



LumCAT:

Luminaire: TY-BUS-40-DW (Type 3)

Report No:

Voltage(V): 220.0500

Test No:

Current(A): 0.1800

LampCAT:

Power (W): 37.9900

Lamp flux(lm)

PF: 0.9618

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 4735.19

Lumens(lm)/Power(W): 124.64

Central intensity(cd): 1095.175

Maximum intensity(cd): 2135.070

Angle of maximum intensity: $C=22.5$ $\gamma=68.0$

Beam Angle(50%Imax): [C0/180]Total=148.0

[C90/270]Total=107.3

Field angle(10%Imax): [C0/180]Total=158.1

[C90/270]Total=141.3

Maximum s/h(1/2): C0_180=1.68 C90_270=2.14

Maximum s/h(1/4): C0_180=1.91 C90_270=1.95

Up flux rate of LUM(%): 0.31%

Down flux rate of LUM(%): 99.69%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 76.026%

Zonal flux distribution table

Page: 2 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	1095.176	.000	.000	.000%	.000%	.000%
1.0	1097.562	1.049	1.049	.022%	.022%	.022%
2.0	1098.561	3.152	4.201	.067%	.089%	.089%
3.0	1099.407	5.257	9.458	.111%	.200%	.200%
4.0	1100.670	7.364	16.822	.156%	.355%	.355%
5.0	1102.626	9.478	26.301	.200%	.555%	.555%
6.0	1104.236	11.598	37.899	.245%	.800%	.800%
7.0	1105.721	13.717	51.616	.290%	1.090%	1.090%
8.0	1107.747	15.841	67.457	.335%	1.425%	1.425%
9.0	1110.411	17.977	85.434	.380%	1.804%	1.804%
10.0	1113.311	20.124	105.558	.425%	2.229%	2.229%
11.0	1116.336	22.279	127.837	.470%	2.700%	2.700%
12.0	1119.319	24.439	152.276	.516%	3.216%	3.216%
13.0	1122.274	26.602	178.878	.562%	3.778%	3.778%
14.0	1125.147	28.767	207.644	.608%	4.385%	4.385%
15.0	1128.491	30.939	238.583	.653%	5.039%	5.039%
16.0	1131.946	33.122	271.705	.699%	5.738%	5.738%
17.0	1134.887	35.301	307.006	.745%	6.483%	6.483%
18.0	1138.273	37.479	344.485	.792%	7.275%	7.275%
19.0	1142.408	39.679	384.164	.838%	8.113%	8.113%
20.0	1146.376	41.891	426.056	.885%	8.998%	8.998%
21.0	1150.345	44.102	470.157	.931%	9.929%	9.929%
22.0	1153.439	46.296	516.453	.978%	10.907%	10.907%
23.0	1157.713	48.494	564.947	1.024%	11.931%	11.931%
24.0	1161.473	50.706	615.653	1.071%	13.002%	13.002%
25.0	1164.567	52.889	668.542	1.117%	14.119%	14.119%
26.0	1168.161	55.064	723.606	1.163%	15.281%	15.281%
27.0	1171.949	57.251	780.857	1.209%	16.491%	16.491%
28.0	1175.723	59.438	840.295	1.255%	17.746%	17.746%
29.0	1178.956	61.605	901.901	1.301%	19.047%	19.047%
30.0	1182.675	63.764	965.664	1.347%	20.393%	20.393%
31.0	1186.130	65.920	1031.584	1.392%	21.786%	21.786%
32.0	1189.099	68.048	1099.632	1.437%	23.223%	23.223%
33.0	1192.430	70.161	1169.793	1.482%	24.704%	24.704%
34.0	1195.330	72.261	1242.053	1.526%	26.230%	26.230%
35.0	1197.467	74.311	1316.365	1.569%	27.800%	27.800%
36.0	1198.632	76.292	1392.657	1.611%	29.411%	29.411%
37.0	1199.575	78.216	1470.873	1.652%	31.063%	31.063%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Zonal flux distribution table

Page: 3 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	1200.519	80.112	1550.985	1.692%	32.754%	32.754%
39.0	1200.935	81.968	1632.953	1.731%	34.486%	34.486%
40.0	1201.005	83.771	1716.724	1.769%	36.255%	36.255%
41.0	1200.006	85.499	1802.223	1.806%	38.060%	38.060%
42.0	1198.771	87.152	1889.375	1.841%	39.901%	39.901%
43.0	1197.688	88.772	1978.147	1.875%	41.775%	41.775%
44.0	1196.856	90.377	2068.523	1.909%	43.684%	43.684%
45.0	1192.818	91.838	2160.361	1.939%	45.624%	45.624%
46.0	1188.864	93.142	2253.504	1.967%	47.591%	47.591%
47.0	1183.910	94.371	2347.875	1.993%	49.584%	49.584%
48.0	1178.929	95.518	2443.393	2.017%	51.601%	51.601%
49.0	1169.535	96.441	2539.834	2.037%	53.637%	53.637%
50.0	1161.168	97.175	2637.009	2.052%	55.690%	55.690%
51.0	1148.957	97.738	2734.747	2.064%	57.754%	57.754%
52.0	1135.637	98.034	2832.781	2.070%	59.824%	59.824%
53.0	1121.692	98.194	2930.974	2.074%	61.898%	61.898%
54.0	1103.584	98.081	3029.055	2.071%	63.969%	63.969%
55.0	1083.437	97.625	3126.680	2.062%	66.031%	66.031%
56.0	1062.498	96.969	3223.649	2.048%	68.079%	68.079%
57.0	1041.657	96.207	3319.856	2.032%	70.110%	70.110%
58.0	1015.363	95.124	3414.979	2.009%	72.119%	72.119%
59.0	984.059	93.474	3508.454	1.974%	74.093%	74.093%
60.0	953.283	91.527	3599.981	1.933%	76.026%	76.026%
61.0	919.690	89.382	3689.363	1.888%	77.914%	77.914%
62.0	881.172	86.776	3776.139	1.833%	79.746%	79.746%
63.0	844.470	83.927	3860.066	1.772%	81.519%	81.519%
64.0	802.663	80.824	3940.890	1.707%	83.226%	83.226%
65.0	762.382	77.453	4018.343	1.636%	84.861%	84.861%
66.0	723.711	74.146	4092.490	1.566%	86.427%	86.427%
67.0	686.094	70.889	4163.378	1.497%	87.924%	87.924%
68.0	646.091	67.484	4230.862	1.425%	89.349%	89.349%
69.0	599.968	63.568	4294.430	1.342%	90.692%	90.692%
70.0	552.763	59.202	4353.632	1.250%	91.942%	91.942%
71.0	503.630	54.600	4408.232	1.153%	93.095%	93.095%
72.0	453.580	49.772	4458.004	1.051%	94.146%	94.146%
73.0	401.866	44.734	4502.738	.945%	95.091%	95.091%
74.0	354.217	39.749	4542.487	.839%	95.930%	95.930%
75.0	300.907	34.614	4577.101	.731%	96.661%	96.661%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Zonal flux distribution table

Page: 4 Total:24

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	254.743	29.496	4606.597	.623%	97.284%	97.284%
77.0	213.296	24.954	4631.551	.527%	97.811%	97.811%
78.0	162.053	20.093	4651.644	.424%	98.236%	98.236%
79.0	122.022	15.263	4666.907	.322%	98.558%	98.558%
80.0	93.203	11.603	4678.510	.245%	98.803%	98.803%
81.0	73.902	9.037	4687.546	.191%	98.994%	98.994%
82.0	59.110	7.213	4694.759	.152%	99.146%	99.146%
83.0	51.284	6.001	4700.760	.127%	99.273%	99.273%
84.0	41.488	5.054	4705.814	.107%	99.380%	99.380%
85.0	33.746	4.106	4709.920	.087%	99.466%	99.466%
86.0	26.530	3.295	4713.215	.070%	99.536%	99.536%
87.0	20.786	2.590	4715.805	.055%	99.591%	99.591%
88.0	16.151	2.023	4717.828	.043%	99.633%	99.633%
89.0	12.155	1.552	4719.379	.033%	99.666%	99.666%
90.0	9.907	1.210	4720.589	.026%	99.692%	99.692%
91.0	7.770	.969	4721.558	.020%	99.712%	99.712%
92.0	5.800	.744	4722.302	.016%	99.728%	99.728%
93.0	4.662	.573	4722.875	.012%	99.740%	99.740%
94.0	4.079	.478	4723.354	.010%	99.750%	99.750%
95.0	3.497	.414	4723.768	.009%	99.759%	99.759%
96.0	3.080	.359	4724.126	.008%	99.766%	99.766%
97.0	2.664	.313	4724.439	.007%	99.773%	99.773%
98.0	2.414	.276	4724.715	.006%	99.779%	99.779%
99.0	2.220	.251	4724.967	.005%	99.784%	99.784%
100.0	1.970	.227	4725.193	.005%	99.789%	99.789%
101.0	1.887	.208	4725.401	.004%	99.793%	99.793%
102.0	1.776	.197	4725.598	.004%	99.798%	99.798%
103.0	1.637	.183	4725.781	.004%	99.801%	99.801%
104.0	1.554	.170	4725.951	.004%	99.805%	99.805%
105.0	1.471	.161	4726.111	.003%	99.808%	99.808%
106.0	1.471	.155	4726.267	.003%	99.812%	99.812%
107.0	1.471	.155	4726.421	.003%	99.815%	99.815%
108.0	1.457	.153	4726.575	.003%	99.818%	99.818%
109.0	1.457	.152	4726.726	.003%	99.821%	99.821%
110.0	1.415	.148	4726.875	.003%	99.824%	99.824%
111.0	1.499	.150	4727.024	.003%	99.828%	99.828%
112.0	1.471	.151	4727.175	.003%	99.831%	99.831%
113.0	1.512	.151	4727.326	.003%	99.834%	99.834%

