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-50
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): 0.2280
Power (W): 49.1800
PF: 0.9818
Ballast type:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 5065.19
Lumens(lm)/Power(W): 102.99
Central intensity(cd): 1170.311
Maximum intensity(cd): 1191.243
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=129.5
[C90/270]Total=127.6
Field angle(10%Imax): [C0/180]Total=259.3
[C90/270]Total=258.9
Maximum s/h(1/2): C0_180=1.29 C90_270=1.25
Maximum s/h(1/4): C0_180=1.42 C90_270=1.39
Up flux rate of LUM(%): 18.04%
Down flux rate of LUM(%): 81.96%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 54.113%

TY-BUR-50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1170.311	.000	.000	.000%	.000%
1.0	1172.889	1.121	1.121	.022%	.022%
2.0	1173.122	3.367	4.488	.066%	.089%
3.0	1173.381	5.612	10.100	.111%	.199%
4.0	1173.148	7.855	17.955	.155%	.354%
5.0	1172.280	10.090	28.045	.199%	.554%
6.0	1170.674	12.313	40.358	.243%	.797%
7.0	1168.369	14.518	54.876	.287%	1.083%
8.0	1165.571	16.704	71.580	.330%	1.413%
9.0	1161.750	18.862	90.441	.372%	1.786%
10.0	1157.708	20.990	111.432	.414%	2.200%
11.0	1152.877	23.088	134.519	.456%	2.656%
12.0	1147.463	25.146	159.665	.496%	3.152%
13.0	1141.686	27.166	186.832	.536%	3.689%
14.0	1135.469	29.147	215.979	.575%	4.264%
15.0	1128.798	31.085	247.064	.614%	4.878%
16.0	1121.518	32.973	280.037	.651%	5.529%
17.0	1113.863	34.811	314.848	.687%	6.216%
18.0	1105.858	36.598	351.447	.723%	6.938%
19.0	1097.530	38.334	389.781	.757%	7.695%
20.0	1089.240	40.024	429.805	.790%	8.485%
21.0	1079.331	41.641	471.446	.822%	9.308%
22.0	1070.420	43.200	514.646	.853%	10.160%
23.0	1060.796	44.719	559.365	.883%	11.043%
24.0	1051.029	46.172	605.537	.912%	11.955%
25.0	1040.278	47.552	653.089	.939%	12.894%
26.0	1030.046	48.870	701.959	.965%	13.858%
27.0	1019.761	50.149	752.108	.990%	14.849%
28.0	1009.321	51.372	803.480	1.014%	15.863%
29.0	997.767	52.511	855.991	1.037%	16.899%
30.0	987.250	53.595	909.586	1.058%	17.958%
31.0	975.864	54.631	964.217	1.079%	19.036%
32.0	964.712	55.595	1019.812	1.098%	20.134%
33.0	952.653	56.486	1076.298	1.115%	21.249%
34.0	941.371	57.319	1133.617	1.132%	22.381%
35.0	930.192	58.124	1191.740	1.148%	23.528%
36.0	918.496	58.863	1250.603	1.162%	24.690%
37.0	907.732	59.561	1310.164	1.176%	25.866%

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

TY-BUR-50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	895.324	60.184	1370.348	1.188%	27.054%
39.0	883.109	60.703	1431.051	1.198%	28.253%
40.0	871.581	61.197	1492.248	1.208%	29.461%
41.0	860.092	61.664	1553.912	1.217%	30.678%
42.0	848.162	62.064	1615.976	1.225%	31.904%
43.0	836.065	62.389	1678.365	1.232%	33.135%
44.0	824.226	62.664	1741.029	1.237%	34.372%
45.0	812.037	62.883	1803.912	1.241%	35.614%
46.0	800.794	63.074	1866.986	1.245%	36.859%
47.0	788.139	63.196	1930.182	1.248%	38.107%
48.0	776.533	63.252	1993.435	1.249%	39.356%
49.0	764.099	63.267	2056.701	1.249%	40.605%
50.0	752.882	63.248	2119.949	1.249%	41.853%
51.0	740.576	63.186	2183.135	1.247%	43.101%
52.0	728.750	63.050	2246.185	1.245%	44.346%
53.0	717.339	62.905	2309.090	1.242%	45.587%
54.0	705.345	62.706	2371.796	1.238%	46.825%
55.0	693.804	62.456	2434.252	1.233%	48.058%
56.0	681.576	62.150	2496.401	1.227%	49.285%
57.0	670.178	61.805	2558.207	1.220%	50.506%
58.0	657.549	61.399	2619.605	1.212%	51.718%
59.0	645.257	60.907	2680.512	1.202%	52.920%
60.0	633.275	60.402	2740.915	1.192%	54.113%
61.0	621.760	59.893	2800.808	1.182%	55.295%
62.0	608.782	59.295	2860.103	1.171%	56.466%
63.0	596.839	58.636	2918.738	1.158%	57.623%
64.0	584.508	57.968	2976.706	1.144%	58.768%
65.0	572.086	57.239	3033.945	1.130%	59.898%
66.0	559.069	56.437	3090.382	1.114%	61.012%
67.0	547.217	55.627	3146.010	1.098%	62.110%
68.0	534.769	54.810	3200.819	1.082%	63.192%
69.0	522.399	53.932	3254.751	1.065%	64.257%
70.0	509.654	53.004	3307.755	1.046%	65.304%
71.0	497.012	52.030	3359.785	1.027%	66.331%
72.0	484.500	51.036	3410.821	1.008%	67.338%
73.0	472.324	50.035	3460.856	.988%	68.326%
74.0	460.122	49.021	3509.877	.968%	69.294%
75.0	447.986	47.981	3557.858	.947%	70.241%

TY-BUR-50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	436.186	46.935	3604.793	.927%	71.168%
77.0	423.868	45.854	3650.647	.905%	72.073%
78.0	413.156	44.806	3695.454	.885%	72.958%
79.0	401.226	43.756	3739.210	.864%	73.822%
80.0	389.685	42.640	3781.850	.842%	74.664%
81.0	377.976	41.514	3823.364	.820%	75.483%
82.0	367.316	40.416	3863.780	.798%	76.281%
83.0	357.549	39.405	3903.185	.778%	77.059%
84.0	347.381	38.403	3941.588	.758%	77.817%
85.0	337.589	37.384	3978.972	.738%	78.555%
86.0	329.092	36.442	4015.414	.719%	79.275%
87.0	319.597	35.502	4050.915	.701%	79.976%
88.0	310.427	34.512	4085.427	.681%	80.657%
89.0	301.386	33.534	4118.961	.662%	81.319%
90.0	292.941	32.586	4151.547	.643%	81.962%
91.0	285.013	31.688	4183.236	.626%	82.588%
92.0	277.695	30.843	4214.079	.609%	83.197%
93.0	270.429	30.025	4244.104	.593%	83.790%
94.0	263.123	29.200	4273.304	.576%	84.366%
95.0	256.595	28.409	4301.713	.561%	84.927%
96.0	250.637	27.684	4329.396	.547%	85.474%
97.0	244.730	26.987	4356.383	.533%	86.006%
98.0	239.005	26.297	4382.680	.519%	86.525%
99.0	233.474	25.622	4408.301	.506%	87.031%
100.0	228.526	24.984	4433.286	.493%	87.525%
101.0	223.902	24.391	4457.677	.482%	88.006%
102.0	219.187	23.807	4481.484	.470%	88.476%
103.0	214.654	23.224	4504.708	.458%	88.935%
104.0	210.509	22.668	4527.376	.448%	89.382%
105.0	206.248	22.123	4549.499	.437%	89.819%
106.0	202.077	21.574	4571.073	.426%	90.245%
107.0	198.230	21.045	4592.118	.415%	90.660%
108.0	194.460	20.535	4612.653	.405%	91.066%
109.0	190.380	20.011	4632.664	.395%	91.461%
110.0	186.469	19.478	4652.141	.385%	91.845%
111.0	182.855	18.968	4671.109	.374%	92.220%
112.0	179.202	18.470	4689.579	.365%	92.584%
113.0	175.174	17.952	4707.531	.354%	92.939%

