



Bell-Southcn Testing Laboratory(Shenzhen)

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Client:

LumCAT: SPKPL-RDLRE4Q-RGBTW-WH

Luminaire:

Report No:

Ballast type:

Test No: BST24111309-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.016

Lamp flux(lm)

Power (W): 1.679

Number of Lamps: 1

PF: 0.833

Length(mm): 120

Width(mm): 120

Phm Type: C

Height(mm): 0

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#### Photometric Results

Lumens(lm): 36.95, Luminous Efficacy(lm/W): 22.01

Central intensity(cd): 60.04, Maximum intensity(cd): 60.16

Angle of maximum intensity:  $C=22.5$   $\gamma=0.0$

Beam Angle(50%Imax): [C0/180]Total=39.3

[C90/270]Total=38.5

Field angle(10%Imax): [C0/180]Total=83.7

[C90/270]Total=83.1

Maximum s/h(1/2): C0\_180=0.67 C90\_270=0.56

Maximum s/h(1/4): C0\_180=0.71 C90\_270=0.63

Up flux rate of LUM(%): 0.01%

Down flux rate of LUM(%): 99.99%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.980%

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Equipment: GMS-1800  
Temperature(°C): 25.0

Date: 2024-11-13  
Humidity(%): 59.0%

Operator: Liao  
Distance(m): 11.68

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	60.043	0.000	0.000	0.000%	0.000%
1.0	60.000	0.057	0.057	0.155%	0.155%
2.0	59.710	0.172	0.229	0.465%	0.620%
3.0	59.054	0.284	0.513	0.769%	1.389%
4.0	58.500	0.393	0.907	1.065%	2.454%
5.0	57.783	0.500	1.407	1.354%	3.808%
6.0	56.590	0.601	2.008	1.627%	5.434%
7.0	55.243	0.694	2.702	1.878%	7.313%
8.0	53.546	0.779	3.481	2.107%	9.420%
9.0	52.147	0.857	4.337	2.318%	11.738%
10.0	50.689	0.931	5.268	2.519%	14.256%
11.0	48.345	0.990	6.258	2.678%	16.934%
12.0	45.983	1.031	7.289	2.790%	19.725%
13.0	43.698	1.064	8.353	2.880%	22.605%
14.0	41.438	1.090	9.443	2.949%	25.554%
15.0	38.957	1.104	10.546	2.987%	28.541%
16.0	36.536	1.106	11.653	2.994%	31.535%
17.0	34.822	1.111	12.764	3.007%	34.542%
18.0	33.108	1.120	13.884	3.031%	37.573%
19.0	30.985	1.115	14.999	3.018%	40.590%
20.0	29.058	1.099	16.098	2.974%	43.564%
21.0	27.114	1.079	17.177	2.919%	46.483%
22.0	25.716	1.062	18.238	2.873%	49.356%
23.0	24.206	1.047	19.286	2.835%	52.191%
24.0	22.484	1.021	20.306	2.763%	54.954%
25.0	21.077	0.990	21.297	2.680%	57.634%
26.0	19.798	0.965	22.262	2.611%	60.245%
27.0	18.622	0.940	23.202	2.544%	62.789%
28.0	17.343	0.911	24.112	2.464%	65.253%
29.0	15.996	0.872	24.985	2.360%	67.614%
30.0	15.092	0.839	25.824	2.271%	69.885%
31.0	14.299	0.818	26.642	2.213%	72.098%
