660.49
360.0	695.10	692.20	689.09	686.19	682.66	678.11	673.75	669.61	665.05

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	659.25	653.86	649.30	642.87	636.66	631.06	624.43	618.63	611.79
22.5	650.13	645.36	639.35	633.55	628.16	621.11	614.69	608.47	602.25
45.0	648.68	642.67	637.49	631.47	625.67	619.66	613.65	606.61	599.14
67.5	647.43	641.63	636.24	630.85	624.64	617.38	611.16	605.15	598.94
90.0	647.02	641.84	636.66	629.20	623.39	617.80	611.37	604.33	597.90
112.5	647.43	641.63	636.24	630.85	624.64	617.38	611.16	605.15	598.94
135.0	648.68	642.67	637.49	631.47	625.67	619.66	613.65	606.61	599.14
157.5	650.13	645.36	639.35	633.55	628.16	621.11	614.69	608.47	602.25
180.0	659.25	653.86	649.30	642.87	636.66	631.06	624.43	618.63	611.79
202.5	655.72	650.96	645.98	638.94	633.55	627.74	622.15	616.14	608.89
225.0	656.97	652.41	647.43	641.63	636.24	629.61	624.22	618.42	611.58
247.5	658.21	653.44	648.47	643.08	637.69	631.68	625.67	619.87	613.24
270.0	659.25	652.61	648.68	643.70	638.73	631.06	625.67	619.66	612.62
292.5	658.21	653.44	648.47	643.08	637.69	631.68	625.67	619.87	613.24
315.0	656.97	652.41	647.43	641.63	636.24	629.61	624.22	618.42	611.58
337.5	655.72	650.96	645.98	638.94	633.55	627.74	622.15	616.14	608.89
360.0	659.25	653.86	649.30	642.87	636.66	631.06	624.43	618.63	611.79

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	604.95	597.90	591.48	585.05	577.38	570.55	563.29	555.83	549.20
22.5	595.41	588.58	580.91	575.10	568.47	560.80	553.34	546.71	539.87
45.0	592.72	585.88	579.87	572.20	565.57	558.94	552.31	543.60	537.18
67.5	592.10	585.05	578.42	572.00	564.33	556.66	550.44	543.81	535.73
90.0	591.68	585.47	576.76	570.13	563.50	556.87	550.24	542.15	535.73
112.5	592.10	585.05	578.42	572.00	564.33	556.66	550.44	543.81	535.73
135.0	592.72	585.88	579.87	572.20	565.57	558.94	552.31	543.60	537.18
157.5	595.41	588.58	580.91	575.10	568.47	560.80	553.34	546.71	539.87
180.0	604.95	597.90	591.48	585.05	577.38	570.55	563.29	555.83	549.20
202.5	602.88	596.66	590.23	581.74	575.31	568.68	561.43	554.17	547.33
225.0	604.74	598.52	591.68	584.64	577.59	571.17	564.12	557.28	550.03
247.5	606.61	600.39	593.76	586.30	579.87	573.24	565.57	558.32	551.48
270.0	606.61	600.39	594.17	586.30	579.25	572.62	565.78	559.35	551.48
292.5	606.61	600.39	593.76	586.30	579.87	573.24	565.57	558.32	551.48
315.0	604.74	598.52	591.68	584.64	577.59	571.17	564.12	557.28	550.03
337.5	602.88	596.66	590.23	581.74	575.31	568.68	561.43	554.17	547.33
360.0	604.95	597.90	591.48	585.05	577.38	570.55	563.29	555.83	549.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	542.36	534.28	526.19	519.98	512.93	505.47	497.39	490.55	483.09
22.5	531.79	525.16	518.32	511.48	502.57	495.52	488.89	482.05	475.42
45.0	530.34	523.50	516.04	508.16	500.70	493.86	487.65	479.15	472.52
67.5	528.47	521.84	513.76	506.30	499.46	492.62	485.78	477.28	471.07
90.0	528.68	522.05	515.21	505.88	499.05	492.21	484.54	477.70	471.07
112.5	528.47	521.84	513.76	506.30	499.46	492.62	485.78	477.28	471.07
135.0	530.34	523.50	516.04	508.16	500.70	493.86	487.65	479.15	472.52
157.5	531.79	525.16	518.32	511.48	502.57	495.52	488.89	482.05	475.42
180.0	542.36	534.28	526.19	519.98	512.93	505.47	497.39	490.55	483.09
202.5	540.08	533.45	526.61	518.53	511.07	504.23	496.97	489.93	482.05
225.0	543.19	535.94	529.10	521.01	513.55	506.92	498.84	492.21	484.75
247.5	547.75	540.49	533.45	526.61	519.36	511.27	504.43	497.59	490.13
270.0	544.64	536.97	530.13	523.09	515.00	508.37	501.53	494.49	486.61
292.5	547.75	540.49	533.45	526.61	519.36	511.27	504.43	497.59	490.13
315.0	543.19	535.94	529.10	521.01	513.55	506.92	498.84	492.21	484.75
337.5	540.08	533.45	526.61	518.53	511.07	504.23	496.97	489.93	482.05
360.0	542.36	534.28	526.19	519.98	512.93	505.47	497.39	490.55	483.09