Equipment:
Temperature($^{\circ}\text{C}$): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	1.499	.151	4727.478	.003%	99.837%	99.837%
115.0	1.582	.154	4727.631	.003%	99.840%	99.840%
116.0	1.637	.159	4727.791	.003%	99.844%	99.844%
117.0	1.693	.163	4727.954	.003%	99.847%	99.847%
118.0	1.748	.167	4728.122	.004%	99.851%	99.851%
119.0	1.832	.173	4728.294	.004%	99.854%	99.854%
120.0	1.832	.175	4728.469	.004%	99.858%	99.858%
121.0	1.818	.172	4728.641	.004%	99.862%	99.862%
122.0	1.859	.172	4728.813	.004%	99.865%	99.865%
123.0	1.970	.177	4728.990	.004%	99.869%	99.869%
124.0	1.998	.181	4729.172	.004%	99.873%	99.873%
125.0	1.984	.180	4729.352	.004%	99.877%	99.877%
126.0	2.109	.183	4729.535	.004%	99.881%	99.881%
127.0	2.054	.183	4729.718	.004%	99.885%	99.885%
128.0	2.081	.180	4729.898	.004%	99.888%	99.888%
129.0	2.137	.181	4730.079	.004%	99.892%	99.892%
130.0	2.192	.183	4730.262	.004%	99.896%	99.896%
131.0	2.165	.182	4730.444	.004%	99.900%	99.900%
132.0	2.206	.179	4730.624	.004%	99.904%	99.904%
133.0	2.331	.183	4730.807	.004%	99.908%	99.908%
134.0	2.276	.183	4730.990	.004%	99.911%	99.911%
135.0	2.331	.180	4731.170	.004%	99.915%	99.915%
136.0	2.276	.177	4731.348	.004%	99.919%	99.919%
137.0	2.303	.173	4731.521	.004%	99.923%	99.923%
138.0	2.289	.170	4731.690	.004%	99.926%	99.926%
139.0	2.276	.166	4731.856	.004%	99.930%	99.930%
140.0	2.276	.162	4732.019	.003%	99.933%	99.933%
141.0	2.276	.159	4732.177	.003%	99.936%	99.936%
142.0	2.248	.154	4732.332	.003%	99.940%	99.940%
143.0	2.220	.149	4732.480	.003%	99.943%	99.943%
144.0	2.276	.147	4732.627	.003%	99.946%	99.946%
145.0	2.276	.145	4732.772	.003%	99.949%	99.949%
146.0	2.262	.141	4732.913	.003%	99.952%	99.952%
147.0	2.317	.139	4733.052	.003%	99.955%	99.955%
148.0	2.289	.136	4733.188	.003%	99.958%	99.958%
149.0	2.234	.130	4733.317	.003%	99.961%	99.961%
150.0	2.276	.125	4733.442	.003%	99.963%	99.963%
151.0	2.206	.121	4733.563	.003%	99.966%	99.966%

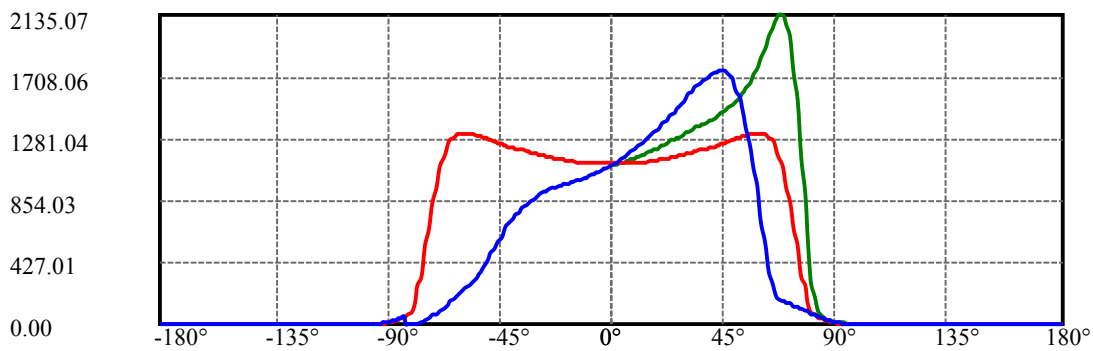
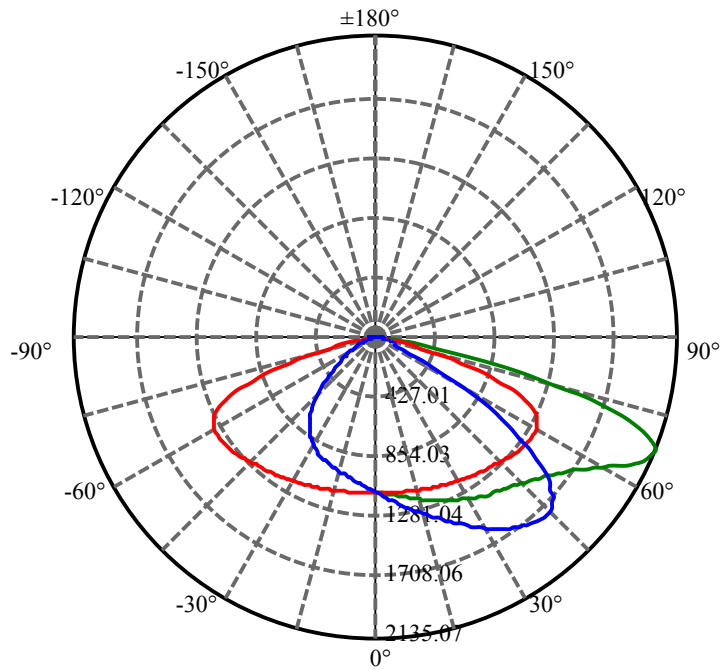
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	2.192	.115	4733.679	.002%	99.968%	99.968%
153.0	2.234	.112	4733.791	.002%	99.971%	99.971%
154.0	2.192	.108	4733.899	.002%	99.973%	99.973%
155.0	2.137	.102	4734.001	.002%	99.975%	99.975%
156.0	2.165	.098	4734.099	.002%	99.977%	99.977%
157.0	2.151	.094	4734.193	.002%	99.979%	99.979%
158.0	2.081	.089	4734.282	.002%	99.981%	99.981%
159.0	2.081	.084	4734.366	.002%	99.983%	99.983%
160.0	2.081	.080	4734.446	.002%	99.984%	99.984%
161.0	2.067	.076	4734.522	.002%	99.986%	99.986%
162.0	2.012	.071	4734.593	.001%	99.987%	99.987%
163.0	2.054	.067	4734.660	.001%	99.989%	99.989%
164.0	1.984	.063	4734.723	.001%	99.990%	99.990%
165.0	1.984	.058	4734.781	.001%	99.991%	99.991%
166.0	1.984	.054	4734.835	.001%	99.993%	99.993%
167.0	1.915	.050	4734.885	.001%	99.994%	99.994%
168.0	1.943	.046	4734.931	.001%	99.995%	99.995%
169.0	1.943	.042	4734.974	.001%	99.996%	99.996%
170.0	1.915	.039	4735.012	.001%	99.996%	99.996%
171.0	1.873	.034	4735.046	.001%	99.997%	99.997%
172.0	1.873	.030	4735.077	.001%	99.998%	99.998%
173.0	1.901	.027	4735.104	.001%	99.998%	99.998%
174.0	1.873	.023	4735.127	.000%	99.999%	99.999%
175.0	1.845	.020	4735.146	.000%	99.999%	99.999%
176.0	1.873	.016	4735.163	.000%	100.000%	100.000%
177.0	1.873	.013	4735.175	.000%	100.000%	100.000%
178.0	1.943	.009	4735.185	.000%	100.000%	100.000%
179.0	1.832	.005	4735.190	.000%	100.000%	100.000%
180.0	1.776	.002	4735.192	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	965.66	20.39%
0-40	1716.72	36.25%
0-60	3599.98	76.03%
0-90	4720.59	99.69%
0-120	4728.47	99.86%
0-180	4735.19	100.00%
60-90	1212.14	25.60%
90-120	9.09	0.19%
90-130	10.88	0.23%
90-150	14.06	0.30%
90-180	15.81	0.33%
0-62.14	3788.15	80.00%

ZONAL LUMEN SUMMARY

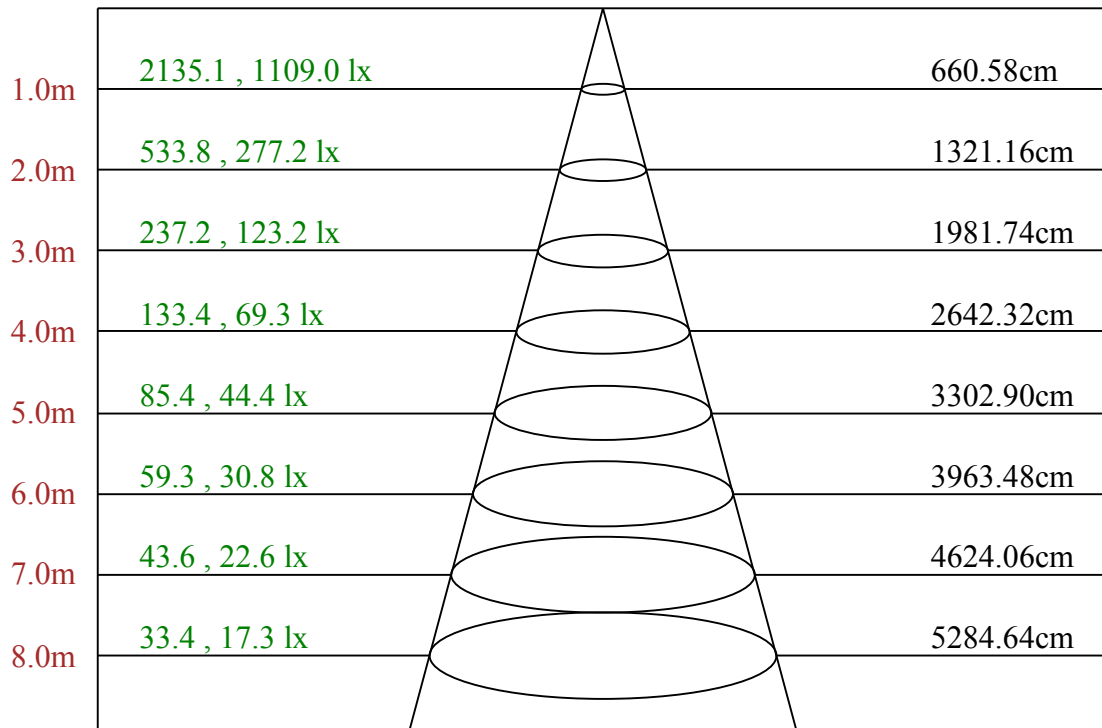
0-10	105.56
10-20	320.50
20-30	539.61
30-40	751.06
40-50	920.29
50-60	962.97
60-70	753.65
70-80	324.88
80-90	42.08
90-100	4.60
100-110	1.68
110-120	1.59
120-130	1.79
130-140	1.76
140-150	1.42
150-160	1.00
160-170	0.57
170-180	0.18