32.0	13.267	0.790	27.432	2.137%	74.236%
33.0	12.380	0.756	28.187	2.045%	76.280%
34.0	11.494	0.722	28.910	1.955%	78.236%
35.0	10.897	0.695	29.605	1.882%	80.117%
36.0	10.334	0.676	30.281	1.829%	81.947%
37.0	9.567	0.649	30.930	1.756%	83.703%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	8.816	0.614	31.544	1.661%	85.364%
39.0	8.134	0.579	32.122	1.566%	86.930%
40.0	7.435	0.543	32.665	1.469%	88.399%
41.0	6.582	0.499	33.164	1.351%	89.750%
42.0	5.696	0.446	33.610	1.207%	90.957%
43.0	4.877	0.392	34.002	1.060%	92.017%
44.0	4.024	0.336	34.338	0.909%	92.926%
45.0	3.121	0.275	34.613	0.743%	93.669%
46.0	2.404	0.216	34.829	0.585%	94.254%
47.0	1.987	0.175	35.003	0.473%	94.727%
48.0	1.773	0.152	35.155	0.411%	95.138%
49.0	1.569	0.137	35.293	0.371%	95.509%
50.0	1.381	0.123	35.416	0.333%	95.842%
51.0	1.245	0.111	35.527	0.301%	96.143%
52.0	1.100	0.101	35.627	0.272%	96.415%
53.0	1.015	0.092	35.719	0.249%	96.664%
54.0	0.929	0.086	35.805	0.232%	96.896%
55.0	0.836	0.079	35.884	0.213%	97.109%
56.0	0.776	0.073	35.957	0.197%	97.306%
57.0	0.725	0.069	36.025	0.186%	97.492%
58.0	0.657	0.064	36.089	0.173%	97.665%
59.0	0.622	0.060	36.149	0.162%	97.827%
60.0	0.580	0.057	36.206	0.154%	97.980%
61.0	0.529	0.053	36.259	0.143%	98.123%
62.0	0.554	0.052	36.311	0.141%	98.265%
63.0	0.529	0.053	36.363	0.143%	98.407%
64.0	0.477	0.049	36.413	0.134%	98.541%
65.0	0.495	0.048	36.461	0.130%	98.671%
66.0	0.460	0.048	36.509	0.129%	98.800%
67.0	0.452	0.046	36.554	0.124%	98.924%
68.0	0.401	0.043	36.598	0.117%	99.041%
69.0	0.367	0.039	36.637	0.106%	99.147%
70.0	0.384	0.039	36.675	0.104%	99.251%
71.0	0.324	0.037	36.712	0.099%	99.350%
72.0	0.307	0.033	36.745	0.089%	99.439%
73.0	0.281	0.031	36.775	0.083%	99.522%
74.0	0.247	0.028	36.803	0.075%	99.597%
75.0	0.230	0.025	36.828	0.068%	99.666%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.222	0.024	36.852	0.065%	99.731%
77.0	0.179	0.021	36.874	0.058%	99.788%
78.0	0.153	0.018	36.892	0.048%	99.837%
79.0	0.136	0.016	36.907	0.042%	99.879%
80.0	0.119	0.014	36.921	0.037%	99.916%
81.0	0.094	0.012	36.932	0.031%	99.947%
82.0	0.043	0.007	36.940	0.020%	99.967%
83.0	0.051	0.005	36.945	0.014%	99.981%
84.0	0.009	0.003	36.948	0.009%	99.990%
85.0	0.000	0.000	36.949	0.001%	99.991%
86.0	0.009	0.000	36.949	0.001%	99.992%
87.0	0.000	0.000	36.950	0.001%	99.994%
88.0	0.000	0.000	36.950	0.000%	99.994%
89.0	0.000	0.000	36.950	0.000%	99.994%
90.0	0.000	0.000	36.950	0.000%	99.994%
91.0	0.000	0.000	36.950	0.000%	99.994%