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	476.04	468.17	461.33	454.49	447.65	439.15	432.31	424.85	418.43
22.5	467.34	460.50	453.87	447.03	438.74	431.48	425.27	418.63	410.97
45.0	465.68	458.84	450.34	443.50	436.87	429.20	423.19	415.32	408.07
67.5	463.81	457.18	449.72	442.88	435.63	429.00	422.37	413.87	406.82
90.0	464.23	457.60	448.27	441.85	435.01	427.13	420.71	413.66	407.03
112.5	463.81	457.18	449.72	442.88	435.63	429.00	422.37	413.87	406.82
135.0	465.68	458.84	450.34	443.50	436.87	429.20	423.19	415.32	408.07
157.5	467.34	460.50	453.87	447.03	438.74	431.48	425.27	418.63	410.97
180.0	476.04	468.17	461.33	454.49	447.65	439.15	432.31	424.85	418.43
202.5	475.21	468.37	460.91	453.87	445.78	438.94	432.52	425.47	418.01
225.0	475.01	470.45	463.40	455.32	449.31	441.02	434.18	427.34	420.91
247.5	482.05	475.42	468.37	461.74	453.24	446.41	440.40	432.93	424.64
270.0	478.53	471.90	465.06	458.22	450.34	443.50	436.66	430.03	423.40
292.5	482.05	475.42	468.37	461.74	453.24	446.41	440.40	432.93	424.64
315.0	475.01	470.45	463.40	455.32	449.31	441.02	434.18	427.34	420.91
337.5	475.21	468.37	460.91	453.87	445.78	438.94	432.52	425.47	418.01
360.0	476.04	468.17	461.33	454.49	447.65	439.15	432.31	424.85	418.43

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	411.17	405.16	395.84	389.83	382.37	376.15	368.48	361.23	354.39
22.5	403.09	396.87	390.45	382.99	375.94	368.07	361.43	354.80	347.55
45.0	400.81	394.18	387.55	380.92	373.04	365.79	359.16	352.52	344.65
67.5	399.98	393.56	386.30	379.05	372.00	365.17	357.50	351.07	343.82
90.0	400.60	393.77	384.85	378.22	371.38	363.71	357.08	350.45	343.61
112.5	399.98	393.56	386.30	379.05	372.00	365.17	357.50	351.07	343.82
135.0	400.81	394.18	387.55	380.92	373.04	365.79	359.16	352.52	344.65
157.5	403.09	396.87	390.45	382.99	375.94	368.07	361.43	354.80	347.55
180.0	411.17	405.16	395.84	389.83	382.37	376.15	368.48	361.23	354.39
202.5	410.97	403.30	396.67	389.62	382.78	376.15	368.27	361.64	353.77
225.0	412.83	405.58	398.95	392.31	384.44	377.81	370.97	364.34	356.46
247.5	417.81	410.97	404.33	397.50	389.62	382.37	375.73	367.45	360.81
270.0	414.28	407.44	400.60	393.97	387.13	378.22	371.59	364.75	358.12
292.5	417.81	410.97	404.33	397.50	389.62	382.37	375.73	367.45	360.81
315.0	412.83	405.58	398.95	392.31	384.44	377.81	370.97	364.34	356.46
337.5	410.97	403.30	396.67	389.62	382.78	376.15	368.27	361.64	353.77
360.0	411.17	405.16	395.84	389.83	382.37	376.15	368.48	361.23	354.39