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

TY-BUR-50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	171.612	17.437	4724.968	.344%	93.283%
115.0	167.933	16.941	4741.909	.334%	93.618%
116.0	164.488	16.451	4758.360	.325%	93.942%
117.0	160.887	15.966	4774.326	.315%	94.258%
118.0	157.273	15.474	4789.800	.305%	94.563%
119.0	153.905	14.994	4804.794	.296%	94.859%
120.0	150.382	14.521	4819.315	.287%	95.146%
121.0	146.937	14.046	4833.362	.277%	95.423%
122.0	143.401	13.573	4846.935	.268%	95.691%
123.0	139.929	13.102	4860.037	.259%	95.950%
124.0	136.523	12.640	4872.677	.250%	96.199%
125.0	133.090	12.183	4884.860	.241%	96.440%
126.0	129.683	11.730	4896.590	.232%	96.671%
127.0	126.316	11.283	4907.874	.223%	96.894%
128.0	122.559	10.826	4918.700	.214%	97.108%
129.0	119.179	10.373	4929.073	.205%	97.313%
130.0	115.552	9.931	4939.004	.196%	97.509%
131.0	111.899	9.483	4948.487	.187%	97.696%
132.0	108.052	9.032	4957.520	.178%	97.874%
133.0	104.296	8.584	4966.104	.169%	98.044%
134.0	100.436	8.143	4974.246	.161%	98.205%
135.0	96.460	7.700	4981.946	.152%	98.357%
136.0	92.613	7.266	4989.212	.143%	98.500%
137.0	88.675	6.842	4996.055	.135%	98.635%
138.0	84.841	6.428	5002.482	.127%	98.762%
139.0	81.020	6.026	5008.508	.119%	98.881%
140.0	77.212	5.635	5014.143	.111%	98.992%
141.0	73.663	5.262	5019.405	.104%	99.096%
142.0	69.518	4.887	5024.292	.096%	99.193%
143.0	65.982	4.523	5028.815	.089%	99.282%
144.0	62.433	4.188	5033.003	.083%	99.365%
145.0	58.663	3.856	5036.858	.076%	99.441%
146.0	54.816	3.524	5040.383	.070%	99.510%
147.0	51.384	3.214	5043.597	.063%	99.574%
148.0	47.835	2.923	5046.520	.058%	99.631%
149.0	44.389	2.642	5049.162	.052%	99.684%
150.0	40.918	2.374	5051.536	.047%	99.730%
151.0	37.809	2.126	5053.661	.042%	99.772%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	34.364	1.888	5055.549	.037%	99.810%
153.0	31.398	1.665	5057.214	.033%	99.843%
154.0	28.315	1.461	5058.675	.029%	99.871%
155.0	25.206	1.263	5059.938	.025%	99.896%
156.0	22.305	1.080	5061.019	.021%	99.918%
157.0	19.520	.914	5061.933	.018%	99.936%
158.0	16.463	.755	5062.688	.015%	99.951%
159.0	13.834	.609	5063.297	.012%	99.963%
160.0	11.191	.481	5063.777	.009%	99.972%
161.0	8.899	.368	5064.145	.007%	99.979%
162.0	6.593	.270	5064.415	.005%	99.985%
163.0	4.559	.184	5064.599	.004%	99.988%
164.0	3.160	.120	5064.719	.002%	99.991%
165.0	2.241	.079	5064.798	.002%	99.992%
166.0	1.852	.056	5064.854	.001%	99.993%
167.0	1.787	.047	5064.900	.001%	99.994%
168.0	1.865	.043	5064.944	.001%	99.995%
169.0	1.852	.041	5064.984	.001%	99.996%
170.0	1.826	.037	5065.021	.001%	99.997%
171.0	1.775	.033	5065.054	.001%	99.997%
172.0	1.775	.029	5065.083	.001%	99.998%
173.0	1.710	.025	5065.107	.000%	99.998%
174.0	1.787	.022	5065.129	.000%	99.999%
175.0	1.762	.019	5065.147	.000%	99.999%
176.0	1.749	.015	5065.163	.000%	99.999%
177.0	1.775	.012	5065.174	.000%	100.000%
178.0	1.775	.008	5065.183	.000%	100.000%
179.0	1.787	.005	5065.188	.000%	100.000%
180.0	1.865	.002	5065.189	.000%	100.000%

Zonal flux distribution table

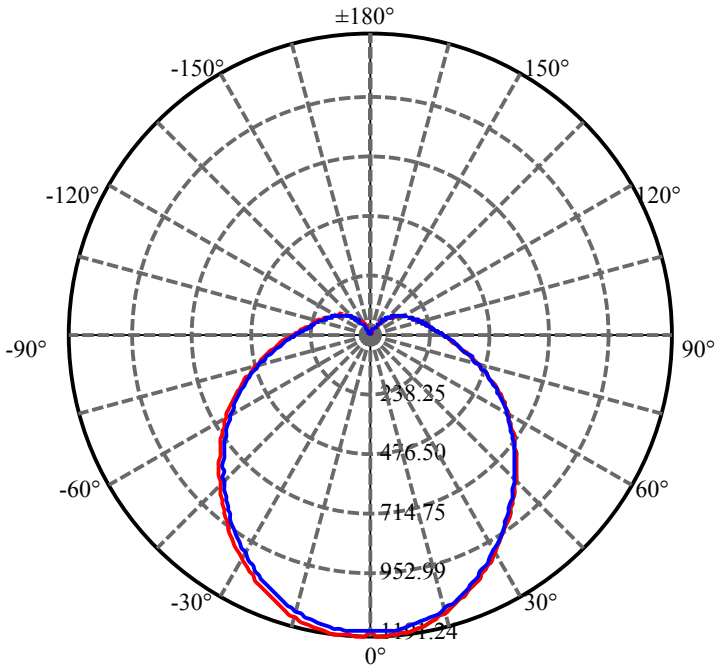
ZONAL LUMEN SUMMARY

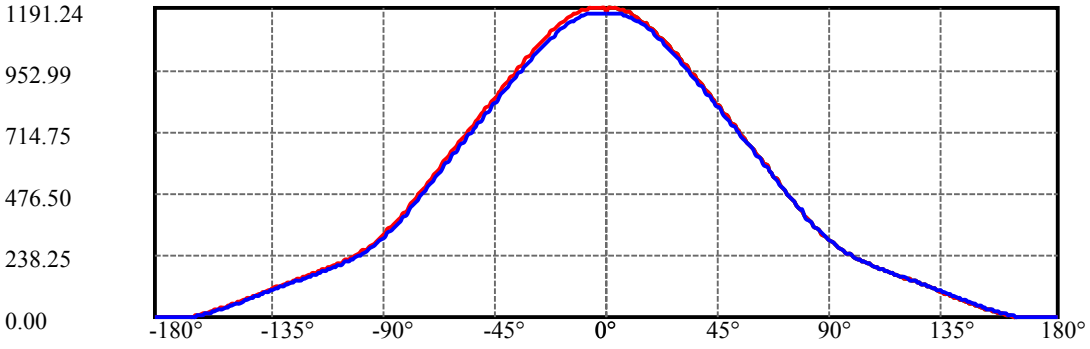
Zone	Lumens	%Fixt
0-30	909.59	17.96%
0-40	1492.25	29.46%
0-60	2740.92	54.11%
0-90	4151.55	81.96%
0-120	4819.32	95.15%
0-180	5065.19	100.00%
60-90	1471.04	29.04%
90-120	700.35	13.83%
90-130	820.04	16.19%
90-150	932.58	18.41%
90-180	946.23	18.68%
0-87.04	4052.15	80.00%

ZONAL LUMEN SUMMARY

0-10	111.43
10-20	318.37
20-30	479.78
30-40	582.66
40-50	627.70
50-60	620.97
60-70	566.84
70-80	474.09
80-90	369.70
90-100	281.74
100-110	218.86
110-120	167.17
120-130	119.69
130-140	75.14
140-150	37.39
150-160	12.24
160-170	1.24
170-180	0.17

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:131.4 Right:127.9
:C90/270Left:129.8 Right:129.1

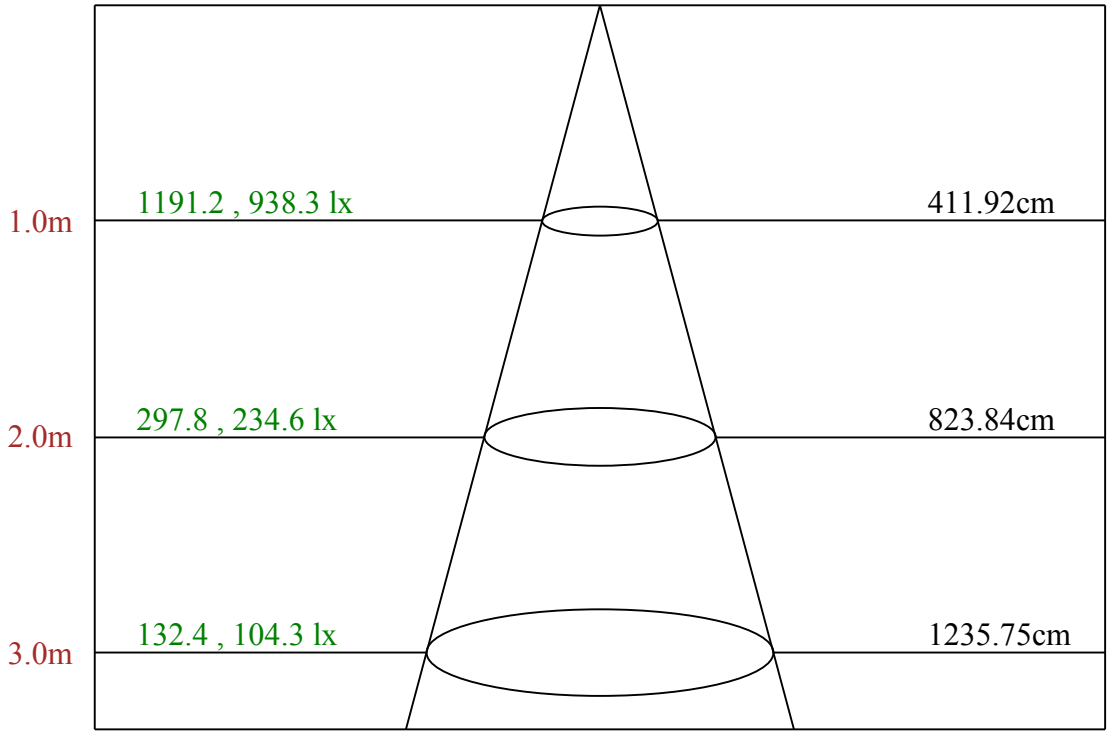
Beam Angle(50%Imax):C0/180Left:65.8 Right:63.6
:C90/270Left:64.5 Right:63.1

Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

Lux distance Curve



Max , Ave

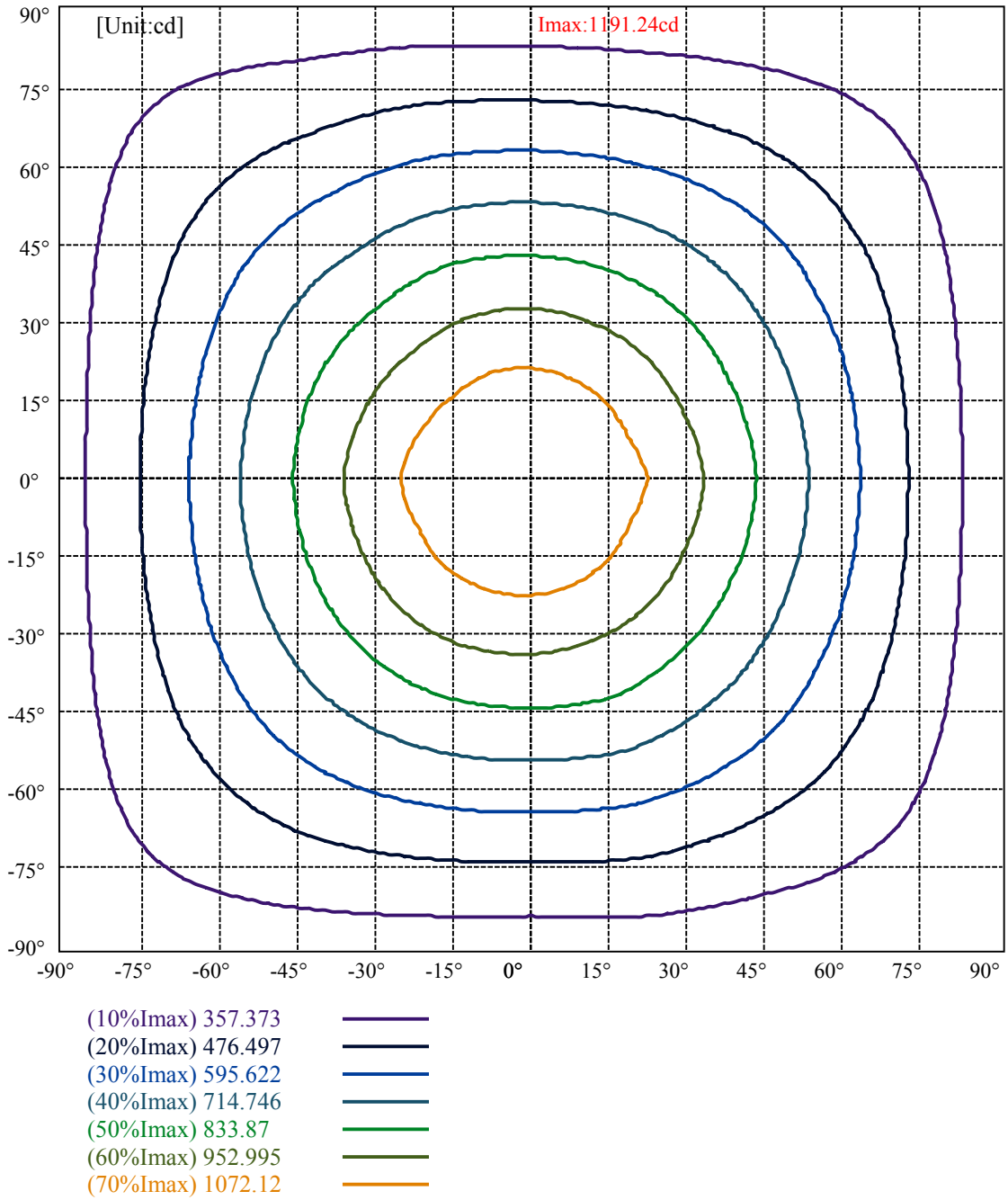
Beam angle of C0plane128.11

Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

ISO-Intensity(V-H)



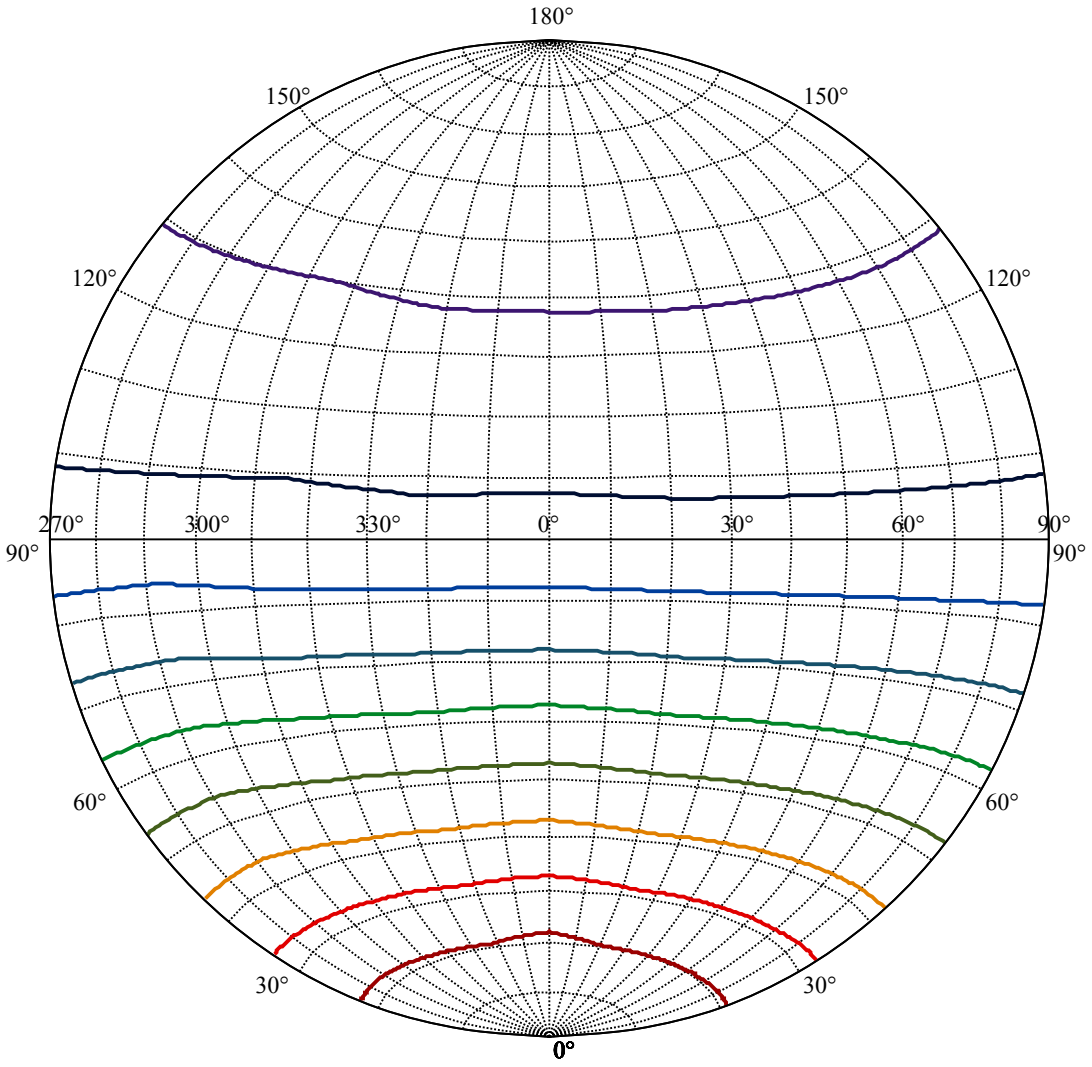
(10%Imax) 357.373
(20%Imax) 476.497
(30%Imax) 595.622
(40%Imax) 714.746
(50%Imax) 833.87
(60%Imax) 952.995
(70%Imax) 1072.12

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:1191.24

(10%Imax) 119.124
(20%Imax) 238.249
(30%Imax) 357.373
(40%Imax) 476.497
(50%Imax) 595.622
(60%Imax) 714.746
(70%Imax) 833.87
(80%Imax) 952.995
(90%Imax) 1072.12

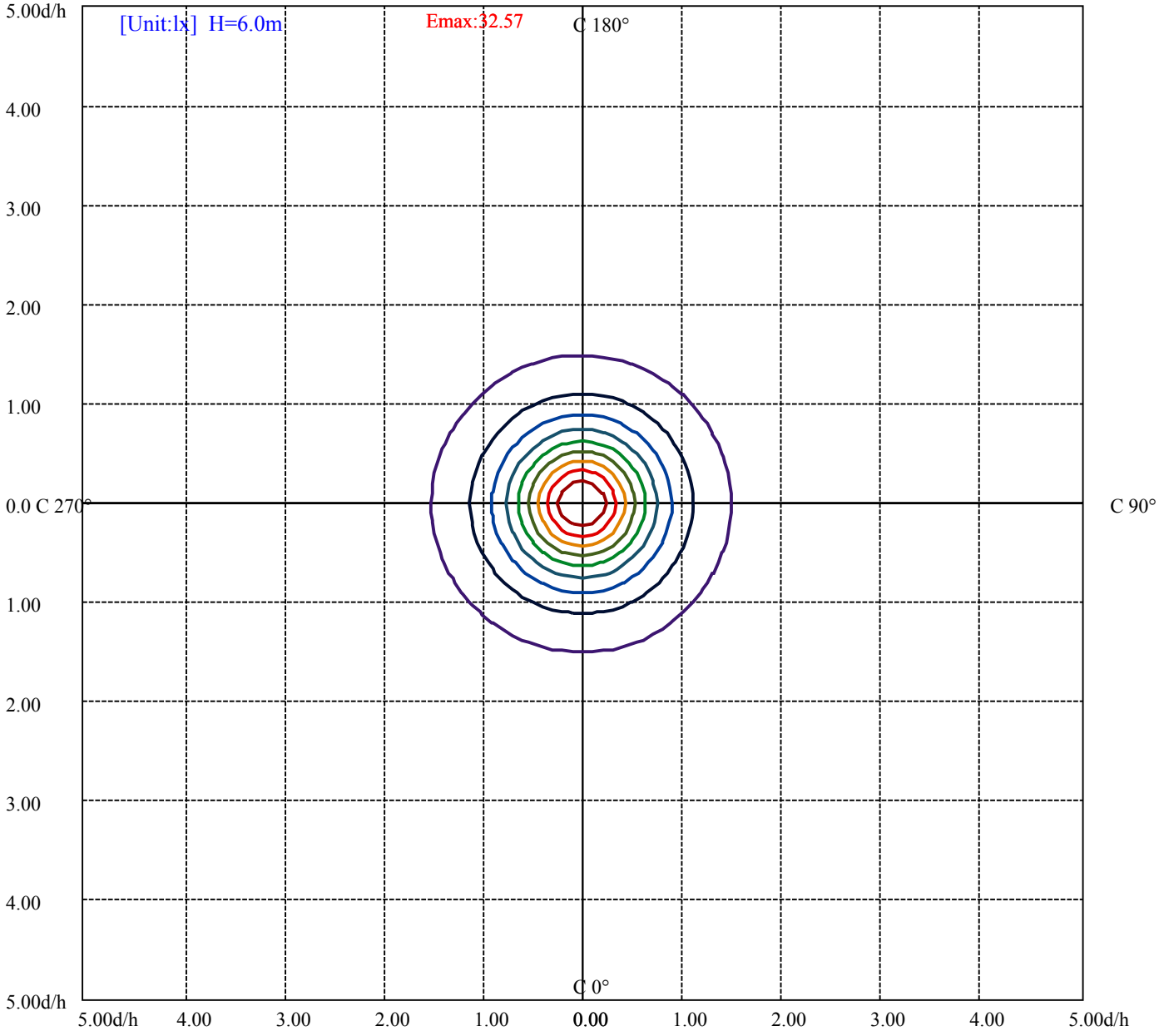
Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