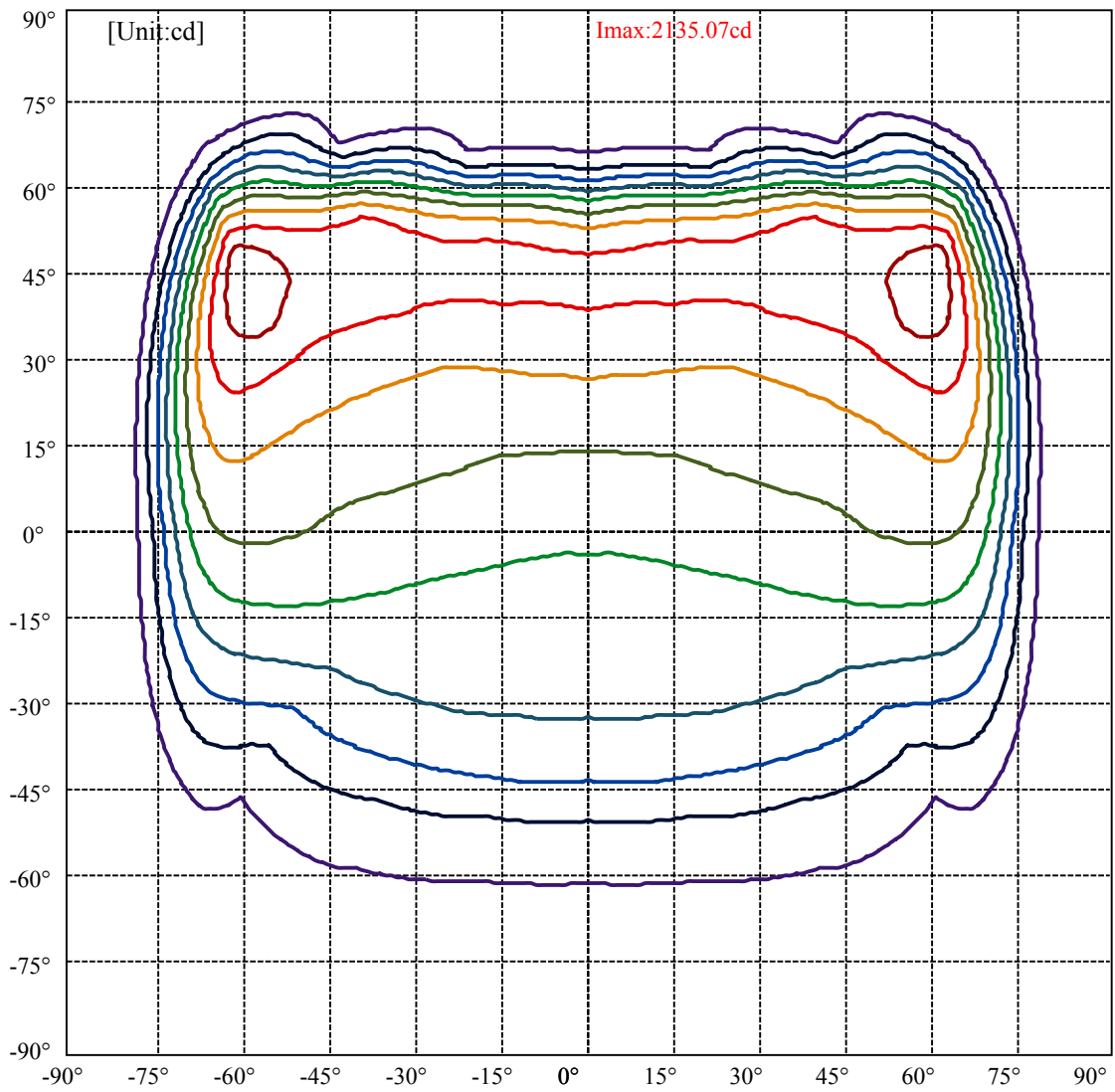
C22.5(Max): —
 C0/C180: —
 C90/C270: —










Field angle(10%Imax):C0/180Left:79.0 Right:79.0
 :C90/270Left:66.5 Right:74.8

Beam Angle(50%Imax):C0/180Left:74.0 Right:74.0
 :C90/270Left:46.1 Right:61.2



Max , Ave Beam angle of C22.5plane137.99

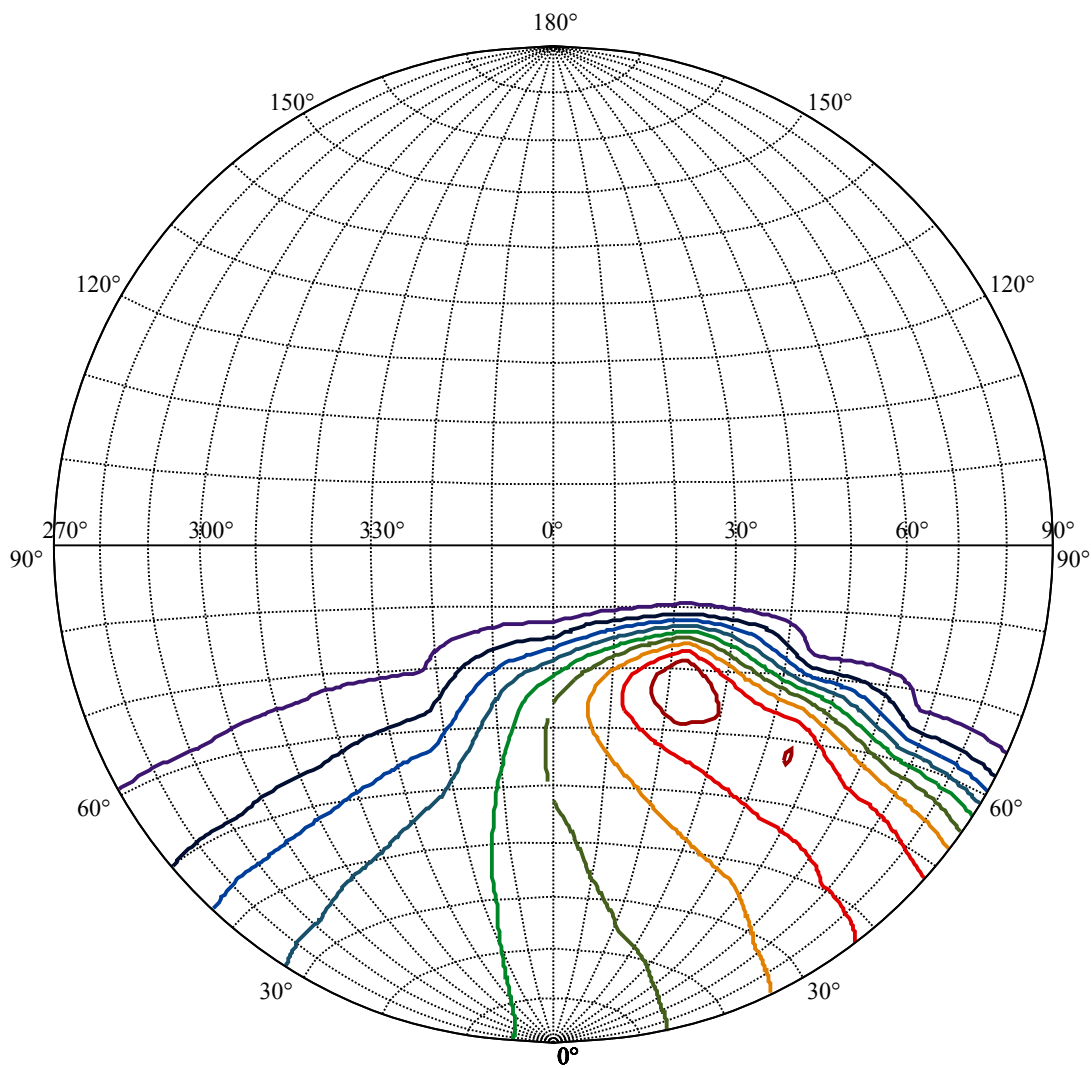


(10%Imax)	212.49	
(20%Imax)	424.981	
(30%Imax)	637.471	
(40%Imax)	849.961	
(50%Imax)	1062.45	
(60%Imax)	1274.94	
(70%Imax)	1487.43	
(80%Imax)	1699.92	
(90%Imax)	1912.41	