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	347.55	340.09	332.21	325.58	317.50	311.07	303.82	296.36	288.90
22.5	340.09	333.25	326.83	317.71	311.49	304.24	297.19	289.94	282.68
45.0	337.19	330.56	323.72	316.46	309.62	301.33	293.87	287.86	279.99
67.5	336.36	329.31	323.09	315.01	307.76	300.92	293.46	286.83	279.37
90.0	335.74	328.90	322.27	314.39	307.55	299.68	292.84	286.00	279.37
112.5	336.36	329.31	323.09	315.01	307.76	300.92	293.46	286.83	279.37
135.0	337.19	330.56	323.72	316.46	309.62	301.33	293.87	287.86	279.99
157.5	340.09	333.25	326.83	317.71	311.49	304.24	297.19	289.94	282.68
180.0	347.55	340.09	332.21	325.58	317.50	311.07	303.82	296.36	288.90
202.5	347.14	339.88	333.25	325.17	318.33	311.07	303.82	296.15	289.52
225.0	348.59	341.95	335.11	327.86	320.61	313.15	306.52	299.68	291.59
247.5	354.18	346.72	340.09	332.84	326.00	317.50	311.90	303.82	296.36
270.0	350.24	344.65	335.74	328.90	322.27	315.22	308.59	299.47	292.63
292.5	354.18	346.72	340.09	332.84	326.00	317.50	311.90	303.82	296.36
315.0	348.59	341.95	335.11	327.86	320.61	313.15	306.52	299.68	291.59
337.5	347.14	339.88	333.25	325.17	318.33	311.07	303.82	296.15	289.52
360.0	347.55	340.09	332.21	325.58	317.50	311.07	303.82	296.36	288.90

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	282.06	274.18	267.55	260.51	253.87	247.24	240.40	232.94	226.52
22.5	275.43	268.59	262.58	254.91	247.45	241.03	234.81	228.59	221.96
45.0	273.15	266.52	259.47	252.84	246.00	239.58	232.53	225.48	219.47
67.5	271.70	265.69	259.06	251.39	244.96	237.71	231.29	225.07	218.44
90.0	271.70	264.86	257.19	250.77	244.34	236.88	230.66	224.65	218.64
112.5	271.70	265.69	259.06	251.39	244.96	237.71	231.29	225.07	218.44
135.0	273.15	266.52	259.47	252.84	246.00	239.58	232.53	225.48	219.47
157.5	275.43	268.59	262.58	254.91	247.45	241.03	234.81	228.59	221.96
180.0	282.06	274.18	267.55	260.51	253.87	247.24	240.40	232.94	226.52
202.5	282.68	276.05	267.14	260.92	254.50	248.07	239.99	233.77	227.55
225.0	284.75	276.88	270.25	263.62	256.98	248.69	242.27	235.84	229.21
247.5	289.52	282.89	274.81	267.76	261.13	253.25	246.83	239.78	233.98
270.0	285.79	279.16	271.08	264.44	257.81	251.39	243.93	236.26	230.04
292.5	289.52	282.89	274.81	267.76	261.13	253.25	246.83	239.78	233.98
315.0	284.75	276.88	270.25	263.62	256.98	248.69	242.27	235.84	229.21
337.5	282.68	276.05	267.14	260.92	254.50	248.07	239.99	233.77	227.55
360.0	282.06	274.18	267.55	260.51	253.87	247.24	240.40	232.94	226.52