TY-BUR-50

ISO illuminance diagram



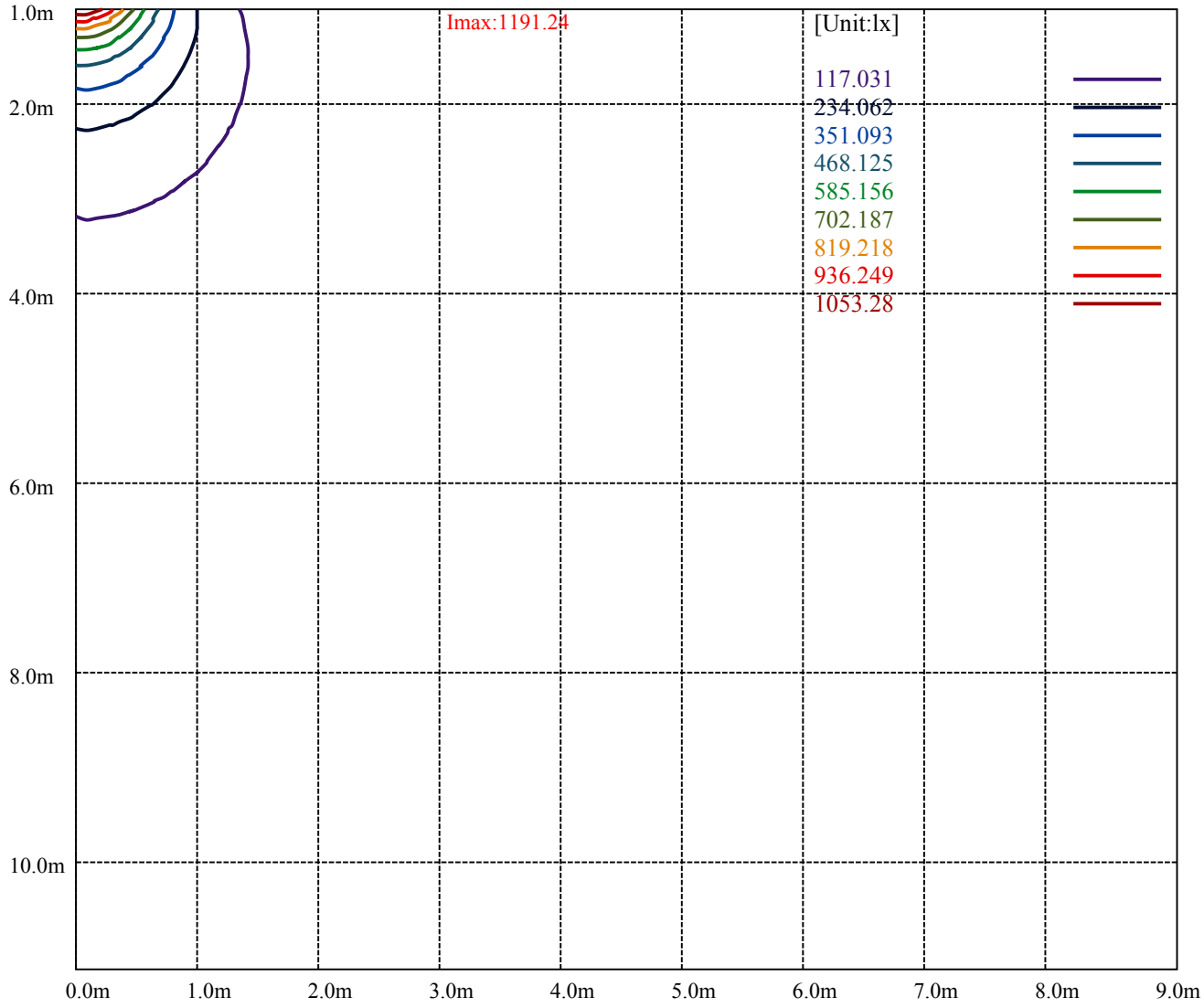
(10%Emax) 3.257472
(20%Emax) 6.514917
(30%Emax) 9.772388
(40%Emax) 13.02983
(50%Emax) 16.28731
(60%Emax) 19.54478
(70%Emax) 22.80222
(80%Emax) 26.05969
(90%Emax) 29.31722

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-50

Luminance Limitting Curve(no luminous side)

Luminance Table

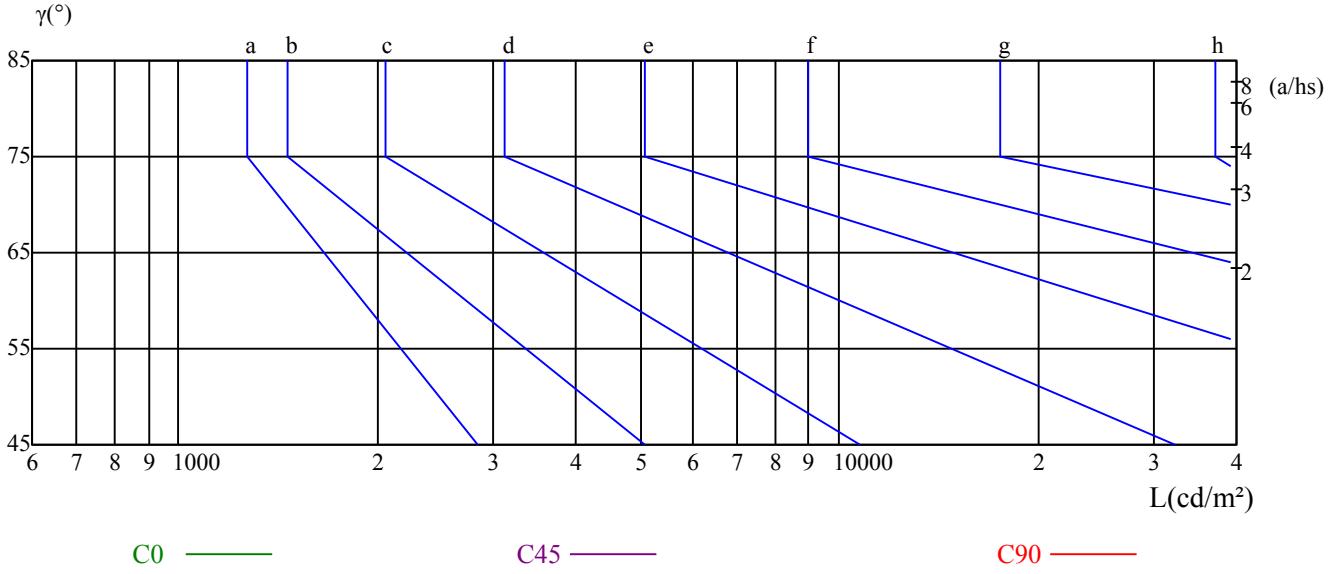
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