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38



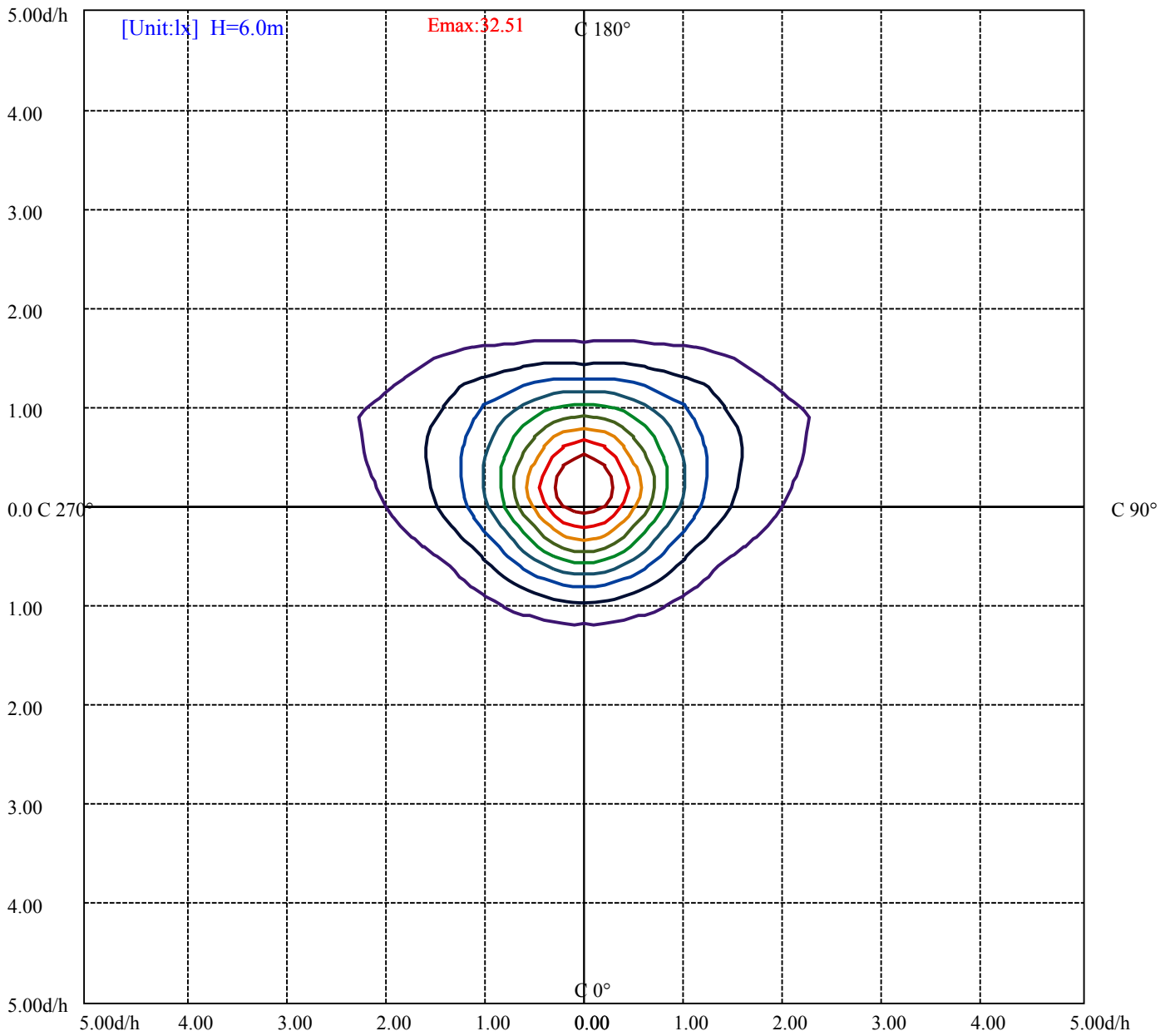
House

[Unit:cd]

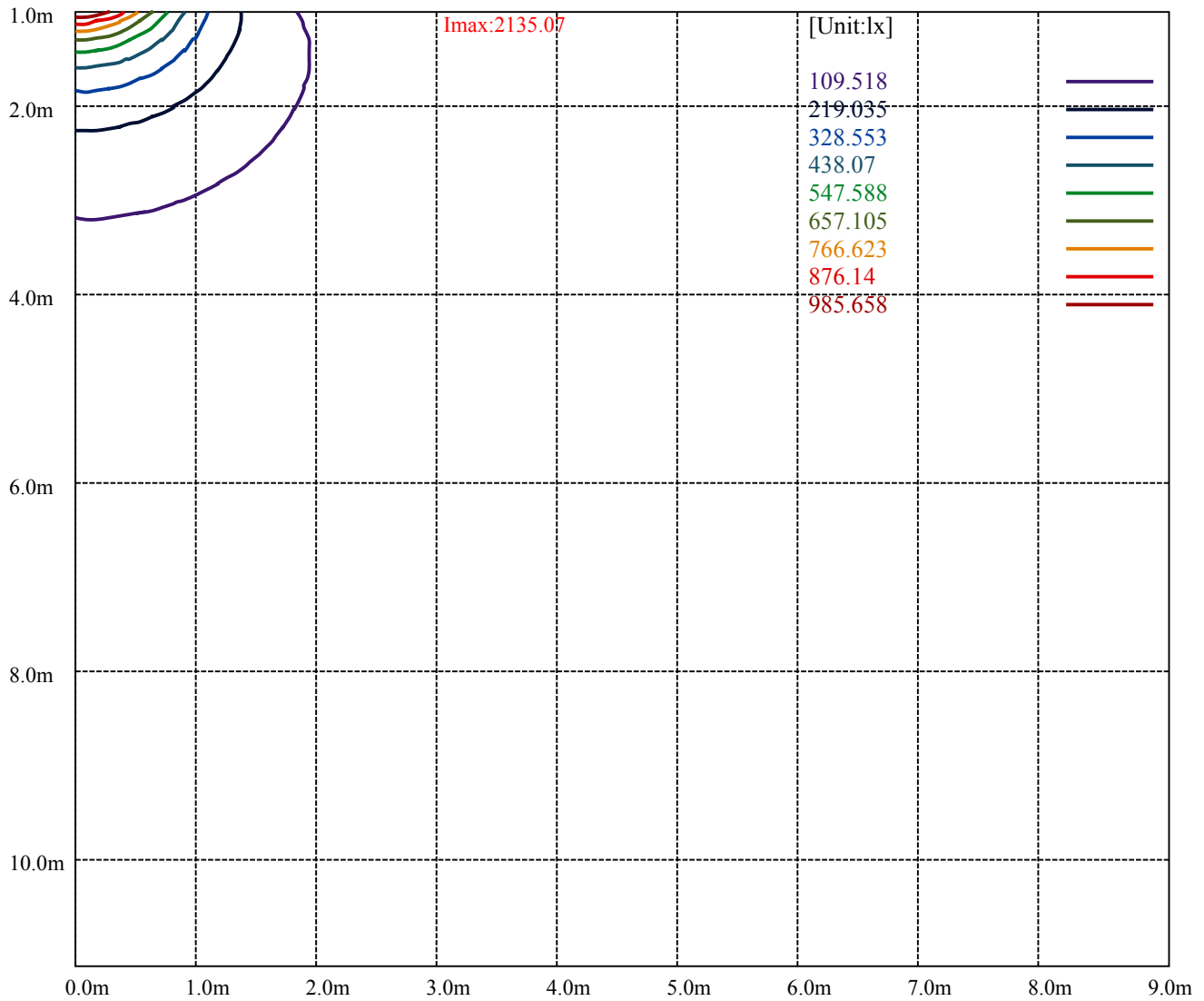
Road

Imax:2135.07

(10%Imax) 211.22	—
(20%Imax) 422.441	—
(30%Imax) 633.661	—
(40%Imax) 844.881	—
(50%Imax) 1056.1	—
(60%Imax) 1267.32	—
(70%Imax) 1478.54	—
(80%Imax) 1689.76	—
(90%Imax) 1900.98	—



- (10%Emax) 3.251417 ———
- (20%Emax) 6.502861 ———
- (30%Emax) 9.754277 ———
- (40%Emax) 13.00572 ———
- (50%Emax) 16.25714 ———
- (60%Emax) 19.50855 ———
- (70%Emax) 22.76 ———
- (80%Emax) 26.01142 ———
- (90%Emax) 29.26278 ———



Luminance Table

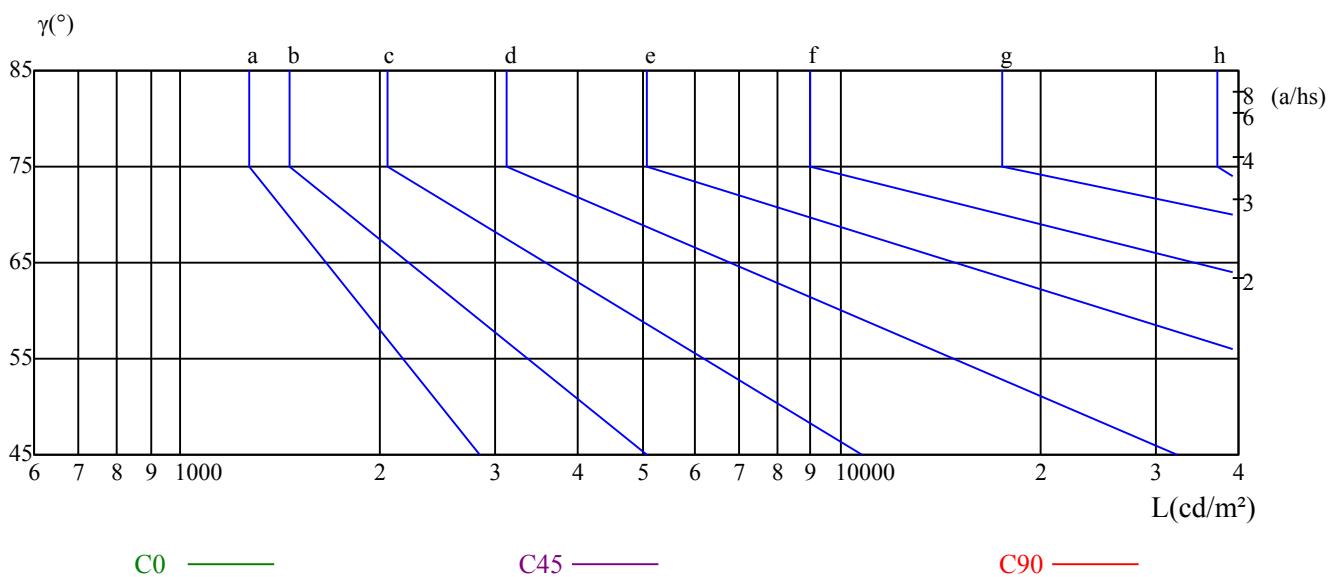
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