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	220.09	213.67	207.87	202.27	196.26	190.87	185.48	179.68	174.91
22.5	215.33	209.32	203.93	197.50	192.53	186.31	181.34	176.16	171.18
45.0	213.88	206.83	201.23	195.64	190.04	184.86	179.47	174.71	170.15
67.5	212.01	206.42	200.82	194.40	188.80	183.62	178.65	173.88	169.32
90.0	210.77	204.97	199.58	193.98	189.01	183.62	178.65	173.05	168.70
112.5	212.01	206.42	200.82	194.40	188.80	183.62	178.65	173.88	169.32
135.0	213.88	206.83	201.23	195.64	190.04	184.86	179.47	174.71	170.15
157.5	215.33	209.32	203.93	197.50	192.53	186.31	181.34	176.16	171.18
180.0	220.09	213.67	207.87	202.27	196.26	190.87	185.48	179.68	174.91
202.5	221.54	214.91	208.28	202.69	197.09	190.46	185.28	180.30	174.71
225.0	222.17	215.53	209.73	203.72	197.71	192.32	187.14	181.96	176.16
247.5	226.73	219.68	213.67	208.07	201.86	196.26	190.67	184.66	179.68
270.0	223.82	217.81	211.80	205.17	199.58	193.36	187.35	182.17	177.40
292.5	226.73	219.68	213.67	208.07	201.86	196.26	190.67	184.66	179.68
315.0	222.17	215.53	209.73	203.72	197.71	192.32	187.14	181.96	176.16
337.5	221.54	214.91	208.28	202.69	197.09	190.46	185.28	180.30	174.71
360.0	220.09	213.67	207.87	202.27	196.26	190.87	185.48	179.68	174.91

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	170.15	165.80	161.65	156.26	152.53	149.22	145.49	141.34	139.89
22.5	166.62	162.48	157.71	153.15	149.84	145.69	142.58	139.06	135.95
45.0	165.38	161.03	156.68	152.95	148.59	144.86	141.55	138.44	134.92
67.5	165.17	160.82	155.43	151.70	147.56	144.45	141.55	137.40	134.50
90.0	164.35	159.99	155.43	151.70	148.18	143.41	140.30	137.40	134.50
112.5	165.17	160.82	155.43	151.70	147.56	144.45	141.55	137.40	134.50
135.0	165.38	161.03	156.68	152.95	148.59	144.86	141.55	138.44	134.92
157.5	166.62	162.48	157.71	153.15	149.84	145.69	142.58	139.06	135.95
180.0	170.15	165.80	161.65	156.26	152.53	149.22	145.49	141.34	139.89
202.5	169.94	165.80	161.44	156.47	152.74	149.22	145.90	141.76	138.65
225.0	170.77	167.04	162.48	157.71	153.78	150.05	146.31	142.79	139.68
247.5	174.09	169.53	165.17	160.61	156.26	152.53	149.01	145.07	141.34
270.0	172.43	167.45	163.10	158.75	153.78	150.05	146.52	143.41	140.10
292.5	174.09	169.53	165.17	160.61	156.26	152.53	149.01	145.07	141.34
315.0	170.77	167.04	162.48	157.71	153.78	150.05	146.31	142.79	139.68
337.5	169.94	165.80	161.44	156.47	152.74	149.22	145.90	141.76	138.65
360.0	170.15	165.80	161.65	156.26	152.53	149.22	145.49	141.34	139.89