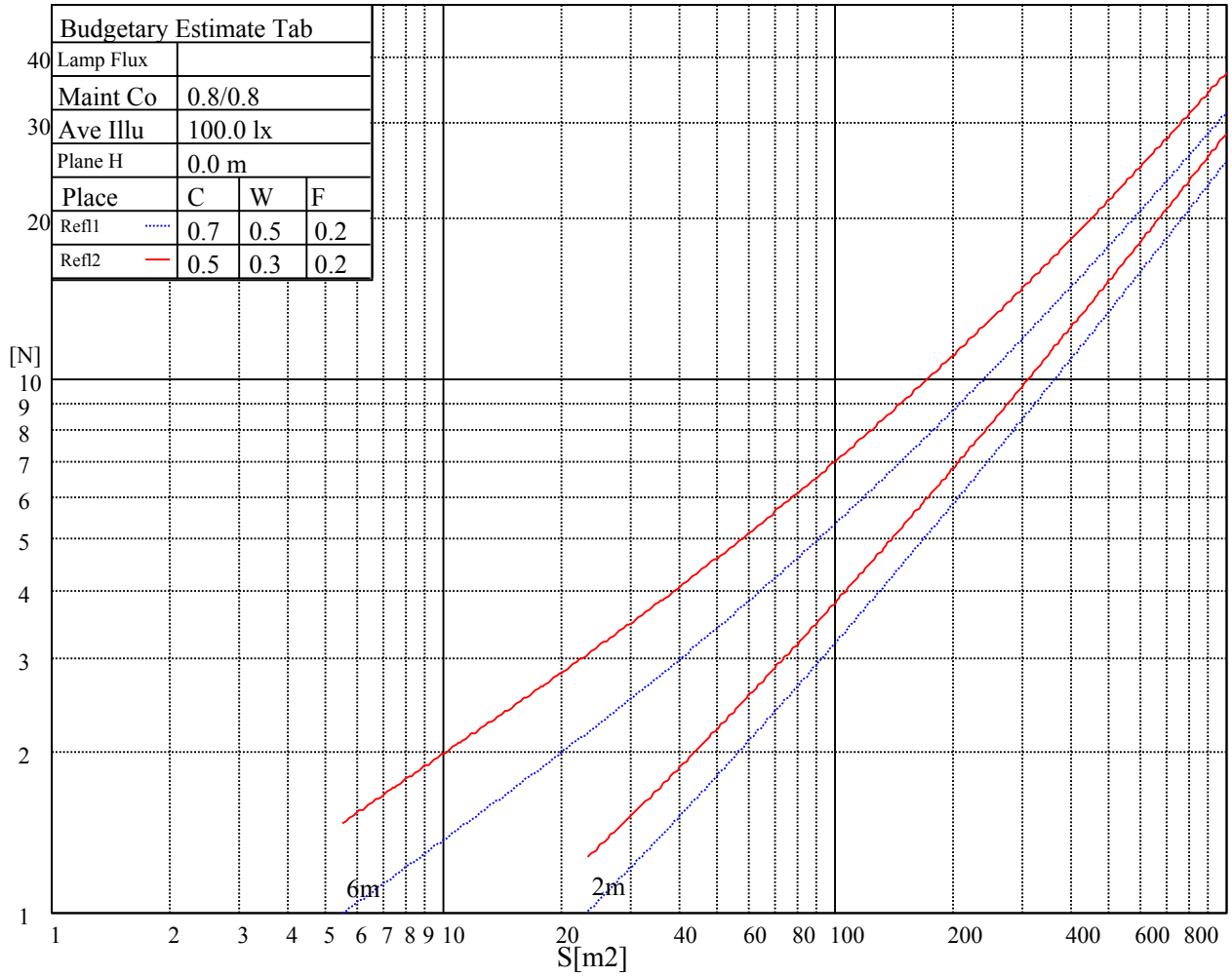


Equipment:
Temperature(°C): 25.3

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

Operator: Dick
Distance(m): 14.40

Budgetary Estimate Table



Equipment:
Temperature(°C): 25.3

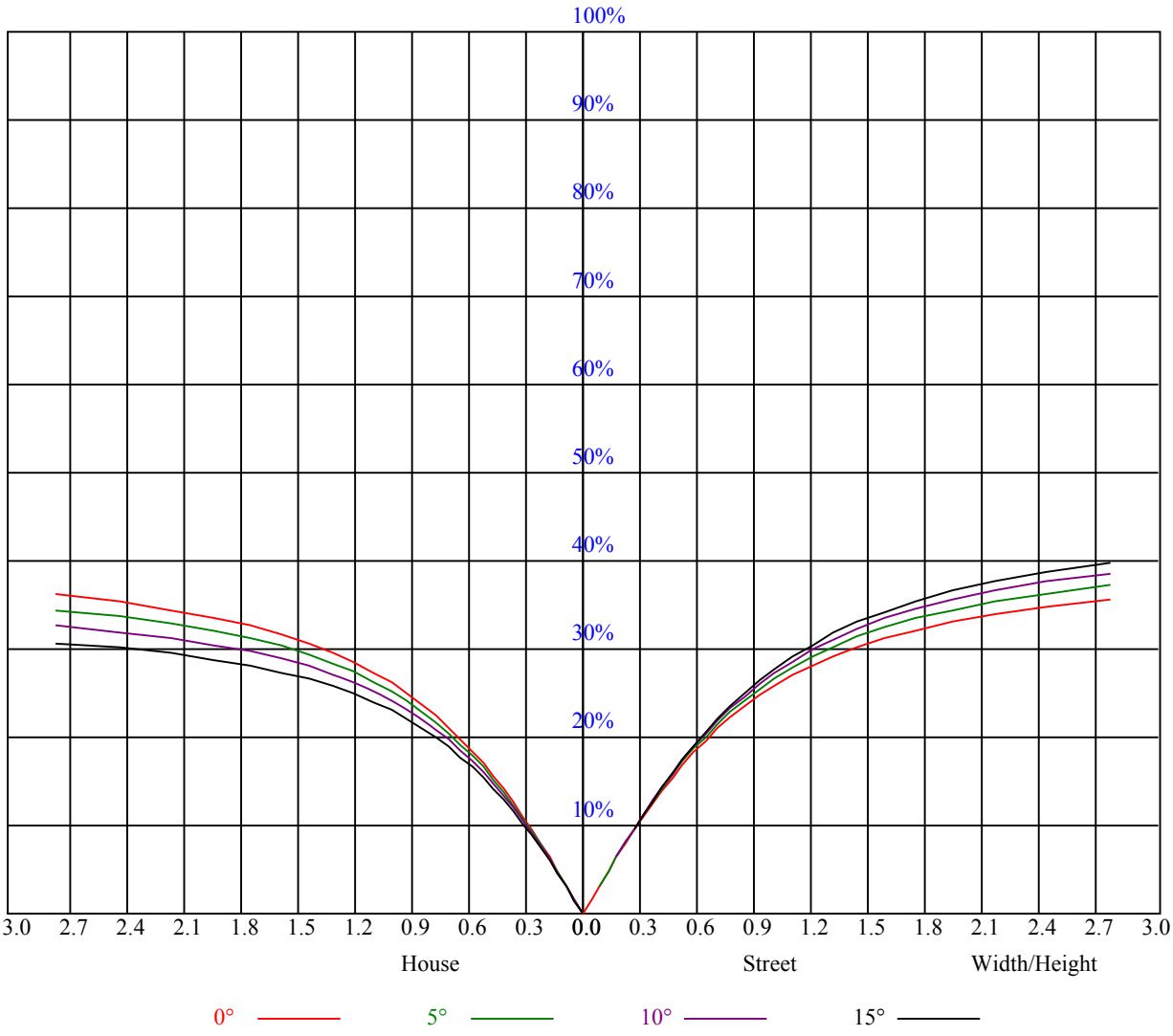
Date: 2018-12-10
Humidity(%): 57.0%

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	0.47	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	0.30	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	1170.31	1190.62	1191.24	1191.04	1190.00	1187.51	1185.23	1182.12	1178.60
22.5	1170.31	1171.35	1170.93	1170.31	1169.28	1167.83	1164.92	1161.19	1156.43
45.0	1170.31	1171.14	1171.14	1170.93	1169.28	1167.83	1164.51	1160.57	1157.05
67.5	1170.31	1170.93	1171.35	1171.14	1170.10	1168.03	1165.34	1161.81	1158.50
90.0	1170.31	1170.93	1171.76	1171.76	1171.35	1169.28	1167.62	1164.72	1160.78
112.5	1170.31	1171.14	1171.56	1172.18	1171.97	1170.73	1168.86	1166.79	1163.68
135.0	1170.31	1171.35	1171.35	1171.35	1171.14	1170.10	1167.41	1164.72	1162.02
157.5	1170.31	1169.90	1170.52	1170.73	1171.56	1171.14	1170.31	1168.24	1166.58
180.0	1170.31	1188.55	1189.17	1189.79	1190.21	1190.62	1190.21	1188.76	1187.31
202.5	1170.31	1169.07	1168.86	1169.90	1171.14	1171.76	1171.76	1170.73	1169.07
225.0	1170.31	1169.07	1168.86	1170.31	1170.73	1171.76	1171.14	1170.52	1168.65
247.5	1170.31	1169.69	1169.90	1170.52	1170.93	1170.93	1170.31	1169.07	1167.00
270.0	1170.31	1170.52	1170.52	1170.93	1170.93	1170.31	1169.90	1167.62	1165.55
292.5	1170.31	1170.73	1170.73	1170.93	1171.14	1170.10	1168.24	1166.37	1163.47
315.0	1170.31	1170.52	1170.93	1171.14	1170.93	1170.10	1168.86	1167.20	1164.30
337.5	1170.31	1170.73	1171.14	1171.14	1169.69	1168.45	1166.17	1163.47	1160.16
360.0	1170.31	1190.62	1191.24	1191.04	1190.00	1187.51	1185.23	1182.12	1178.60

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1173.42	1168.45	1163.68	1157.88	1149.59	1142.54	1135.70	1128.45	1119.33
22.5	1152.07	1147.10	1141.71	1134.04	1128.03	1122.85	1115.39	1106.07	1097.98
45.0	1152.49	1147.72	1142.54	1135.29	1129.07	1122.65	1115.60	1108.35	1098.19
67.5	1153.73	1149.17	1143.58	1139.02	1131.35	1124.72	1117.67	1110.21	1101.30
90.0	1156.01	1151.66	1146.48	1142.54	1136.74	1130.94	1124.10	1114.56	1107.31
112.5	1159.74	1155.60	1150.42	1144.41	1139.02	1132.80	1126.58	1118.71	1111.25
135.0	1158.08	1153.94	1148.55	1143.16	1137.98	1131.56	1125.34	1116.01	1108.14
157.5	1163.68	1160.16	1156.43	1150.21	1145.86	1140.68	1134.67	1128.03	1120.37
180.0	1184.61	1180.47	1177.36	1172.18	1167.00	1161.81	1155.18	1148.76	1142.33
202.5	1167.20	1164.09	1158.71	1154.77	1150.62	1145.86	1138.60	1132.59	1125.96
225.0	1165.13	1161.61	1157.88	1153.73	1148.76	1142.75	1137.36	1131.35	1124.51
247.5	1164.09	1160.99	1155.39	1151.04	1145.86	1140.68	1134.04	1127.62	1121.40
270.0	1162.23	1158.71	1154.35	1148.55	1142.54	1137.15	1130.94	1124.51	1117.05
292.5	1159.33	1155.60	1150.42	1146.06	1139.85	1134.04	1127.21	1120.78	1113.11
315.0	1161.40	1157.67	1153.32	1146.89	1142.13	1130.11	1122.85	1115.81	1108.55
337.5	1154.77	1150.42	1145.24	1139.64	1132.59	1126.38	1119.54	1112.49	1105.03
360.0	1173.42	1168.45	1163.68	1157.88	1149.59	1142.54	1135.70	1128.45	1119.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1111.66	1102.96	1094.25	1083.68	1074.36	1064.82	1055.08	1041.82	1031.67
22.5	1090.11	1081.61	1073.11	1060.68	1051.35	1042.23	1032.49	1022.55	1010.32
45.0	1089.90	1081.20	1073.11	1062.34	1053.01	1043.48	1033.74	1022.34	1012.18
67.5	1093.42	1084.93	1076.64	1064.82	1055.29	1046.17	1036.43	1026.69	1015.50
90.0	1099.23	1091.14	1082.85	1071.04	1061.92	1054.05	1042.65	1031.46	1021.30
112.5	1104.20	1095.08	1087.83	1076.22	1067.31	1058.40	1048.66	1039.13	1025.86
135.0	1100.68	1092.80	1083.06	1074.15	1065.45	1054.67	1044.72	1033.12	1023.17
157.5	1113.32	1104.41	1097.78	1087.00	1078.30	1069.18	1060.27	1049.07	1039.33
180.0	1135.08	1127.21	1116.64	1108.76	1099.85	1090.73	1080.37	1068.76	1059.44
202.5	1117.67	1110.83	1103.16	1095.29	1087.00	1075.39	1066.48	1057.36	1048.04
225.0	1115.60	1108.55	1100.68	1092.80	1084.31	1074.36	1065.45	1055.91	1046.59
247.5	1114.15	1104.20	1096.33	1088.45	1079.95	1069.59	1060.47	1051.35	1041.61
270.0	1109.38	1102.13	1094.05	1082.85	1074.36	1065.24	1056.12	1045.14	1035.40
292.5	1105.03	1095.91	1087.62	1078.92	1070.42	1061.09	1048.87	1039.33	1029.39
315.0	1099.43	1091.14	1083.27	1073.11	1063.79	1056.12	1044.93	1032.08	1022.55
337.5	1094.87	1086.38	1077.47	1069.18	1060.06	1047.21	1039.75	1028.35	1018.40
360.0	1111.66	1102.96	1094.25	1083.68	1074.36	1064.82	1055.08	1041.82	1031.67