92.0	0.000	0.000	36.950	0.000%	99.994%
93.0	0.000	0.000	36.950	0.000%	99.994%
94.0	0.000	0.000	36.950	0.000%	99.994%
95.0	0.000	0.000	36.950	0.000%	99.994%
96.0	0.000	0.000	36.950	0.000%	99.994%
97.0	0.000	0.000	36.950	0.000%	99.994%
98.0	0.000	0.000	36.950	0.000%	99.994%
99.0	0.000	0.000	36.950	0.000%	99.994%
100.0	0.000	0.000	36.950	0.000%	99.994%
101.0	0.000	0.000	36.950	0.000%	99.994%
102.0	0.000	0.000	36.950	0.000%	99.994%
103.0	0.000	0.000	36.950	0.000%	99.994%
104.0	0.000	0.000	36.950	0.000%	99.994%
105.0	0.000	0.000	36.950	0.000%	99.994%
106.0	0.000	0.000	36.950	0.000%	99.994%
107.0	0.000	0.000	36.950	0.000%	99.994%
108.0	0.000	0.000	36.950	0.000%	99.994%
109.0	0.000	0.000	36.950	0.000%	99.994%
110.0	0.000	0.000	36.950	0.000%	99.994%
111.0	0.000	0.000	36.950	0.000%	99.994%
112.0	0.000	0.000	36.950	0.000%	99.994%
113.0	0.000	0.000	36.950	0.000%	99.994%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	36.950	0.000%	99.994%
115.0	0.000	0.000	36.950	0.000%	99.994%
116.0	0.000	0.000	36.950	0.000%	99.994%
117.0	0.000	0.000	36.950	0.000%	99.994%
118.0	0.000	0.000	36.950	0.000%	99.994%
119.0	0.000	0.000	36.950	0.000%	99.994%
120.0	0.000	0.000	36.950	0.000%	99.994%
121.0	0.000	0.000	36.950	0.000%	99.994%
122.0	0.000	0.000	36.950	0.000%	99.994%
123.0	0.000	0.000	36.950	0.000%	99.994%
124.0	0.000	0.000	36.950	0.000%	99.994%
125.0	0.000	0.000	36.950	0.000%	99.994%
126.0	0.000	0.000	36.950	0.000%	99.994%
127.0	0.000	0.000	36.950	0.000%	99.994%
128.0	0.000	0.000	36.950	0.000%	99.994%
129.0	0.000	0.000	36.950	0.000%	99.994%
130.0	0.000	0.000	36.950	0.000%	99.994%
131.0	0.000	0.000	36.950	0.000%	99.994%
132.0	0.000	0.000	36.950	0.000%	99.994%
133.0	0.000	0.000	36.950	0.000%	99.994%
134.0	0.000	0.000	36.950	0.000%	99.994%
135.0	0.000	0.000	36.950	0.000%	99.994%
136.0	0.000	0.000	36.950	0.000%	99.994%
137.0	0.000	0.000	36.950	0.000%	99.994%
138.0	0.000	0.000	36.950	0.000%	99.994%
139.0	0.000	0.000	36.950	0.000%	99.994%
140.0	0.000	0.000	36.950	0.000%	99.994%
141.0	0.000	0.000	36.950	0.000%	99.994%
142.0	0.000	0.000	36.950	0.000%	99.994%
143.0	0.000	0.000	36.950	0.000%	99.994%
144.0	0.000	0.000	36.950	0.000%	99.994%
145.0	0.000	0.000	36.950	0.000%	99.994%
146.0	0.000	0.000	36.950	0.000%	99.994%
147.0	0.000	0.000	36.950	0.000%	99.994%
148.0	0.000	0.000	36.950	0.000%	99.994%
149.0	0.000	0.000	36.950	0.000%	99.994%
150.0	0.000	0.000	36.950	0.000%	99.994%
151.0	0.000	0.000	36.950	0.000%	99.994%