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	135.75	132.84	130.36	127.25	124.76	122.48	120.20	117.51	115.23
22.5	132.64	130.36	127.46	124.97	122.27	119.99	117.51	115.44	113.16
45.0	132.02	129.32	126.83	123.93	121.45	119.17	117.09	114.61	112.12
67.5	131.60	128.70	126.21	123.73	121.45	118.96	116.26	114.19	111.91
90.0	131.19	128.70	126.00	123.73	120.41	118.54	116.47	114.40	111.91
112.5	131.60	128.70	126.21	123.73	121.45	118.96	116.26	114.19	111.91
135.0	132.02	129.32	126.83	123.93	121.45	119.17	117.09	114.61	112.12
157.5	132.64	130.36	127.46	124.97	122.27	119.99	117.51	115.44	113.16
180.0	135.75	132.84	130.36	127.25	124.76	122.48	120.20	117.51	115.23
202.5	135.54	133.05	129.94	127.46	124.97	122.48	119.58	117.51	115.23
225.0	136.78	132.84	130.36	127.87	125.38	123.10	120.20	118.13	115.85
247.5	138.44	135.12	132.43	129.74	127.25	124.76	121.86	119.58	117.30
270.0	136.78	133.88	131.19	128.70	125.59	123.10	120.82	118.75	115.64
292.5	138.44	135.12	132.43	129.74	127.25	124.76	121.86	119.58	117.30
315.0	136.78	132.84	130.36	127.87	125.38	123.10	120.20	118.13	115.85
337.5	135.54	133.05	129.94	127.46	124.97	122.48	119.58	117.51	115.23
360.0	135.75	132.84	130.36	127.25	124.76	122.48	120.20	117.51	115.23

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	112.95	111.08	108.80	106.11	104.24	101.76	99.68	98.03	95.33
22.5	110.88	108.39	106.32	104.04	101.76	99.89	97.82	95.54	93.47
45.0	110.25	108.18	105.49	103.42	101.34	99.27	97.20	95.13	93.05
67.5	109.84	107.35	105.49	103.21	101.14	99.06	96.99	94.71	92.85
90.0	109.84	107.15	105.07	102.79	100.72	98.86	96.78	94.30	92.64
112.5	109.84	107.35	105.49	103.21	101.14	99.06	96.99	94.71	92.85
135.0	110.25	108.18	105.49	103.42	101.34	99.27	97.20	95.13	93.05
157.5	110.88	108.39	106.32	104.04	101.76	99.89	97.82	95.54	93.47
180.0	112.95	111.08	108.80	106.11	104.24	101.76	99.68	98.03	95.33
202.5	113.16	110.46	108.39	106.32	104.45	101.76	99.89	97.82	95.75
225.0	113.78	111.29	109.22	106.94	104.87	102.59	100.31	98.23	96.37
247.5	115.02	112.95	110.46	108.60	106.11	104.04	101.96	99.89	97.61
270.0	113.98	111.70	109.84	107.15	105.07	103.00	100.93	98.65	96.78
292.5	115.02	112.95	110.46	108.60	106.11	104.04	101.96	99.89	97.61
315.0	113.78	111.29	109.22	106.94	104.87	102.59	100.31	98.23	96.37
337.5	113.16	110.46	108.39	106.32	104.45	101.76	99.89	97.82	95.75
360.0	112.95	111.08	108.80	106.11	104.24	101.76	99.68	98.03	95.33