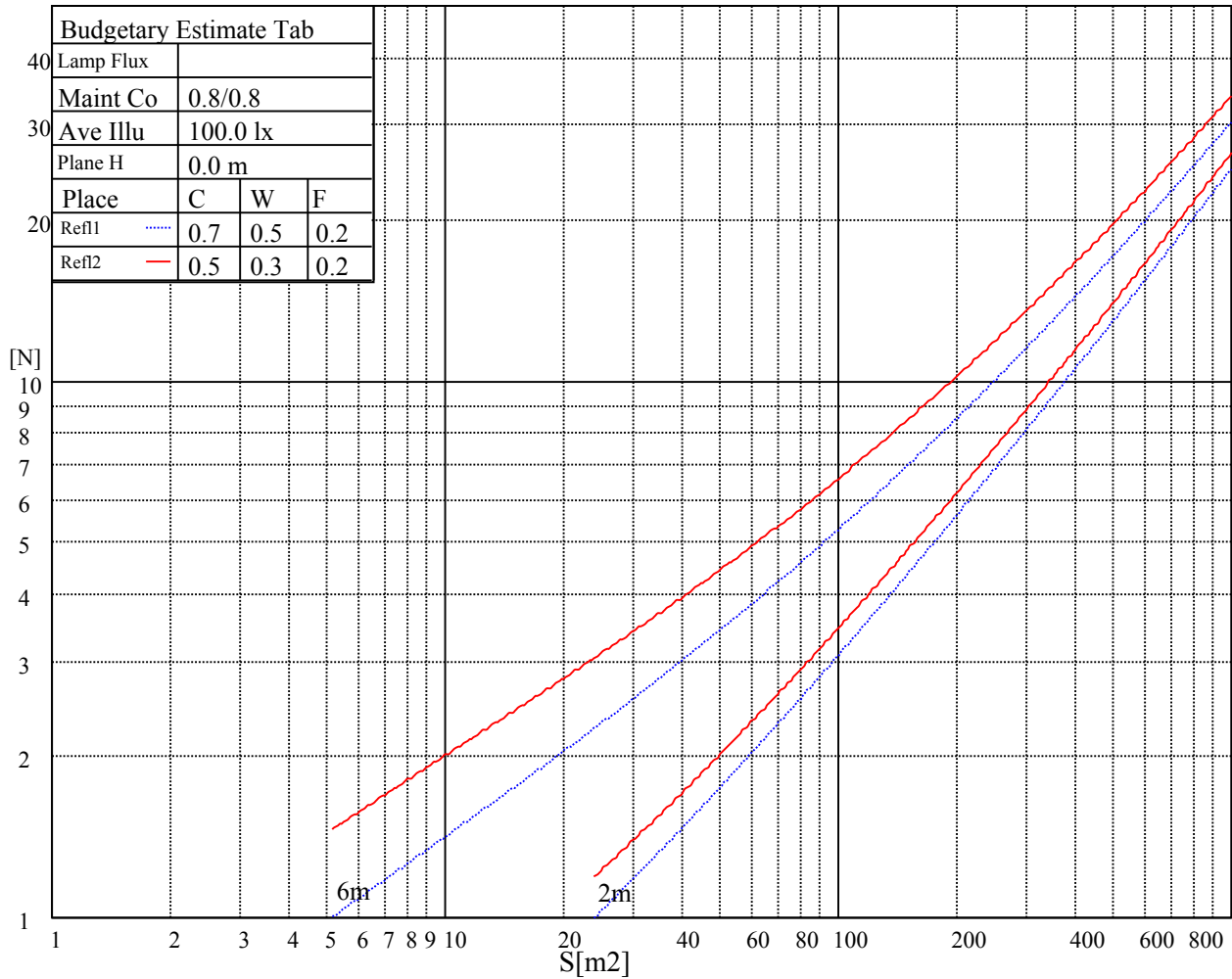
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

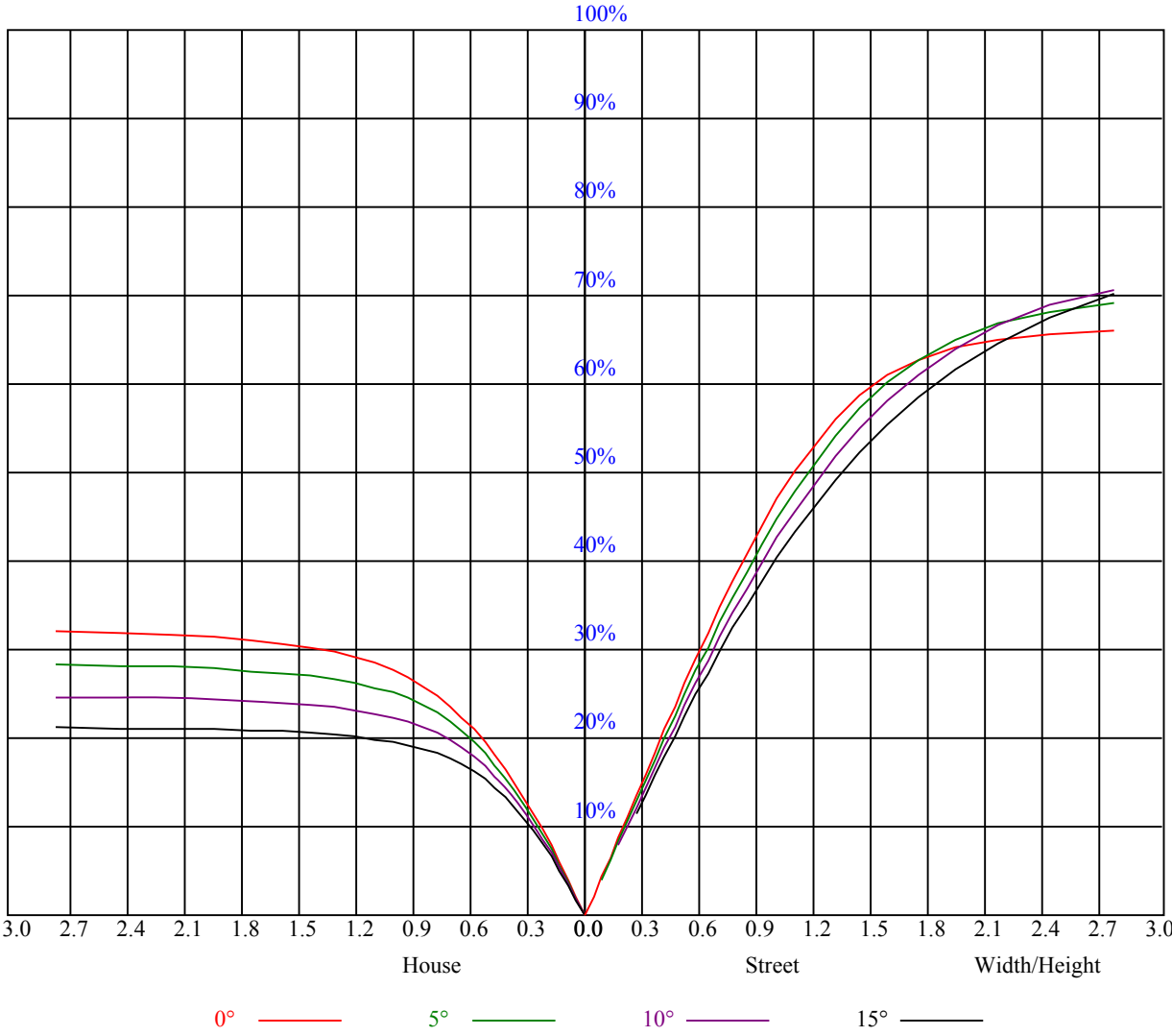
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





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	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.03	0.99	0.95	1.01	0.97	0.93	0.97	0.93	0.90	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.89	0.82	0.76	0.87	0.80	0.75	0.83	0.78	0.73	0.80	0.75	0.71	0.77	0.73	0.70	0.67
3	0.77	0.68	0.62	0.75	0.67	0.61	0.72	0.65	0.60	0.70	0.64	0.59	0.67	0.62	0.58	0.55
4	0.67	0.58	0.51	0.66	0.57	0.51	0.63	0.56	0.50	0.61	0.54	0.49	0.59	0.53	0.48	0.46
5	0.59	0.50	0.43	0.58	0.49	0.43	0.56	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.41	0.39
6	0.53	0.43	0.37	0.52	0.43	0.36	0.50	0.42	0.36	0.48	0.41	0.36	0.47	0.40	0.35	0.33
7	0.47	0.38	0.32	0.47	0.38	0.32	0.45	0.37	0.31	0.43	0.36	0.31	0.42	0.36	0.31	0.29
8	0.43	0.34	0.28	0.42	0.34	0.28	0.41	0.33	0.27	0.39	0.32	0.27	0.38	0.32	0.27	0.25
9	0.39	0.30	0.25	0.38	0.30	0.25	0.37	0.30	0.24	0.36	0.29	0.24	0.35	0.29	0.24	0.22
10	0.36	0.28	0.22	0.35	0.27	0.22	0.34	0.27	0.22	0.33	0.26	0.22	0.32	0.26	0.22	0.20



Intensity data(cd)