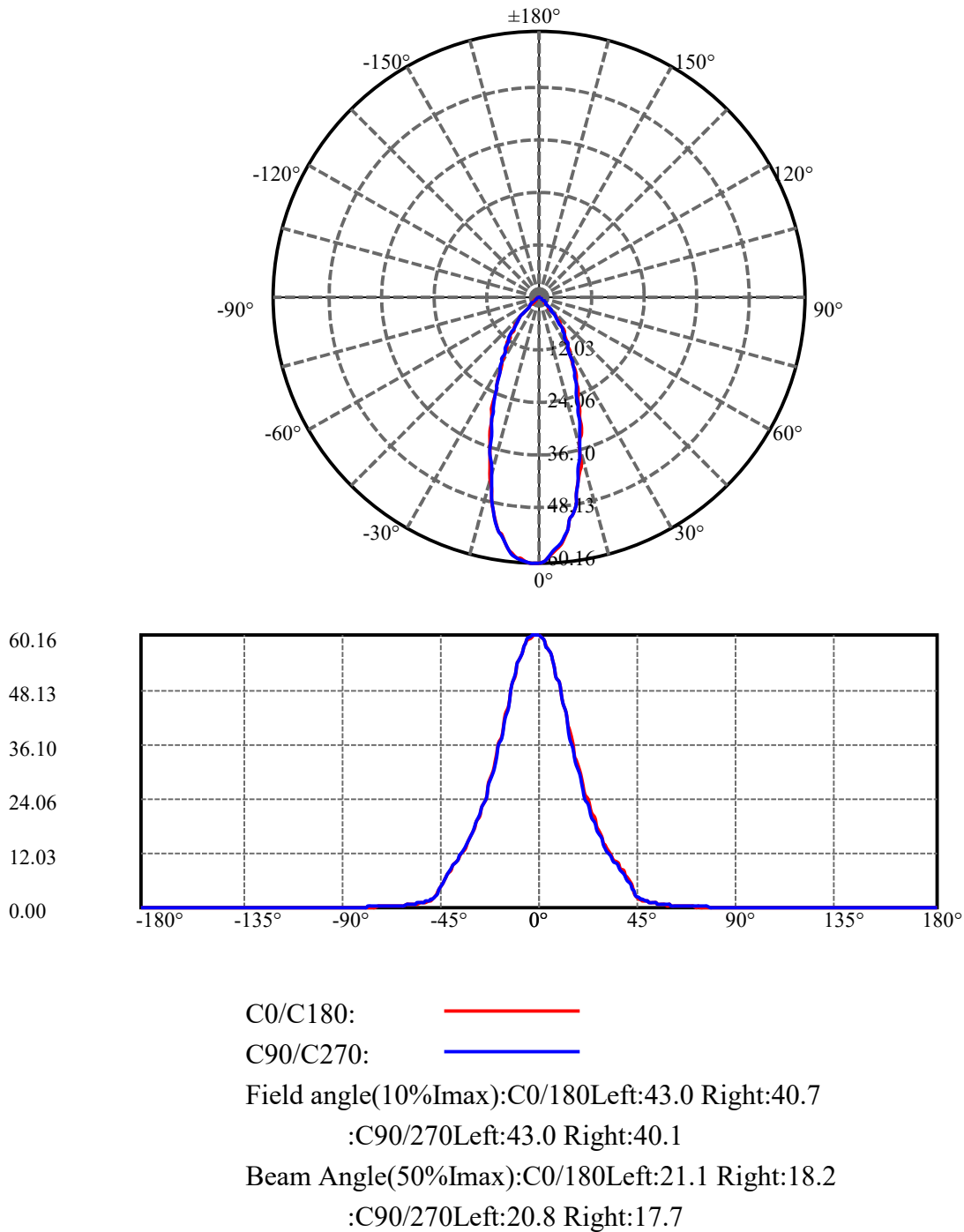
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	36.950	0.000%	99.994%
153.0	0.000	0.000	36.950	0.000%	99.994%
154.0	0.000	0.000	36.950	0.000%	99.994%
155.0	0.000	0.000	36.950	0.000%	99.994%
156.0	0.017	0.000	36.950	0.001%	99.995%
157.0	0.000	0.000	36.950	0.001%	99.996%
158.0	0.000	0.000	36.950	0.000%	99.996%
159.0	0.000	0.000	36.950	0.000%	99.996%
160.0	0.000	0.000	36.950	0.000%	99.996%
161.0	0.000	0.000	36.950	0.000%	99.996%
162.0	0.009	0.000	36.951	0.000%	99.996%
163.0	0.000	0.000	36.951	0.000%	99.997%
164.0	0.000	0.000	36.951	0.000%	99.997%
165.0	0.000	0.000	36.951	0.000%	99.997%
166.0	0.009	0.000	36.951	0.000%	99.997%
167.0	0.000	0.000	36.951	0.000%	99.997%
168.0	0.000	0.000	36.951	0.000%	99.997%
169.0	0.009	0.000	36.951	0.000%	99.997%
170.0	0.000	0.000	36.951	0.000%	99.998%
171.0	0.009	0.000	36.951	0.000%	99.998%
172.0	0.017	0.000	36.951	0.001%	99.998%
173.0	0.017	0.000	36.952	0.001%	99.999%
174.0	0.000	0.000	36.952	0.000%	99.999%
175.0	0.009	0.000	36.952	0.000%	99.999%
176.0	0.009	0.000	36.952	0.000%	100.000%
177.0	0.017	0.000	36.952	0.000%	100.000%
178.0	0.000	0.000	36.952	0.000%	100.000%
179.0	0.000	0.000	36.952	0.000%	100.000%
180.0	0.000	0.000	36.952	0.000%	100.000%