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	93.47	91.39	89.53	87.66	85.38	83.31	81.24	79.37	77.30
22.5	91.81	89.53	87.66	85.38	83.31	81.65	79.79	77.92	75.85
45.0	90.98	89.32	86.84	84.97	83.11	81.03	78.96	77.30	75.23
67.5	90.57	88.70	86.63	84.76	82.48	80.83	78.75	76.89	75.02
90.0	90.36	88.49	86.42	84.56	82.48	80.62	78.75	76.27	74.61
112.5	90.57	88.70	86.63	84.76	82.48	80.83	78.75	76.89	75.02
135.0	90.98	89.32	86.84	84.97	83.11	81.03	78.96	77.30	75.23
157.5	91.81	89.53	87.66	85.38	83.31	81.65	79.79	77.92	75.85
180.0	93.47	91.39	89.53	87.66	85.38	83.31	81.24	79.37	77.30
202.5	93.88	91.81	89.74	87.66	85.38	83.52	81.45	79.58	77.51
225.0	94.30	92.22	90.15	87.87	86.01	84.35	82.07	80.20	77.92
247.5	95.54	93.47	91.19	89.53	87.46	85.59	83.31	81.24	79.37
270.0	94.92	92.85	90.36	88.49	86.42	84.76	82.28	80.83	78.34
292.5	95.54	93.47	91.19	89.53	87.46	85.59	83.31	81.24	79.37
315.0	94.30	92.22	90.15	87.87	86.01	84.35	82.07	80.20	77.92
337.5	93.88	91.81	89.74	87.66	85.38	83.52	81.45	79.58	77.51
360.0	93.47	91.39	89.53	87.66	85.38	83.31	81.24	79.37	77.30

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	75.23	73.36	71.50	69.63	67.15	65.07	63.00	60.72	58.44
22.5	73.99	71.91	70.05	67.56	65.70	63.62	61.55	59.06	56.79
45.0	73.16	70.88	69.22	67.15	65.07	63.00	60.72	58.65	56.37
67.5	72.74	70.88	68.81	66.73	64.87	62.80	61.34	58.44	55.75
90.0	72.54	70.67	68.39	66.53	64.66	62.59	60.10	58.03	55.54
112.5	72.74	70.88	68.81	66.73	64.87	62.80	61.34	58.44	55.75
135.0	73.16	70.88	69.22	67.15	65.07	63.00	60.72	58.65	56.37
157.5	73.99	71.91	70.05	67.56	65.70	63.62	61.55	59.06	56.79
180.0	75.23	73.36	71.50	69.63	67.15	65.07	63.00	60.72	58.44
202.5	75.64	73.57	71.50	69.43	67.56	65.07	63.00	60.93	58.24
225.0	76.27	74.19	71.91	69.63	67.77	65.70	63.83	61.55	59.06
247.5	77.51	73.99	72.74	71.50	69.43	67.15	65.07	62.80	60.72
270.0	76.47	74.40	72.54	70.26	68.39	66.32	64.25	62.38	59.48
292.5	77.51	73.99	72.74	71.50	69.43	67.15	65.07	62.80	60.72
315.0	76.27	74.19	71.91	69.63	67.77	65.70	63.83	61.55	59.06
337.5	75.64	73.57	71.50	69.43	67.56	65.07	63.00	60.93	58.24
360.0	75.23	73.36	71.50	69.63	67.15	65.07	63.00	60.72	58.44

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	55.96	53.88	51.60	49.32	47.25	44.76	42.69	40.62	38.55
22.5	54.92	52.64	50.57	48.29	46.01	43.94	41.66	39.58	37.30
45.0	54.09	51.81	49.95	47.87	45.39	43.11	40.83	38.75	36.89
67.5	53.68	51.60	49.53	47.46	45.18	42.90	40.83	38.75	36.27
90.0	53.47	51.40	49.53	47.46	44.56	42.49	40.62	38.34	36.27
112.5	53.68	51.60	49.53	47.46	45.18	42.90	40.83	38.75	36.27
135.0	54.09	51.81	49.95	47.87	45.39	43.11	40.83	38.75	36.89
157.5	54.92	52.64	50.57	48.29	46.01	43.94	41.66	39.58	37.30
180.0	55.96	53.88	51.60	49.32	47.25	44.76	42.69	40.62	38.55
202.5	56.16	54.09	52.02	49.32	47.25	45.18	43.11	40.41	38.55
225.0	56.79	54.51	52.23	50.15	48.08	46.01	43.52	41.03	38.96
247.5	58.24	56.16	53.88	51.60	49.53	47.46	44.97	42.69	41.03
270.0	57.41	55.13	53.05	50.98	48.91	46.22	43.94	42.07	39.58
292.5	58.24	56.16	53.88	51.60	49.53	47.46	44.97	42.69	41.03
315.0	56.79	54.51	52.23	50.15	48.08	46.01	43.52	41.03	38.96
337.5	56.16	54.09	52.02	49.32	47.25	45.18	43.11	40.41	38.55
360.0	55.96	53.88	51.60	49.32	47.25	44.76	42.69	40.62	38.55