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	1021.51	1010.94	999.13	987.94	977.37	966.18	951.67	940.68	929.49
22.5	1000.37	988.35	977.99	967.21	956.64	946.07	931.77	920.79	909.80
45.0	1002.03	991.87	978.20	967.42	956.64	945.87	934.88	922.45	911.26
67.5	1003.07	992.50	982.13	971.15	958.92	948.56	937.58	926.59	915.61
90.0	1011.15	1000.79	988.77	978.40	967.42	957.06	945.87	931.36	920.58
112.5	1015.50	1005.35	994.98	984.41	970.11	959.54	948.56	937.99	926.80
135.0	1013.22	1002.86	990.22	979.85	967.63	956.64	945.87	933.02	921.82
157.5	1029.39	1019.23	1005.97	997.47	984.83	974.67	961.62	951.05	940.27
180.0	1049.70	1039.33	1027.31	1016.74	1006.17	995.60	982.75	971.98	960.99
202.5	1038.50	1026.69	1016.54	1006.38	996.23	982.13	971.56	960.79	949.80
225.0	1033.53	1023.58	1015.50	1003.69	993.12	980.89	968.87	959.54	946.69
247.5	1031.87	1022.13	1008.66	998.51	987.94	977.37	965.14	954.36	941.51
270.0	1025.45	1015.50	1004.10	993.53	981.30	970.32	958.30	947.32	936.33
292.5	1019.64	1007.83	997.68	987.52	976.74	962.65	951.88	941.10	931.57
315.0	1012.81	1004.10	990.84	979.85	969.49	958.92	944.41	933.64	922.24
337.5	1008.45	998.09	986.28	975.92	963.27	952.91	941.72	929.29	918.30
360.0	1021.51	1010.94	999.13	987.94	977.37	966.18	951.67	940.68	929.49

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	918.30	907.32	896.13	880.58	869.39	860.07	844.94	833.54	821.93
22.5	898.61	885.76	874.37	863.17	852.19	839.55	826.49	815.72	804.11
45.0	898.41	889.29	874.37	862.97	851.98	841.00	827.94	816.75	805.77
67.5	900.69	889.91	878.72	865.45	854.47	843.28	832.09	819.03	807.84
90.0	909.39	897.99	885.14	873.95	860.69	851.57	838.31	825.25	814.06
112.5	915.81	903.17	891.57	880.79	869.39	854.26	845.35	833.95	820.90
135.0	911.26	900.06	884.94	873.95	862.76	851.57	840.17	828.98	817.79
157.5	928.87	915.81	903.17	891.98	880.79	869.60	856.34	845.14	833.95
180.0	949.60	934.47	923.28	912.08	900.69	887.22	875.82	864.42	853.02
202.5	936.95	926.38	913.12	903.59	889.08	877.47	866.28	855.09	843.69
225.0	936.12	923.28	913.74	899.24	887.84	876.44	865.04	853.64	838.72
247.5	930.53	919.75	908.56	895.50	884.31	872.50	861.52	846.60	835.20
270.0	925.35	914.57	899.65	888.46	877.06	866.08	854.88	841.62	830.22
292.5	917.47	918.72	904.00	892.81	881.62	870.43	859.24	845.97	833.12
315.0	911.67	900.69	889.70	874.78	863.80	852.61	841.21	827.94	816.75
337.5	906.90	896.54	884.73	870.43	859.24	847.84	834.99	823.38	810.53
360.0	918.30	907.32	896.13	880.58	869.39	860.07	844.94	833.54	821.93

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	810.95	797.69	786.29	774.89	763.49	748.36	738.83	725.56	714.17
22.5	793.33	781.93	767.22	756.03	744.84	733.44	722.46	709.61	698.42
45.0	794.58	783.39	768.46	757.27	746.29	733.02	722.25	711.06	699.87
67.5	796.86	783.80	774.47	759.55	748.15	737.38	725.77	715.20	703.80
90.0	802.87	791.88	776.75	765.77	754.37	743.18	731.99	720.80	709.61
112.5	809.71	798.51	783.39	772.19	760.59	749.81	736.55	725.15	712.71
135.0	802.87	791.47	780.28	769.29	754.16	744.84	731.78	720.38	709.19
157.5	820.69	811.78	796.65	785.25	774.06	762.87	751.68	736.76	725.56
180.0	837.48	826.29	814.68	803.49	791.88	780.69	765.36	753.96	742.56
202.5	824.83	817.58	805.98	796.65	781.52	770.33	759.14	745.46	734.27
225.0	827.32	816.13	803.28	793.33	780.48	767.01	755.61	744.42	733.44
247.5	824.21	810.74	799.55	788.15	777.17	765.77	750.64	739.24	728.05
270.0	819.24	807.84	792.71	781.73	770.54	757.27	746.08	734.89	723.70
292.5	821.93	810.74	799.55	786.49	769.71	763.90	749.19	738.00	726.81
315.0	805.98	794.58	783.59	768.46	757.07	748.15	733.02	721.63	710.64
337.5	799.76	788.36	777.38	765.98	751.26	740.07	728.88	717.90	704.63
360.0	810.95	797.69	786.29	774.89	763.49	748.36	738.83	725.56	714.17

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	702.97	691.58	676.24	664.84	653.24	641.63	627.95	616.35	604.74
22.5	687.22	675.83	660.90	651.16	638.11	626.50	613.24	601.84	590.44
45.0	688.47	675.62	664.22	653.03	637.69	626.29	614.69	603.29	590.03
67.5	689.09	677.90	666.71	655.10	643.08	631.89	618.63	605.15	593.55
90.0	694.89	683.49	672.30	662.77	647.64	636.45	624.64	613.44	602.05
112.5	701.32	690.13	678.73	665.67	654.48	643.08	629.82	620.28	604.95
135.0	696.55	685.15	673.75	662.56	647.43	636.24	626.50	615.10	601.63
157.5	714.37	703.18	691.99	680.80	667.33	656.55	644.74	633.55	618.00
180.0	730.95	719.55	706.08	694.89	683.29	669.82	658.21	646.81	632.93
202.5	723.28	711.68	700.69	685.77	674.17	662.98	651.37	638.31	626.71
225.0	720.38	708.78	697.59	686.39	673.13	660.07	648.68	637.28	625.46
247.5	717.07	704.01	692.61	681.42	670.02	654.89	645.36	633.75	618.83
270.0	710.44	699.24	687.85	676.86	663.60	650.13	638.94	627.54	614.07
292.5	715.82	704.63	691.37	680.18	668.99	657.38	642.25	630.85	619.45
315.0	699.45	688.05	673.34	663.81	652.20	637.28	625.88	614.48	602.88
337.5	693.23	682.04	670.85	657.59	646.40	632.93	621.53	610.13	594.79
360.0	702.97	691.58	676.24	664.84	653.24	641.63	627.95	616.35	604.74

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	592.93	580.91	565.16	553.14	541.32	529.10	515.00	503.19	491.17
22.5	578.63	564.95	553.14	539.67	527.65	515.83	504.02	492.21	476.46
45.0	578.42	566.61	555.00	539.04	527.44	515.63	505.88	490.34	478.32
67.5	582.15	570.34	556.66	545.05	533.24	521.64	505.88	494.07	482.26
90.0	586.50	574.90	563.50	551.69	540.08	524.33	512.52	501.12	490.96
112.5	593.34	582.15	570.34	554.79	543.19	533.45	521.64	505.88	494.28
135.0	590.03	574.69	562.88	551.27	539.67	528.06	514.17	502.36	488.68
157.5	606.81	594.79	583.39	569.92	558.11	546.50	530.55	521.01	507.13
180.0	621.11	609.71	597.69	582.15	570.13	558.52	546.30	534.48	518.32
202.5	615.10	603.91	588.37	576.76	565.16	553.55	539.67	527.85	516.04
225.0	612.20	600.80	586.92	575.52	563.91	548.37	540.49	524.74	512.93
247.5	607.02	595.62	584.02	570.34	558.73	546.92	535.31	521.43	507.54
270.0	602.67	591.06	579.25	563.71	552.10	540.29	528.68	514.80	502.98
292.5	608.06	594.38	582.98	571.58	559.98	544.22	532.20	520.39	508.58
315.0	591.27	575.93	564.33	552.31	540.49	527.02	515.42	503.19	491.38
337.5	583.19	571.37	559.77	548.16	534.28	522.88	510.65	497.39	485.16
360.0	592.93	580.91	565.16	553.14	541.32	529.10	515.00	503.19	491.17