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C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1095.18	1107.83	1108.50	1108.94	1109.16	1109.16	1109.16	1109.16	1109.61
22.5	1095.18	1100.73	1104.72	1108.27	1112.71	1118.04	1123.37	1128.48	1134.03
45.0	1095.18	1102.06	1109.83	1118.71	1127.15	1138.25	1147.57	1157.12	1166.89
67.5	1095.18	1105.39	1115.16	1125.59	1138.47	1153.12	1164.44	1177.32	1189.31
90.0	1095.18	1104.06	1117.60	1128.70	1140.69	1153.79	1168.66	1180.87	1193.53
112.5	1095.18	1105.39	1115.16	1125.59	1138.47	1153.12	1164.44	1177.32	1189.31
135.0	1095.18	1102.06	1109.83	1118.71	1127.15	1138.25	1147.57	1157.12	1166.89
157.5	1095.18	1100.73	1104.72	1108.27	1112.71	1118.04	1123.37	1128.48	1134.03
180.0	1095.18	1107.83	1108.50	1108.94	1109.16	1109.16	1109.16	1109.16	1109.61
202.5	1095.18	1093.40	1090.07	1086.74	1083.41	1079.86	1076.97	1074.08	1072.09
225.0	1095.18	1088.29	1082.30	1076.53	1069.87	1063.65	1058.10	1052.77	1047.44
247.5	1095.18	1087.41	1079.86	1070.98	1063.65	1055.44	1047.67	1038.79	1031.90
270.0	1095.18	1086.74	1078.53	1070.31	1061.21	1053.22	1044.56	1035.23	1027.91
292.5	1095.18	1087.41	1079.86	1070.98	1063.65	1055.44	1047.67	1038.79	1031.90
315.0	1095.18	1088.29	1082.30	1076.53	1069.87	1063.65	1058.10	1052.77	1047.44
337.5	1095.18	1093.40	1090.07	1086.74	1083.41	1079.86	1076.97	1074.08	1072.09
360.0	1095.18	1107.83	1108.50	1108.94	1109.16	1109.16	1109.16	1109.16	1109.61
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1110.49	1112.05	1114.27	1115.82	1117.82	1120.26	1122.71	1126.26	1128.92
22.5	1141.13	1148.46	1155.34	1163.11	1171.55	1179.54	1187.09	1195.52	1203.07
45.0	1177.99	1188.64	1199.30	1209.07	1219.50	1229.71	1239.93	1252.58	1262.79
67.5	1203.07	1214.84	1229.27	1241.92	1254.36	1265.46	1280.78	1292.54	1303.87
90.0	1206.62	1223.72	1237.04	1251.25	1265.46	1278.56	1294.10	1306.75	1321.40
112.5	1203.07	1214.84	1229.27	1241.92	1254.36	1265.46	1280.78	1292.54	1303.87
135.0	1177.99	1188.64	1199.30	1209.07	1219.50	1229.71	1239.93	1252.58	1262.79
157.5	1141.13	1148.46	1155.34	1163.11	1171.55	1179.54	1187.09	1195.52	1203.07
180.0	1110.49	1112.05	1114.27	1115.82	1117.82	1120.26	1122.71	1126.26	1128.92
202.5	1070.31	1068.09	1066.31	1064.76	1062.54	1060.99	1059.21	1057.43	1054.99
225.0	1041.89	1036.79	1032.13	1026.80	1021.02	1015.70	1010.81	1005.71	1000.16
247.5	1024.58	1018.58	1012.37	1007.04	1000.82	995.27	988.83	983.28	977.95
270.0	1021.02	1014.36	1006.37	1000.82	995.71	989.94	983.06	977.73	973.29
292.5	1024.58	1018.58	1012.37	1007.04	1000.82	995.27	988.83	983.28	977.95
315.0	1041.89	1036.79	1032.13	1026.80	1021.02	1015.70	1010.81	1005.71	1000.16
337.5	1070.31	1068.09	1066.31	1064.76	1062.54	1060.99	1059.21	1057.43	1054.99
360.0	1110.49	1112.05	1114.27	1115.82	1117.82	1120.26	1122.71	1126.26	1128.92
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1131.59	1134.69	1137.58	1140.24	1142.91	1146.90	1150.68	1154.67	1159.78
22.5	1211.73	1219.72	1229.05	1239.04	1246.59	1257.91	1266.57	1275.23	1283.22
45.0	1271.23	1281.22	1290.32	1301.42	1311.19	1321.63	1330.95	1341.61	1351.60
67.5	1316.96	1332.95	1348.27	1363.14	1376.91	1391.56	1407.99	1422.20	1435.74
90.0	1337.39	1358.70	1377.13	1396.89	1410.65	1430.85	1446.40	1460.38	1481.92
112.5	1316.96	1332.95	1348.27	1363.14	1376.91	1391.56	1407.99	1422.20	1435.74
135.0	1271.23	1281.22	1290.32	1301.42	1311.19	1321.63	1330.95	1341.61	1351.60
157.5	1211.73	1219.72	1229.05	1239.04	1246.59	1257.91	1266.57	1275.23	1283.22
180.0	1131.59	1134.69	1137.58	1140.24	1142.91	1146.90	1150.68	1154.67	1159.78
202.5	1052.77	1050.33	1047.89	1044.34	1041.67	1038.34	1035.23	1031.01	1027.02
225.0	995.94	990.61	986.17	981.28	976.18	971.07	965.74	961.30	957.53
247.5	972.63	968.19	963.97	958.86	953.75	948.43	943.54	936.44	930.67
270.0	969.30	964.41	958.42	951.98	945.98	940.88	935.77	927.78	917.57
292.5	972.63	968.19	963.97	958.86	953.75	948.43	943.54	936.44	930.67
315.0	995.94	990.61	986.17	981.28	976.18	971.07	965.74	961.30	957.53
337.5	1052.77	1050.33	1047.89	1044.34	1041.67	1038.34	1035.23	1031.01	1027.02
360.0	1131.59	1134.69	1137.58	1140.24	1142.91	1146.90	1150.68	1154.67	1159.78

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 19 Total:24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1163.33	1167.33	1171.33	1175.77	1180.43	1185.09	1191.08	1196.86	1200.41
22.5	1290.99	1300.31	1308.97	1321.18	1331.17	1341.16	1351.38	1362.48	1371.80
45.0	1361.37	1370.91	1382.68	1391.78	1401.33	1412.87	1422.86	1438.18	1451.28
67.5	1453.72	1471.48	1487.91	1504.34	1523.66	1544.08	1564.50	1581.38	1602.02
90.0	1503.45	1524.10	1544.08	1568.28	1588.70	1608.02	1628.00	1643.76	1658.42
112.5	1453.72	1471.48	1487.91	1504.34	1523.66	1544.08	1564.50	1581.38	1602.02
135.0	1361.37	1370.91	1382.68	1391.78	1401.33	1412.87	1422.86	1438.18	1451.28
157.5	1290.99	1300.31	1308.97	1321.18	1331.17	1341.16	1351.38	1362.48	1371.80
180.0	1163.33	1167.33	1171.33	1175.77	1180.43	1185.09	1191.08	1196.86	1200.41
202.5	1022.80	1018.58	1013.92	1010.59	1007.04	1002.60	998.60	994.60	989.94
225.0	953.09	949.09	944.65	939.55	933.77	925.78	919.12	911.35	900.92
247.5	923.78	915.57	906.02	896.03	885.60	871.83	859.62	844.08	830.10
270.0	909.58	900.92	888.26	876.05	863.40	850.74	836.53	823.66	808.12
292.5	923.78	915.57	906.02	896.03	885.60	871.83	859.62	844.08	830.10
315.0	953.09	949.09	944.65	939.55	933.77	925.78	919.12	911.35	900.92
337.5	1022.80	1018.58	1013.92	1010.59	1007.04	1002.60	998.60	994.60	989.94
360.0	1163.33	1167.33	1171.33	1175.77	1180.43	1185.09	1191.08	1196.86	1200.41
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1203.96	1208.40	1212.84	1217.95	1222.17	1226.16	1230.82	1236.15	1243.70
22.5	1378.24	1383.34	1389.12	1400.00	1409.54	1419.09	1429.52	1440.62	1454.17
45.0	1465.71	1481.03	1503.23	1519.21	1539.20	1558.51	1576.49	1600.47	1624.00
67.5	1618.68	1636.66	1651.98	1667.74	1681.73	1695.05	1708.81	1723.91	1738.34
90.0	1672.18	1689.05	1696.60	1711.48	1722.35	1733.90	1741.89	1747.66	1749.00
112.5	1618.68	1636.66	1651.98	1667.74	1681.73	1695.05	1708.81	1723.91	1738.34
135.0	1465.71	1481.03	1503.23	1519.21	1539.20	1558.51	1576.49	1600.47	1624.00
157.5	1378.24	1383.34	1389.12	1400.00	1409.54	1419.09	1429.52	1440.62	1454.17
180.0	1203.96	1208.40	1212.84	1217.95	1222.17	1226.16	1230.82	1236.15	1243.70
202.5	984.84	977.51	971.29	964.86	957.53	949.31	940.43	930.67	918.90
225.0	890.48	878.72	866.28	850.74	834.98	815.44	795.68	778.59	759.27
247.5	815.44	799.46	783.47	763.49	743.96	723.53	701.77	679.79	660.70
270.0	791.24	773.93	755.28	735.52	715.54	692.01	671.36	634.95	602.54
292.5	815.44	799.46	783.47	763.49	743.96	723.53	701.77	679.79	660.70
315.0	890.48	878.72	866.28	850.74	834.98	815.44	795.68	778.59	759.27
337.5	984.84	977.51	971.29	964.86	957.53	949.31	940.43	930.67	918.90
360.0	1203.96	1208.40	1212.84	1217.95	1222.17	1226.16	1230.82	1236.15	1243.70
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1250.36	1257.47	1264.13	1271.01	1277.00	1285.44	1290.10	1295.43	1300.31
22.5	1465.71	1479.03	1496.13	1512.33	1528.76	1544.52	1562.95	1584.93	1610.46
45.0	1644.87	1665.96	1685.72	1714.36	1735.90	1765.42	1790.07	1817.37	1841.13
67.5	1751.66	1764.54	1774.30	1778.97	1777.86	1766.76	1746.78	1718.80	1680.62
90.0	1745.00	1735.01	1717.47	1692.83	1648.65	1608.02	1568.28	1501.90	1436.18
112.5	1751.66	1764.54	1774.30	1778.97	1777.86	1766.76	1746.78	1718.80	1680.62
135.0	1644.87	1665.96	1685.72	1714.36	1735.90	1765.42	1790.07	1817.37	1841.13
157.5	1465.71	1479.03	1496.13	1512.33	1528.76	1544.52	1562.95	1584.93	1610.46
180.0	1250.36	1257.47	1264.13	1271.01	1277.00	1285.44	1290.10	1295.43	1300.31
202.5	904.25	892.48	878.49	862.06	843.86	823.66	803.23	781.03	753.28
225.0	737.96	717.31	691.34	666.70	642.27	616.97	586.77	551.47	519.95
247.5	626.96	591.66	561.02	531.71	502.85	473.55	433.14	403.84	379.64
270.0	576.56	549.92	522.83	495.75	446.91	418.04	388.96	362.54	340.12
292.5	626.96	591.66	561.02	531.71	502.85	473.55	433.14	403.84	379.64
315.0	737.96	717.31	691.34	666.70	642.27	616.97	586.77	551.47	519.95
337.5	904.25	892.48	878.49	862.06	843.86	823.66	803.23	781.03	753.28
360.0	1250.36	1257.47	1264.13	1271.01	1277.00	1285.44	1290.10	1295.43	1300.31