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	36.48	33.78	31.92	30.05	27.56	25.70	23.83	21.97	19.90
22.5	35.44	33.16	31.09	29.01	27.15	24.66	23.00	21.14	19.27
45.0	34.82	32.33	30.26	28.39	26.32	24.45	22.59	20.52	18.86
67.5	34.20	32.12	30.05	27.98	26.11	24.25	22.38	20.31	18.44
90.0	34.20	32.12	30.26	27.56	25.70	23.83	21.76	20.10	18.24
112.5	34.20	32.12	30.05	27.98	26.11	24.25	22.38	20.31	18.44
135.0	34.82	32.33	30.26	28.39	26.32	24.45	22.59	20.52	18.86
157.5	35.44	33.16	31.09	29.01	27.15	24.66	23.00	21.14	19.27
180.0	36.48	33.78	31.92	30.05	27.56	25.70	23.83	21.97	19.90
202.5	36.27	34.40	32.12	30.26	27.98	25.91	23.83	21.97	20.10
225.0	37.10	34.82	32.74	30.46	28.81	26.73	24.66	22.59	20.72
247.5	38.96	36.68	34.40	32.12	30.26	28.19	25.91	24.25	21.97
270.0	37.93	35.02	33.37	31.29	29.43	27.36	24.87	23.00	21.14
292.5	38.96	36.68	34.40	32.12	30.26	28.19	25.91	24.25	21.97
315.0	37.10	34.82	32.74	30.46	28.81	26.73	24.66	22.59	20.72
337.5	36.27	34.40	32.12	30.26	27.98	25.91	23.83	21.97	20.10
360.0	36.48	33.78	31.92	30.05	27.56	25.70	23.83	21.97	19.90

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	18.03	16.58	14.71	12.85	10.98	9.53	8.08	6.42	5.18
22.5	17.20	15.75	14.09	12.23	10.36	9.12	7.25	5.60	4.35
45.0	16.79	15.13	13.26	11.61	9.95	8.29	6.84	5.60	3.94
67.5	16.79	15.13	13.06	11.40	9.74	8.29	6.63	5.39	3.73
90.0	16.58	14.51	12.85	11.40	9.74	7.67	6.22	5.18	3.73
112.5	16.79	15.13	13.06	11.40	9.74	8.29	6.63	5.39	3.73
135.0	16.79	15.13	13.26	11.61	9.95	8.29	6.84	5.60	3.94
157.5	17.20	15.75	14.09	12.23	10.36	9.12	7.25	5.60	4.35
180.0	18.03	16.58	14.71	12.85	10.98	9.53	8.08	6.42	5.18
202.5	18.44	16.37	14.71	12.85	11.40	9.74	8.29	6.63	4.97
225.0	18.86	17.20	15.13	13.68	11.81	9.95	8.70	6.84	5.60
247.5	20.31	18.44	16.58	14.92	13.26	11.61	9.74	8.08	6.42
270.0	19.48	17.41	15.75	13.89	12.23	10.78	8.70	7.25	6.01
292.5	20.31	18.44	16.58	14.92	13.26	11.61	9.74	8.08	6.42
315.0	18.86	17.20	15.13	13.68	11.81	9.95	8.70	6.84	5.60
337.5	18.44	16.37	14.71	12.85	11.40	9.74	8.29	6.63	4.97
360.0	18.03	16.58	14.71	12.85	10.98	9.53	8.08	6.42	5.18