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	475.42	463.61	452.00	440.60	429.00	415.94	404.96	393.97	383.40
22.5	464.85	453.45	442.26	430.86	419.46	404.96	396.04	385.27	375.11
45.0	467.13	455.11	443.92	430.65	417.60	406.61	396.04	385.48	371.38
67.5	470.86	459.25	447.65	432.31	423.19	410.55	399.36	388.79	378.43
90.0	475.42	463.61	452.21	440.81	425.68	416.56	411.17	395.01	380.92
112.5	482.47	470.86	457.39	446.20	434.80	423.61	412.42	398.12	389.21
135.0	477.08	465.68	454.07	440.60	429.41	418.22	407.44	394.80	382.37
157.5	495.52	482.05	470.45	458.84	445.16	433.97	422.57	411.80	398.95
180.0	506.30	494.49	482.67	470.86	456.97	445.37	434.18	422.78	409.72
202.5	504.43	488.68	476.66	464.85	453.45	442.26	429.00	417.81	406.41
225.0	501.12	489.31	475.63	462.16	450.34	438.94	425.89	414.90	403.92
247.5	495.94	484.12	470.45	459.05	447.44	434.18	422.78	411.80	400.81
270.0	491.38	479.36	463.81	452.00	442.67	429.62	418.63	405.58	392.73
292.5	496.77	483.29	471.48	459.88	448.48	433.35	424.02	409.31	398.32
315.0	475.83	464.44	452.83	441.22	429.62	416.77	405.79	394.80	384.23
337.5	471.48	459.88	448.48	436.87	425.68	410.97	400.19	389.41	379.05
360.0	475.42	463.61	452.00	440.60	429.00	415.94	404.96	393.97	383.40

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	369.72	359.57	349.83	340.50	331.18	320.82	310.45	302.58	293.25
22.5	364.75	351.49	341.95	332.84	323.72	315.01	306.52	295.95	287.86
45.0	361.43	353.35	343.61	331.18	325.37	313.56	305.27	297.19	289.31
67.5	364.96	354.80	345.06	335.94	326.83	319.57	309.62	299.88	290.76
90.0	370.55	360.61	350.87	341.33	332.21	323.30	312.94	304.86	296.77
112.5	375.32	365.17	355.22	347.34	336.36	325.79	317.29	308.79	299.05
135.0	372.21	362.26	352.52	342.78	333.66	324.55	312.94	306.10	298.02
157.5	386.93	376.15	366.20	356.25	348.17	338.64	326.83	317.91	309.21
180.0	398.74	386.30	377.39	365.58	355.63	346.10	336.77	326.20	317.08
202.5	394.39	383.61	373.25	363.30	350.04	340.30	331.18	322.06	310.66
225.0	393.14	380.92	372.00	358.53	349.00	339.47	330.14	318.33	309.83
247.5	386.51	376.15	365.99	356.05	344.86	335.32	326.41	317.71	306.31
270.0	382.37	372.00	362.06	350.45	341.13	332.01	322.89	311.28	303.20
292.5	387.55	377.19	366.82	356.88	344.03	334.70	325.58	316.88	307.14
315.0	370.55	360.61	350.66	341.33	332.01	339.67	330.35	321.23	311.28
337.5	368.48	356.88	347.34	337.81	327.24	316.67	308.38	299.88	292.42
360.0	369.72	359.57	349.83	340.50	331.18	320.82	310.45	302.58	293.25

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	286.00	278.74	271.70	265.48	256.98	251.18	245.79	240.61	235.84
22.5	280.61	272.53	265.69	259.47	253.25	245.79	240.40	235.22	230.46
45.0	281.85	273.56	266.93	260.51	252.22	246.62	241.23	236.05	230.25
67.5	283.30	276.26	269.21	261.54	255.53	249.52	244.13	237.92	231.91
90.0	288.90	278.95	272.11	265.27	258.02	252.01	246.41	240.82	235.84
112.5	291.18	283.72	276.46	269.83	263.20	254.91	248.90	244.55	237.30
135.0	288.90	280.40	273.36	266.52	259.06	252.84	250.97	241.85	235.02
157.5	300.92	291.80	283.10	275.64	270.04	263.62	255.33	249.32	243.93
180.0	305.89	298.02	291.39	284.13	274.60	267.76	261.54	255.33	248.49
202.5	301.33	294.49	286.83	278.33	271.49	264.86	257.61	251.80	246.21
225.0	301.54	293.87	286.00	278.74	269.63	262.99	256.78	249.94	244.55
247.5	298.23	290.56	282.89	274.39	267.76	260.51	254.29	248.49	243.10
270.0	292.63	287.24	279.99	270.87	264.03	257.81	252.01	245.59	239.99
292.5	299.05	291.18	282.47	275.43	268.59	261.96	253.67	248.07	243.51
315.0	304.44	293.87	286.41	278.74	270.87	264.24	257.81	251.80	244.55
337.5	282.27	275.01	268.59	261.96	254.70	248.90	243.31	238.33	233.15
360.0	286.00	278.74	271.70	265.48	256.98	251.18	245.79	240.61	235.84

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	230.04	225.48	220.30	216.36	212.22	207.66	203.72	199.16	196.05
22.5	225.48	220.30	216.57	210.98	207.24	203.31	199.37	195.64	191.29
45.0	225.69	221.13	216.78	212.63	207.24	203.51	199.99	195.64	191.91
67.5	227.14	222.79	217.81	213.67	209.52	205.59	201.86	196.68	192.94
90.0	229.42	225.48	221.13	216.57	211.39	207.45	203.51	199.78	195.43
112.5	232.11	227.55	223.00	218.02	213.67	209.94	206.00	200.82	197.71
135.0	230.04	225.48	220.92	216.57	212.63	207.45	203.51	199.78	195.43
157.5	238.95	232.11	227.97	223.20	218.85	213.67	209.52	205.59	201.86
180.0	243.31	237.30	232.32	227.35	222.79	218.64	213.25	209.32	205.38
202.5	239.78	234.81	230.25	225.48	219.68	215.53	211.39	208.28	203.72
225.0	239.16	234.19	228.80	223.41	219.06	214.91	210.35	206.21	202.48
247.5	236.88	232.11	227.55	222.17	218.02	214.08	210.15	204.76	201.03
270.0	235.02	230.04	224.86	219.89	216.16	212.22	207.04	203.10	199.37
292.5	236.47	231.49	226.93	222.58	217.19	213.46	208.49	204.76	201.03
315.0	239.37	233.98	229.21	224.65	219.68	215.33	210.35	206.83	202.89
337.5	226.73	222.17	218.02	213.46	209.11	205.38	201.44	196.88	193.15
360.0	230.04	225.48	220.30	216.36	212.22	207.66	203.72	199.16	196.05

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	192.32	187.76	184.03	180.30	176.57	172.43	169.11	165.17	162.27
22.5	187.56	184.03	179.47	175.95	172.22	168.90	164.97	161.24	157.92
45.0	188.18	184.66	180.51	177.19	173.46	168.90	165.59	162.07	158.75
67.5	189.42	186.31	182.17	178.02	174.71	170.77	167.45	163.10	159.58
90.0	191.70	187.97	184.45	179.89	176.16	172.63	169.32	165.38	161.86
112.5	194.19	190.67	185.69	181.96	178.65	174.50	170.98	167.66	164.14
135.0	191.70	187.97	184.45	180.92	177.61	172.63	169.32	166.00	162.48
157.5	197.92	192.94	189.21	185.69	182.17	178.65	174.50	170.56	167.66
180.0	201.65	197.09	193.15	190.04	186.31	182.17	178.44	174.91	170.36
202.5	199.37	195.64	191.49	187.97	183.83	180.30	176.78	173.26	169.53
225.0	198.75	193.77	190.25	187.14	183.62	179.06	175.54	172.22	168.90
247.5	197.30	193.57	189.42	185.90	182.17	177.61	174.50	171.18	167.87
270.0	195.64	191.49	187.76	184.24	180.72	176.16	172.63	169.32	165.80
292.5	197.09	192.32	189.42	185.90	181.55	178.23	174.50	169.94	166.62
315.0	199.16	194.19	190.46	186.73	183.20	179.68	175.54	171.60	168.08
337.5	189.42	185.69	181.55	177.82	174.29	170.15	166.62	163.31	159.99
360.0	192.32	187.76	184.03	180.30	176.57	172.43	169.11	165.17	162.27

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	158.13	154.60	151.08	147.97	144.66	140.10	136.99	133.47	129.74
22.5	154.60	150.87	147.56	143.83	140.72	138.03	133.67	130.36	127.04
45.0	155.43	151.50	148.39	145.07	141.76	137.61	134.29	131.19	127.87
67.5	156.47	152.95	149.01	145.69	142.58	138.65	135.54	132.43	128.70
90.0	158.54	154.81	151.70	148.39	144.24	140.93	137.20	134.71	130.36
112.5	160.20	156.88	153.57	150.25	146.11	142.79	139.68	136.37	132.84
135.0	159.16	155.23	152.12	148.59	145.49	140.93	138.03	134.71	131.60
157.5	163.72	160.20	156.68	153.36	150.05	146.73	143.21	139.06	135.95
180.0	166.83	163.52	160.61	156.26	152.95	149.63	146.31	142.38	139.06
202.5	166.00	162.07	158.75	155.43	151.50	148.18	144.86	141.76	137.82
225.0	165.59	161.03	157.71	154.60	151.08	147.97	144.66	140.30	137.61
247.5	163.31	159.99	156.68	153.36	150.05	145.90	142.58	139.27	135.95
270.0	162.07	158.54	155.23	151.08	147.77	144.24	141.34	138.03	134.09
292.5	163.31	159.79	156.26	152.74	149.42	146.31	141.96	138.65	135.54
315.0	164.55	161.24	157.92	153.78	150.05	147.14	143.83	140.10	136.78
337.5	156.26	153.15	149.22	145.69	142.58	139.27	134.71	131.60	128.49
360.0	158.13	154.60	151.08	147.97	144.66	140.10	136.99	133.47	129.74