ZONAL LUMEN SUMMARY

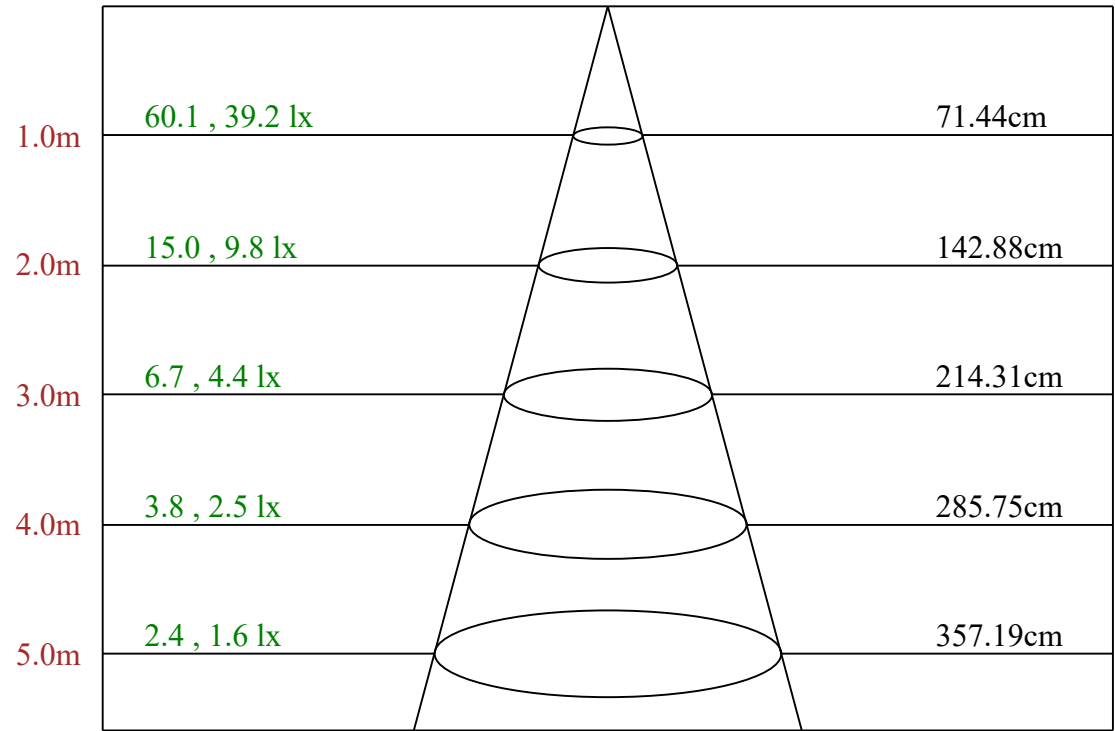
Zone	Lumens	%Fixt
0-30	25.82	69.89%
0-40	32.67	88.40%
0-60	36.21	97.98%
0-90	36.95	99.99%
0-120	36.95	99.99%
0-180	36.95	100.00%
60-90	0.74	2.01%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.01%
0-34.94	29.56	80.00%