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 20 Total:24

C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1305.42	1310.08	1312.97	1315.41	1316.52	1314.74	1312.52	1309.64	1300.09
22.5	1633.99	1659.97	1688.61	1722.80	1761.87	1804.05	1847.79	1892.41	1939.04
45.0	1864.44	1883.09	1898.19	1906.62	1907.29	1897.30	1875.32	1839.58	1786.29
67.5	1623.12	1556.07	1489.69	1407.77	1298.54	1178.21	1058.10	926.00	765.27
90.0	1348.05	1248.14	1169.99	1069.42	960.19	803.45	683.57	567.24	459.56
112.5	1623.12	1556.07	1489.69	1407.77	1298.54	1178.21	1058.10	926.00	765.27
135.0	1864.44	1883.09	1898.19	1906.62	1907.29	1897.30	1875.32	1839.58	1786.29
157.5	1633.99	1659.97	1688.61	1722.80	1761.87	1804.05	1847.79	1892.41	1939.04
180.0	1305.42	1310.08	1312.97	1315.41	1316.52	1314.74	1312.52	1309.64	1300.09
202.5	727.75	699.78	662.70	634.06	598.98	565.46	528.61	487.98	452.23
225.0	488.64	455.34	422.26	396.95	366.98	339.23	313.03	291.28	270.19
247.5	352.11	330.35	303.71	285.28	269.08	253.98	237.55	224.67	212.02
270.0	318.36	297.49	273.74	259.31	247.10	235.55	223.12	204.69	188.93
292.5	352.11	330.35	303.71	285.28	269.08	253.98	237.55	224.67	212.02
315.0	488.64	455.34	422.26	396.95	366.98	339.23	313.03	291.28	270.19
337.5	727.75	699.78	662.70	634.06	598.98	565.46	528.61	487.98	452.23
360.0	1305.42	1310.08	1312.97	1315.41	1316.52	1314.74	1312.52	1309.64	1300.09
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1287.21	1269.23	1243.92	1199.96	1155.12	1099.39	1032.79	941.99	853.18
22.5	1995.65	2041.83	2079.79	2112.87	2133.07	2135.07	2118.20	2062.25	1984.33
45.0	1695.27	1592.70	1477.03	1344.05	1193.97	1031.24	818.11	646.94	474.21
67.5	638.50	491.09	374.97	288.17	225.78	186.71	167.17	156.30	148.52
90.0	364.32	277.29	225.56	186.49	168.73	161.18	158.07	151.19	141.86
112.5	638.50	491.09	374.97	288.17	225.78	186.71	167.17	156.30	148.52
135.0	1695.27	1592.70	1477.03	1344.05	1193.97	1031.24	818.11	646.94	474.21
157.5	1995.65	2041.83	2079.79	2112.87	2133.07	2135.07	2118.20	2062.25	1984.33
180.0	1287.21	1269.23	1243.92	1199.96	1155.12	1099.39	1032.79	941.99	853.18
202.5	416.27	380.97	336.57	307.93	279.29	246.65	223.12	202.03	183.38
225.0	253.98	238.66	226.45	213.35	204.03	193.81	185.38	177.39	169.39
247.5	201.14	191.59	182.27	172.50	160.96	147.86	134.98	124.10	114.11
270.0	171.17	153.19	130.54	115.22	104.34	94.80	81.92	71.04	61.94
292.5	201.14	191.59	182.27	172.50	160.96	147.86	134.98	124.10	114.11
315.0	253.98	238.66	226.45	213.35	204.03	193.81	185.38	177.39	169.39
337.5	416.27	380.97	336.57	307.93	279.29	246.65	223.12	202.03	183.38
360.0	1287.21	1269.23	1243.92	1199.96	1155.12	1099.39	1032.79	941.99	853.18
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	756.61	643.38	549.70	414.05	324.58	270.19	158.07	110.56	83.48
22.5	1860.00	1723.91	1547.85	1341.38	1125.81	903.14	654.49	431.14	273.74
45.0	346.11	230.45	165.40	125.21	109.45	98.35	89.25	80.37	70.82
67.5	143.20	141.64	135.87	126.32	113.67	100.13	90.14	80.37	73.26
90.0	132.32	122.99	114.34	108.12	101.01	96.80	86.36	77.48	71.04
112.5	143.20	141.64	135.87	126.32	113.67	100.13	90.14	80.37	73.26
135.0	346.11	230.45	165.40	125.21	109.45	98.35	89.25	80.37	70.82
157.5	1860.00	1723.91	1547.85	1341.38	1125.81	903.14	654.49	431.14	273.74
180.0	756.61	643.38	549.70	414.05	324.58	270.19	158.07	110.56	83.48
202.5	165.40	151.63	137.20	128.54	119.89	112.12	104.57	95.46	86.14
225.0	161.62	152.30	145.64	138.31	128.10	120.33	110.78	100.57	89.69
247.5	103.68	90.58	80.81	70.82	61.05	51.51	44.85	38.41	32.86
270.0	51.73	39.07	28.20	17.09	9.77	4.44	2.22	1.11	0.22
292.5	103.68	90.58	80.81	70.82	61.05	51.51	44.85	38.41	32.86
315.0	161.62	152.30	145.64	138.31	128.10	120.33	110.78	100.57	89.69
337.5	165.40	151.63	137.20	128.54	119.89	112.12	104.57	95.46	86.14
360.0	756.61	643.38	549.70	414.05	324.58	270.19	158.07	110.56	83.48

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

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C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	65.49	51.06	41.96	34.19	26.86	20.87	15.76	11.32	7.33
22.5	180.49	121.22	83.25	57.50	43.74	32.86	25.09	18.65	14.87
45.0	62.61	55.72	48.40	41.52	34.63	28.86	22.42	18.43	15.32
67.5	66.60	57.94	49.95	42.40	37.08	31.30	25.09	19.98	15.76
90.0	65.05	58.83	52.62	43.96	37.30	31.08	24.87	19.76	14.43
112.5	66.60	57.94	49.95	42.40	37.08	31.30	25.09	19.98	15.76
135.0	62.61	55.72	48.40	41.52	34.63	28.86	22.42	18.43	15.32
157.5	180.49	121.22	83.25	57.50	43.74	32.86	25.09	18.65	14.87
180.0	65.49	51.06	41.96	34.19	26.86	20.87	15.76	11.32	7.33
202.5	76.59	65.49	57.72	49.51	40.63	29.31	22.42	16.87	12.43
225.0	78.15	68.38	57.28	47.51	37.74	29.08	23.98	19.09	13.76
247.5	28.64	23.53	19.09	15.32	11.99	8.88	6.66	5.11	3.33
270.0	0.22	0.22	52.62	43.96	37.30	31.08	24.87	19.76	14.43
292.5	28.64	23.53	19.09	15.32	11.99	8.88	6.66	5.11	3.33
315.0	78.15	68.38	57.28	47.51	37.74	29.08	23.98	19.09	13.76
337.5	76.59	65.49	57.72	49.51	40.63	29.31	22.42	16.87	12.43
360.0	65.49	51.06	41.96	34.19	26.86	20.87	15.76	11.32	7.33
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	5.55	4.88	4.00	3.77	3.33	3.11	3.11	2.66	2.66
22.5	12.43	10.66	8.66	7.10	6.44	5.77	5.33	4.88	4.66
45.0	12.21	8.88	7.10	5.99	5.33	4.44	3.77	3.55	3.11
67.5	13.76	9.77	6.44	5.11	4.44	4.00	3.55	2.89	2.66
90.0	12.88	9.99	5.33	3.55	3.11	2.22	1.33	0.67	0.44
112.5	13.76	9.77	6.44	5.11	4.44	4.00	3.55	2.89	2.66
135.0	12.21	8.88	7.10	5.99	5.33	4.44	3.77	3.55	3.11
157.5	12.43	10.66	8.66	7.10	6.44	5.77	5.33	4.88	4.66
180.0	5.55	4.88	4.00	3.77	3.33	3.11	3.11	2.66	2.66
202.5	9.77	8.21	7.33	5.99	4.66	4.00	3.77	3.33	3.11
225.0	10.21	7.99	6.22	4.88	4.44	3.55	3.11	2.66	2.22
247.5	2.44	1.78	1.33	0.89	0.89	0.89	0.67	0.67	0.44
270.0	12.88	9.99	5.33	3.55	3.11	2.22	1.33	0.67	0.44
292.5	2.44	1.78	1.33	0.89	0.89	0.89	0.67	0.67	0.44
315.0	10.21	7.99	6.22	4.88	4.44	3.55	3.11	2.66	2.22
337.5	9.77	8.21	7.33	5.99	4.66	4.00	3.77	3.33	3.11
360.0	5.55	4.88	4.00	3.77	3.33	3.11	3.11	2.66	2.66
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	2.66	2.44	2.44	2.44	2.44	2.22	2.00	2.22	2.22
22.5	4.00	3.77	3.55	3.11	2.89	2.44	2.22	2.22	2.00
45.0	2.89	2.44	2.22	2.00	1.78	1.78	1.55	1.33	1.33
67.5	2.22	1.78	1.33	1.11	0.89	0.67	0.67	0.67	0.44
90.0	0.44	0.22	0.44	0.44	0.22	0.22	0.22	0.22	0.22
112.5	2.22	1.78	1.33	1.11	0.89	0.67	0.67	0.67	0.44
135.0	2.89	2.44	2.22	2.00	1.78	1.78	1.55	1.33	1.33
157.5	4.00	3.77	3.55	3.11	2.89	2.44	2.22	2.22	2.00
180.0	2.66	2.44	2.44	2.44	2.44	2.22	2.00	2.22	2.22
202.5	2.89	2.66	2.89	2.89	2.66	2.66	2.66	2.66	2.66
225.0	2.22	2.00	1.78	1.78	1.78	2.00	1.78	1.78	2.00
247.5	0.44	0.44	0.44	0.44	0.44	0.44	0.67	0.67	0.89
270.0	0.44	0.22	0.44	0.44	0.22	0.22	0.22	0.22	0.22
292.5	0.44	0.44	0.44	0.44	0.44	0.44	0.67	0.67	0.89
315.0	2.22	2.00	1.78	1.78	1.78	2.00	1.78	1.78	2.00
337.5	2.89	2.66	2.89	2.89	2.66	2.66	2.66	2.66	2.66
360.0	2.66	2.44	2.44	2.44	2.44	2.22	2.00	2.22	2.22