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	3.52	2.28	1.24	1.04	0.83	1.04	1.04	0.83	1.04
22.5	3.11	1.87	1.24	0.83	0.83	0.83	0.83	0.83	0.62
45.0	2.69	1.66	0.83	1.04	1.04	1.04	0.83	0.83	1.04
67.5	2.49	1.45	1.04	1.04	1.04	1.04	1.04	0.83	1.04
90.0	2.28	1.45	1.04	1.04	0.83	1.04	1.04	1.04	1.04
112.5	2.49	1.45	1.04	1.04	1.04	1.04	1.04	0.83	1.04
135.0	2.69	1.66	0.83	1.04	1.04	1.04	0.83	0.83	1.04
157.5	3.11	1.87	1.24	0.83	0.83	0.83	0.83	0.83	0.62
180.0	3.52	2.28	1.24	1.04	0.83	1.04	1.04	0.83	1.04
202.5	3.52	2.49	1.24	0.62	0.62	0.62	0.62	0.62	0.83
225.0	4.35	2.69	1.66	0.83	0.62	0.62	0.83	0.62	0.83
247.5	4.97	3.73	2.49	1.66	0.83	0.62	0.62	0.83	0.83
270.0	4.56	3.11	2.07	1.04	0.62	0.62	0.83	0.62	0.62
292.5	4.97	3.73	2.49	1.66	0.83	0.62	0.62	0.83	0.83
315.0	4.35	2.69	1.66	0.83	0.62	0.62	0.83	0.62	0.83
337.5	3.52	2.49	1.24	0.62	0.62	0.62	0.62	0.62	0.83
360.0	3.52	2.28	1.24	1.04	0.83	1.04	1.04	0.83	1.04

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	1.04	0.83	0.83	0.83	1.04	0.83	0.83	0.83	0.83
22.5	0.83	0.83	0.83	0.83	0.62	0.62	0.62	0.62	0.62
45.0	0.83	0.83	0.62	0.83	0.83	0.62	0.83	0.83	0.83
67.5	0.83	1.04	1.04	1.04	1.04	0.83	0.83	0.83	0.83
90.0	0.83	1.04	0.83	0.83	0.62	0.62	0.62	0.62	0.83
112.5	0.83	1.04	1.04	1.04	1.04	0.83	0.83	0.83	0.83
135.0	0.83	0.83	0.62	0.83	0.83	0.62	0.83	0.83	0.83
157.5	0.83	0.83	0.83	0.83	0.62	0.62	0.62	0.62	0.62
180.0	1.04	0.83	0.83	0.83	1.04	0.83	0.83	0.83	0.83
202.5	0.62	0.83	0.62	0.62	0.83	0.62	0.62	0.83	0.62
225.0	0.62	0.62	0.62	0.62	0.62	0.83	0.62	0.83	0.83
247.5	0.83	0.83	0.62	0.62	0.83	0.83	0.83	0.83	0.62
270.0	0.62	0.62	0.62	0.83	0.83	0.83	0.83	0.83	0.83
292.5	0.83	0.83	0.62	0.62	0.83	0.83	0.83	0.83	0.62
315.0	0.62	0.62	0.62	0.62	0.62	0.83	0.62	0.83	0.83
337.5	0.62	0.83	0.62	0.62	0.83	0.62	0.62	0.83	0.62
360.0	1.04	0.83	0.83	0.83	1.04	0.83	0.83	0.83	0.83

C/γ(°)	180.0
0.0	0.83
22.5	0.83
45.0	0.83
67.5	0.83
90.0	0.83
112.5	0.83
135.0	0.83
157.5	0.83
180.0	0.83
202.5	0.83
225.0	0.83
247.5	0.83
270.0	0.83
292.5	0.83
315.0	0.83
337.5	0.83
360.0	0.83