ZONAL LUMEN SUMMARY

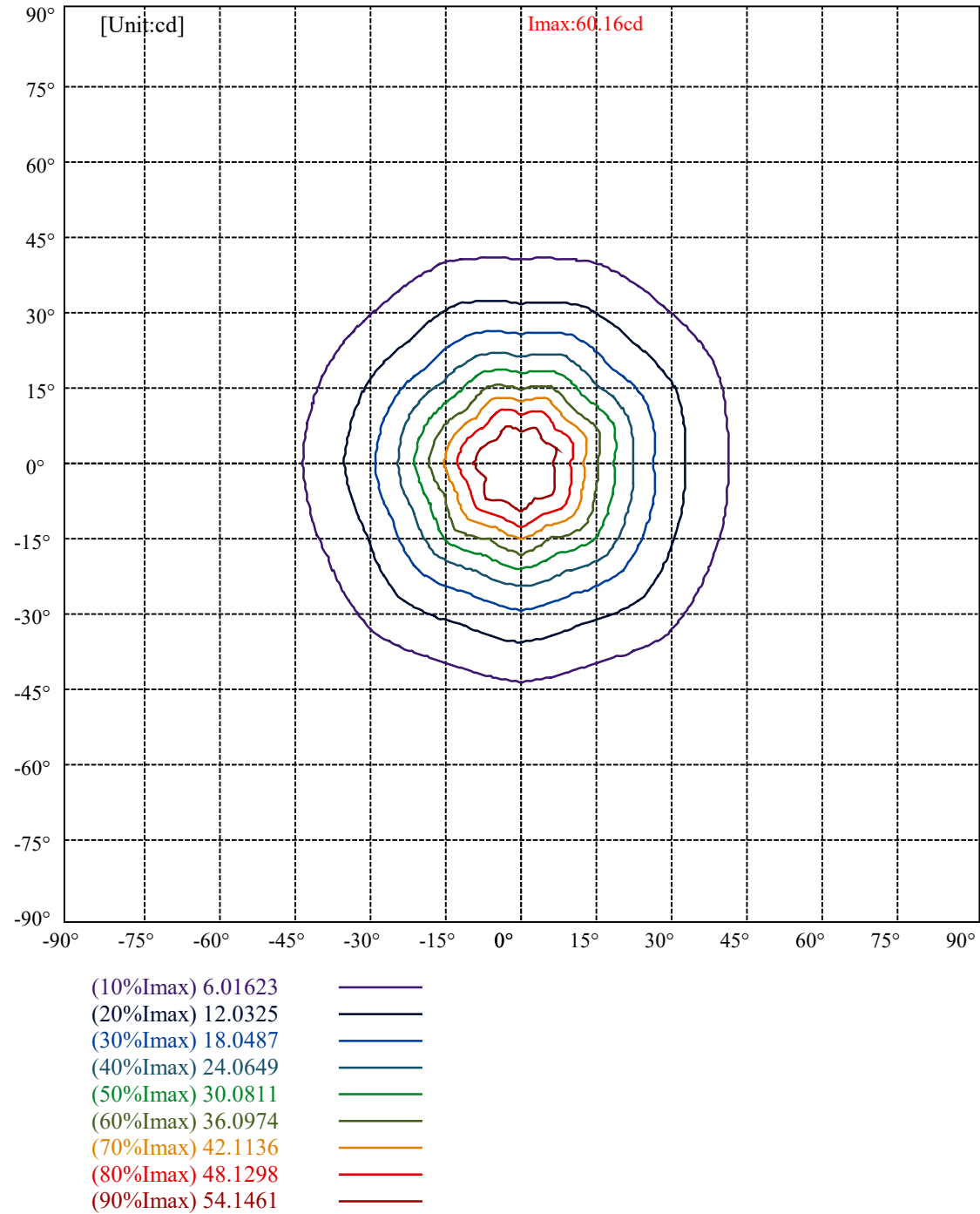
0-10	5.27
10-20	10.83
20-30	9.73
30-40	6.84
40-50	2.75
50-60	0.79
60-70	0.47
70-80	0.25
80-90	0.03
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