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 22 Total:24

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	2.00	2.22	2.00	2.22	2.22	2.22	2.00	2.22	2.22
22.5	2.00	2.00	1.78	1.78	1.55	1.78	1.55	1.78	1.55
45.0	1.33	1.11	1.11	0.89	0.89	0.89	0.89	0.89	0.89
67.5	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.67	0.67
90.0	0.22	0.44	0.44	0.22	0.22	0.22	0.44	0.44	0.22
112.5	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.67	0.67
135.0	1.33	1.11	1.11	0.89	0.89	0.89	0.89	0.89	0.89
157.5	2.00	2.00	1.78	1.78	1.55	1.78	1.55	1.78	1.55
180.0	2.00	2.22	2.00	2.22	2.22	2.22	2.00	2.22	2.22
202.5	2.66	2.66	2.66	2.89	2.66	2.89	2.89	2.66	2.89
225.0	2.00	2.00	2.00	2.22	2.22	2.22	2.22	2.44	2.44
247.5	0.89	0.89	0.89	1.11	1.33	1.11	1.33	1.33	1.78
270.0	0.44	0.22	0.44	0.67	0.67	0.89	0.89	0.89	1.11
292.5	0.89	0.89	0.89	1.11	1.33	1.11	1.33	1.33	1.78
315.0	2.00	2.00	2.00	2.22	2.22	2.22	2.22	2.44	2.44
337.5	2.66	2.66	2.66	2.89	2.66	2.89	2.89	2.66	2.89
360.0	2.00	2.22	2.00	2.22	2.22	2.22	2.00	2.22	2.22
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	2.22	2.22	2.22	2.22	2.22	2.22	2.44	2.44	2.44
22.5	1.55	1.55	1.78	1.55	1.55	1.55	1.78	1.78	1.55
45.0	0.89	0.89	0.89	0.89	0.89	0.89	1.11	0.89	1.11
67.5	0.67	0.67	0.89	0.89	0.67	0.89	0.89	0.89	0.89
90.0	0.44	0.44	0.67	0.44	0.44	0.44	0.67	0.67	0.67
112.5	0.67	0.67	0.89	0.89	0.67	0.89	0.89	0.89	0.89
135.0	0.89	0.89	0.89	0.89	0.89	0.89	1.11	0.89	1.11
157.5	1.55	1.55	1.78	1.55	1.55	1.55	1.78	1.78	1.55
180.0	2.22	2.22	2.22	2.22	2.22	2.22	2.44	2.44	2.44
202.5	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
225.0	2.44	2.66	2.66	2.66	2.66	2.89	2.89	3.11	2.89
247.5	1.78	2.00	2.00	2.22	2.22	2.22	2.22	2.44	2.44
270.0	1.33	1.33	1.55	1.78	2.00	1.78	2.00	2.00	2.22
292.5	1.78	2.00	2.00	2.22	2.22	2.22	2.22	2.44	2.44
315.0	2.44	2.66	2.66	2.66	2.66	2.89	2.89	3.11	2.89
337.5	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
360.0	2.22	2.22	2.22	2.22	2.22	2.22	2.44	2.44	2.44
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	2.44	2.44	2.22	2.44	2.44	2.22	2.44	2.44	2.44
22.5	1.78	1.55	1.78	1.55	1.78	1.78	2.00	2.00	2.00
45.0	1.33	1.11	1.11	1.33	1.33	1.33	1.33	1.55	1.55
67.5	1.11	0.89	1.11	1.11	1.11	1.33	1.11	1.33	1.33
90.0	0.67	0.89	0.67	0.89	0.89	0.89	1.11	1.11	1.11
112.5	1.11	0.89	1.11	1.11	1.11	1.33	1.11	1.33	1.33
135.0	1.33	1.11	1.11	1.33	1.33	1.33	1.33	1.55	1.55
157.5	1.78	1.55	1.78	1.55	1.78	1.78	2.00	2.00	2.00
180.0	2.44	2.44	2.22	2.44	2.44	2.22	2.44	2.44	2.44
202.5	3.33	3.11	3.11	3.11	3.11	2.89	2.89	3.11	2.89
225.0	2.89	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
247.5	2.44	2.66	2.66	2.66	2.89	2.89	2.89	3.11	2.89
270.0	2.44	2.22	2.44	2.66	2.66	2.66	2.66	2.89	2.89
292.5	2.44	2.66	2.66	2.66	2.89	2.89	2.89	3.11	2.89
315.0	2.89	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
337.5	3.33	3.11	3.11	3.11	3.11	2.89	2.89	3.11	2.89
360.0	2.44	2.44	2.22	2.44	2.44	2.22	2.44	2.44	2.44

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 23 Total:24

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	2.44	2.44	2.44	2.44	2.22	2.22	2.44	2.22	2.22
22.5	2.00	2.00	2.22	2.00	2.00	2.22	2.00	2.00	2.00
45.0	1.55	1.55	1.33	1.55	1.55	1.55	1.55	1.55	1.78
67.5	1.33	1.33	1.55	1.55	1.55	1.55	1.55	1.55	1.55
90.0	1.11	1.11	1.11	1.33	1.33	1.33	1.55	1.55	1.55
112.5	1.33	1.33	1.55	1.55	1.55	1.55	1.55	1.55	1.55
135.0	1.55	1.55	1.33	1.55	1.55	1.55	1.55	1.55	1.78
157.5	2.00	2.00	2.22	2.00	2.00	2.22	2.00	2.00	2.00
180.0	2.44	2.44	2.44	2.44	2.22	2.22	2.44	2.22	2.22
202.5	3.11	2.89	2.89	2.89	2.66	2.66	2.66	2.66	2.44
225.0	3.11	3.11	3.11	2.89	2.89	2.89	2.89	2.89	2.66
247.5	3.11	2.89	2.89	2.89	3.11	2.89	2.89	2.89	2.89
270.0	2.89	2.89	2.89	2.89	3.11	3.11	2.89	2.89	2.89
292.5	3.11	2.89	2.89	2.89	3.11	2.89	2.89	2.89	2.89
315.0	3.11	3.11	3.11	2.89	2.89	2.89	2.89	2.89	2.66
337.5	3.11	2.89	2.89	2.89	2.66	2.66	2.66	2.66	2.44
360.0	2.44	2.44	2.44	2.44	2.22	2.22	2.44	2.22	2.22
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
22.5	2.00	2.22	2.22	2.22	2.22	2.22	2.22	2.00	2.00
45.0	1.78	1.55	2.00	1.78	1.78	1.78	1.78	1.78	1.78
67.5	1.78	1.78	1.55	1.78	1.78	1.78	1.78	1.78	1.78
90.0	1.55	1.55	1.55	1.78	1.78	1.55	1.55	1.78	1.78
112.5	1.78	1.78	1.55	1.78	1.78	1.78	1.78	1.78	1.78
135.0	1.78	1.55	2.00	1.78	1.78	1.78	1.78	1.78	1.78
157.5	2.00	2.22	2.22	2.22	2.22	2.22	2.22	2.00	2.00
180.0	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
202.5	2.44	2.66	2.44	2.66	2.44	2.44	2.44	2.44	2.44
225.0	2.89	2.66	2.66	2.66	2.66	2.66	2.66	2.44	2.44
247.5	2.89	2.89	2.89	2.89	2.89	2.66	2.89	2.66	2.66
270.0	2.89	2.89	2.66	2.89	2.89	2.66	2.89	2.89	2.66
292.5	2.89	2.89	2.89	2.89	2.89	2.66	2.89	2.66	2.66
315.0	2.89	2.66	2.66	2.66	2.66	2.66	2.66	2.44	2.44
337.5	2.44	2.66	2.44	2.66	2.44	2.44	2.44	2.44	2.44
360.0	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	2.22	2.22	2.22	2.22	2.22	2.00	2.00	2.00	2.00
22.5	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
45.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
67.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
90.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
112.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
135.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
157.5	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
180.0	2.22	2.22	2.22	2.22	2.22	2.00	2.00	2.00	2.00
202.5	2.44	2.44	2.22	2.44	2.44	2.22	2.22	2.22	2.22
225.0	2.66	2.44	2.44	2.44	2.44	2.22	2.22	2.22	2.22
247.5	2.66	2.66	2.44	2.44	2.44	2.44	2.44	2.44	2.44
270.0	2.89	2.66	2.66	2.66	2.44	2.66	2.66	2.66	2.44
292.5	2.66	2.66	2.44	2.44	2.44	2.44	2.44	2.44	2.44
315.0	2.66	2.44	2.44	2.44	2.44	2.22	2.22	2.22	2.22
337.5	2.44	2.44	2.22	2.44	2.44	2.22	2.22	2.22	2.22
360.0	2.22	2.22	2.22	2.22	2.22	2.00	2.00	2.00	2.00

Equipment:
Temperature(°C): 25.3

Date: 2018-9-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.38

Intensity data(cd)

Page: 24 Total:24

C/ γ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	1.78	2.22	2.00	2.00	2.00	1.78	2.00	2.00	2.00
22.5	2.00	2.00	1.78	2.00	2.00	2.00	2.00	2.00	1.78
45.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
67.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
90.0	1.78	2.00	1.78	2.00	2.00	1.78	2.00	2.00	1.78
112.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
135.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
157.5	2.00	2.00	1.78	2.00	2.00	2.00	2.00	2.00	1.78
180.0	1.78	2.22	2.00	2.00	2.00	1.78	2.00	2.00	2.00
202.5	2.00	2.00	2.22	2.00	2.00	2.00	2.00	2.00	2.00
225.0	2.22	2.22	2.00	2.00	2.00	2.00	2.00	2.00	2.00
247.5	2.44	2.22	2.22	2.22	2.22	2.00	2.00	2.00	2.00
270.0	2.44	2.44	2.44	2.22	2.22	2.22	2.00	2.00	2.22
292.5	2.44	2.22	2.22	2.22	2.22	2.00	2.00	2.00	2.00
315.0	2.22	2.22	2.00	2.00	2.00	2.00	2.00	2.00	2.00
337.5	2.00	2.00	2.22	2.00	2.00	2.00	2.00	2.00	2.00
360.0	1.78	2.22	2.00	2.00	2.00	1.78	2.00	2.00	2.00
C/ γ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	2.00	1.78	1.78	1.78	1.78	2.00	2.00	2.00	1.78
22.5	1.78	2.00	2.00	1.78	2.00	2.00	2.00	2.00	2.00
45.0	1.78	1.55	1.78	1.78	1.78	1.78	1.78	1.78	1.78
67.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
90.0	1.78	1.78	2.00	2.22	1.78	1.78	1.78	2.00	1.78
112.5	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
135.0	1.78	1.55	1.78	1.78	1.78	1.78	1.78	1.78	1.78
157.5	1.78	2.00	2.00	1.78	2.00	2.00	2.00	2.00	2.00
180.0	2.00	1.78	1.78	1.78	1.78	2.00	2.00	2.00	1.78
202.5	2.00	2.00	2.00	2.00	2.00	1.78	1.78	2.00	2.00
225.0	1.78	2.00	1.78	1.78	1.78	1.78	1.78	2.00	1.78
247.5	2.00	2.00	2.00	2.00	1.78	2.00	2.00	2.00	1.78
270.0	2.00	2.00	2.22	2.00	2.00	2.00	2.00	2.00	1.78
292.5	2.00	2.00	2.00	2.00	1.78	2.00	2.00	2.00	1.78
315.0	1.78	2.00	1.78	1.78	1.78	1.78	1.78	2.00	1.78
337.5	2.00	2.00	2.00	2.00	2.00	1.78	1.78	2.00	2.00
360.0	2.00	1.78	1.78	1.78	1.78	2.00	2.00	2.00	1.78
C/ γ (°)	180.0								
0.0	1.78								
22.5	1.78								
45.0	1.78								
67.5	1.78								
90.0	1.78								
112.5	1.78								
135.0	1.78								
157.5	1.78								
180.0	1.78								
202.5	1.78								
225.0	1.78								
247.5	1.78								
270.0	1.78								
292.5	1.78								
315.0	1.78								
337.5	1.78								
360.0	1.78								