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	126.00	123.31	116.26	115.23	111.50	107.97	103.42	99.68	95.95
22.5	123.93	119.79	116.26	112.95	109.43	105.07	101.55	97.82	94.09
45.0	123.93	120.62	117.09	113.36	109.84	106.32	102.59	98.86	94.09
67.5	125.38	122.27	118.34	115.02	110.88	107.56	103.62	99.48	95.75
90.0	127.04	123.93	120.62	117.30	113.36	109.22	105.49	101.76	98.23
112.5	129.32	126.00	122.69	118.75	114.81	111.50	107.77	104.04	100.72
135.0	127.87	124.55	120.62	117.30	113.78	110.46	105.90	102.38	98.86
157.5	132.64	129.32	126.21	123.10	118.54	115.23	111.70	107.97	103.62
180.0	135.95	132.43	128.28	124.97	121.65	118.34	114.81	110.46	106.73
202.5	134.29	130.98	127.66	124.55	120.41	117.30	113.16	109.43	105.90
225.0	133.88	130.56	127.46	122.90	119.99	116.06	112.74	109.01	105.28
247.5	132.22	128.91	125.59	122.48	119.17	114.61	111.29	107.56	103.83
270.0	130.77	127.66	124.35	119.79	116.47	113.16	109.43	105.90	101.14
292.5	132.22	128.91	124.97	121.45	118.34	114.81	110.46	106.73	103.00
315.0	133.67	130.36	126.63	123.31	119.79	115.85	112.12	108.18	105.28
337.5	125.80	121.45	117.92	114.40	110.88	106.94	102.79	99.48	94.50
360.0	126.00	123.31	116.26	115.23	111.50	107.97	103.42	99.68	95.95

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	92.22	87.25	83.52	79.79	75.85	71.71	68.18	63.83	60.31
22.5	89.74	86.42	82.69	79.17	74.40	71.08	67.98	63.21	59.89
45.0	90.36	87.04	82.90	79.17	75.64	72.12	67.98	64.45	60.93
67.5	92.22	88.49	84.56	80.83	77.30	73.78	68.81	65.49	61.97
90.0	93.88	90.15	86.63	83.11	78.75	75.23	71.71	67.56	63.42
112.5	95.75	92.22	88.49	84.76	81.24	77.72	72.74	69.43	65.90
135.0	95.13	90.15	86.63	83.11	78.96	75.44	73.57	68.18	64.87
157.5	100.10	96.58	92.85	87.87	84.35	81.45	77.72	73.16	69.84
180.0	103.21	99.48	94.50	90.77	87.25	83.11	79.58	75.64	72.12
202.5	102.17	97.82	93.26	89.74	86.21	82.48	78.96	74.61	71.29
225.0	100.51	96.78	93.67	88.91	85.38	81.65	78.13	73.78	70.26
247.5	100.10	95.75	92.22	88.49	84.35	80.00	77.30	73.16	69.43
270.0	97.82	94.09	89.94	86.21	81.86	78.34	74.82	70.67	66.94
292.5	99.27	95.54	90.57	87.04	84.14	79.17	75.64	71.91	68.39
315.0	100.31	96.78	92.85	89.32	84.97	80.83	77.10	73.57	70.05
337.5	90.57	87.25	83.52	79.17	75.64	71.29	68.39	63.62	60.10
360.0	92.22	87.25	83.52	79.79	75.85	71.71	68.18	63.83	60.31

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	56.58	53.05	49.12	46.63	42.07	38.96	35.85	32.74	29.43
22.5	56.37	53.05	49.74	45.80	42.49	39.38	36.06	33.37	29.01
45.0	57.61	52.85	49.74	46.42	42.49	39.17	36.06	33.16	29.84
67.5	58.65	54.30	51.19	47.67	44.56	40.21	37.30	34.20	31.29
90.0	59.89	56.58	53.26	49.95	45.59	42.90	39.17	36.06	32.54
112.5	62.59	59.06	54.71	51.19	47.87	44.76	41.03	37.72	34.82
135.0	61.34	56.79	53.47	49.95	46.63	43.31	39.17	36.06	33.16
157.5	66.32	62.80	58.65	55.33	52.02	48.50	44.14	41.24	37.93
180.0	68.18	64.66	60.93	57.41	53.05	49.74	46.22	43.11	39.38
202.5	67.56	64.25	59.69	56.16	52.64	49.32	46.01	42.90	38.75
225.0	66.73	63.42	58.65	55.33	51.81	49.12	44.97	41.45	38.34
247.5	65.70	61.14	57.20	54.09	50.77	47.04	43.52	40.41	36.89
270.0	63.42	59.89	55.33	52.02	48.70	45.18	42.07	38.75	35.02
292.5	65.07	60.93	57.41	53.88	50.57	46.22	42.90	39.79	36.06
315.0	66.32	62.80	58.24	54.51	51.40	47.46	44.14	41.03	37.72
337.5	56.58	53.05	49.74	45.80	42.69	38.96	36.06	32.95	29.64
360.0	56.58	53.05	49.12	46.63	42.07	38.96	35.85	32.74	29.43

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	26.32	23.21	20.10	17.82	14.30	11.81	9.33	6.63	4.97
22.5	26.11	23.42	20.52	18.03	14.92	12.23	10.16	6.84	5.18
45.0	26.94	24.04	21.35	18.44	15.54	12.43	10.16	7.88	5.60
67.5	28.19	24.87	22.18	19.69	16.79	13.47	10.98	8.70	6.63
90.0	29.64	26.73	23.83	20.31	17.41	15.34	13.06	9.53	7.25
112.5	31.92	28.60	25.49	22.80	19.90	16.79	14.09	11.61	9.33
135.0	30.26	27.56	24.04	20.93	18.44	15.75	12.43	10.36	7.67
157.5	35.02	31.50	28.39	25.70	22.80	19.07	16.58	14.09	11.61
180.0	36.48	33.57	30.26	26.53	24.25	20.52	17.82	15.13	12.23
202.5	35.65	32.74	29.01	26.32	23.42	20.52	17.62	14.92	12.43
225.0	35.44	31.92	29.01	26.11	23.00	19.69	16.99	14.30	11.81
247.5	33.57	31.09	27.56	24.66	22.38	18.65	15.96	13.47	11.19
270.0	32.54	29.43	26.32	22.80	20.10	17.41	14.92	12.02	9.74
292.5	33.16	30.26	27.15	24.04	21.14	18.65	14.92	12.23	9.95
315.0	35.02	30.88	27.77	25.08	22.80	18.86	16.37	13.89	11.61
337.5	26.11	23.21	20.31	17.62	15.13	12.23	9.95	7.46	5.18
360.0	26.32	23.21	20.10	17.82	14.30	11.81	9.33	6.63	4.97

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	2.69	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
22.5	3.11	2.07	2.07	2.07	2.07	1.87	2.07	2.07	2.07
45.0	3.52	2.28	2.07	2.07	1.87	1.87	2.07	2.07	2.07
67.5	4.35	2.49	1.87	1.87	2.07	2.07	2.07	2.07	2.07
90.0	5.39	3.32	2.07	1.87	1.87	1.87	1.87	1.87	1.87
112.5	6.42	4.35	2.69	1.87	1.87	1.87	2.07	1.87	1.66
135.0	5.39	3.52	2.28	1.87	1.87	1.87	1.87	1.87	1.87
157.5	8.70	6.84	4.77	2.90	1.87	1.66	1.87	1.87	1.66
180.0	9.95	7.25	5.18	3.32	1.87	1.87	2.07	1.87	1.87
202.5	10.16	7.05	5.18	3.11	1.87	1.66	1.66	1.66	1.87
225.0	9.53	7.05	4.56	2.69	1.87	1.66	1.66	1.87	1.66
247.5	8.91	5.80	3.94	2.49	1.66	1.66	1.87	1.66	1.66
270.0	7.25	5.18	2.90	1.66	1.66	1.66	1.66	1.87	1.87
292.5	7.88	5.80	3.32	2.07	1.66	1.66	1.66	1.66	1.66
315.0	8.91	6.01	4.14	2.49	1.87	1.66	1.87	1.87	1.87
337.5	3.32	2.07	1.66	1.66	1.87	1.87	1.66	1.66	1.66
360.0	2.69	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	1.66	1.87	1.66	1.87	1.87	1.87	1.87	1.87	1.87
22.5	1.87	2.07	1.87	1.87	2.07	1.66	1.66	1.66	1.66
45.0	2.07	1.87	1.87	2.07	1.87	1.87	1.66	1.66	1.87
67.5	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.66	1.87
90.0	1.66	1.66	1.66	1.87	1.66	1.66	1.66	1.87	1.87
112.5	1.87	1.87	1.66	1.87	1.87	1.87	1.66	1.87	1.87
135.0	1.87	1.87	1.66	1.66	1.66	1.66	1.66	1.66	1.87
157.5	1.87	1.87	1.66	1.87	1.45	1.66	1.87	1.87	1.66
180.0	1.66	1.66	1.66	1.87	1.87	1.66	2.07	1.87	1.66
202.5	1.66	1.66	1.66	1.66	1.87	1.66	1.66	1.87	1.66
225.0	1.66	1.66	1.66	1.66	1.66	1.66	1.87	1.66	1.87
247.5	1.87	1.66	1.66	1.66	1.66	1.66	1.66	1.87	1.87
270.0	1.66	1.87	1.66	1.66	1.66	1.87	1.87	1.87	1.87
292.5	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
315.0	1.66	1.66	1.87	1.66	1.66	1.87	1.87	1.66	1.66
337.5	1.87	1.66	1.66	1.87	1.87	1.87	1.87	1.87	1.87
360.0	1.66	1.87	1.66	1.87	1.87	1.87	1.87	1.87	1.87

C/γ(°)	180.0
0.0	1.87
22.5	1.87
45.0	1.87
67.5	1.87
90.0	1.87
112.5	1.87
135.0	1.87
157.5	1.87
180.0	1.87
202.5	1.87
225.0	1.87
247.5	1.87
270.0	1.87
292.5	1.87
315.0	1.87
337.5	1.87
360.0	1.87