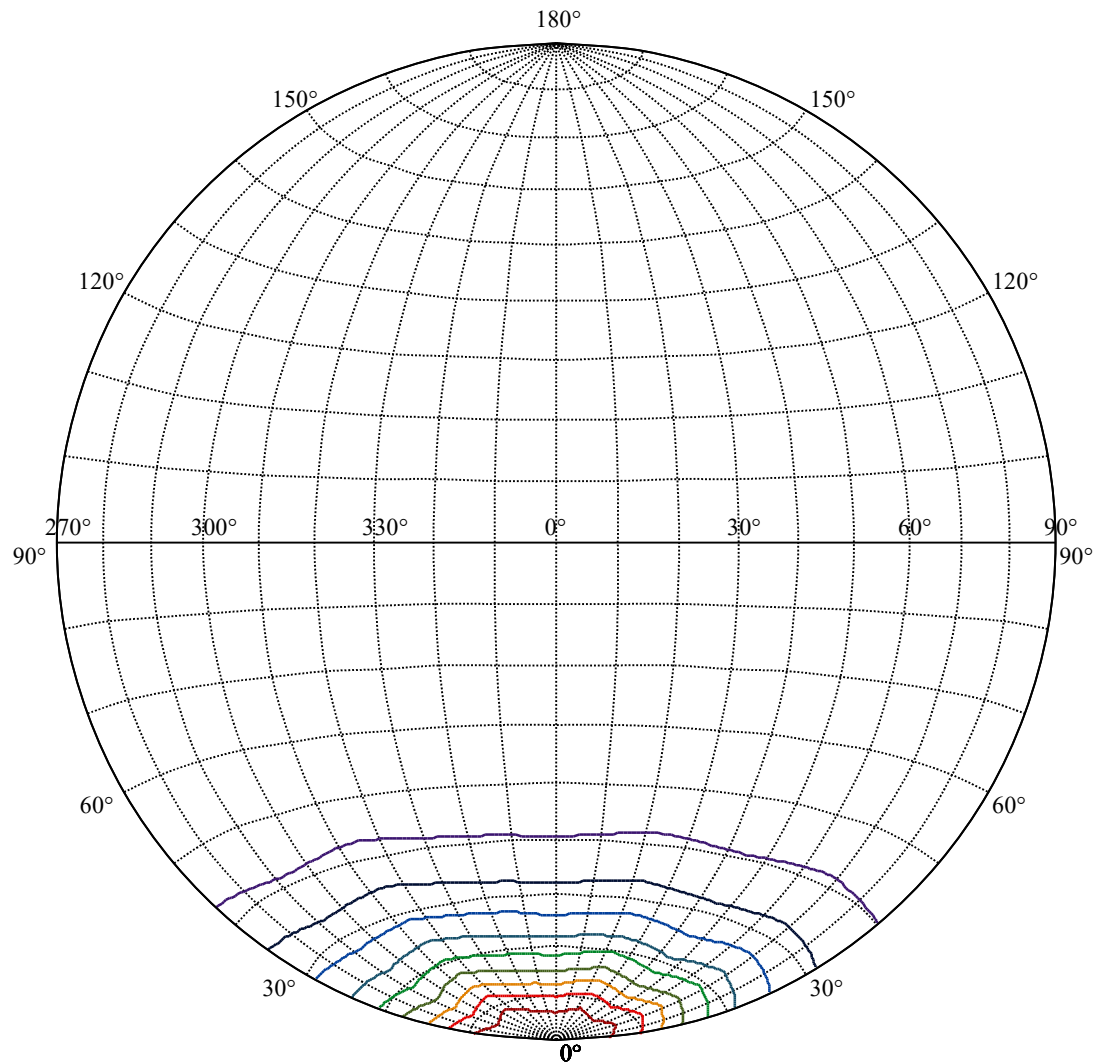






Max , Ave      Beam angle of C22.5 plane 39.31



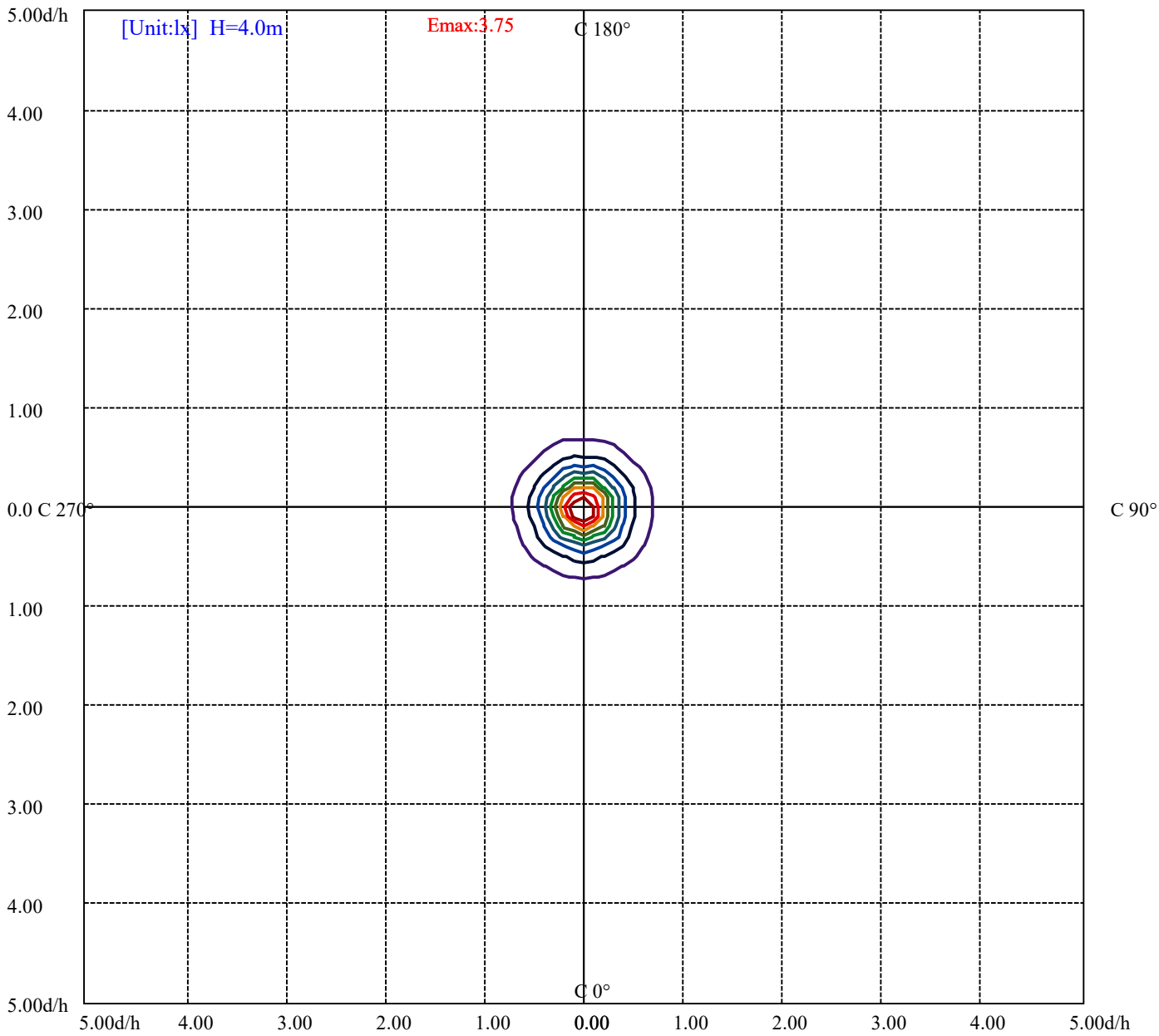


House

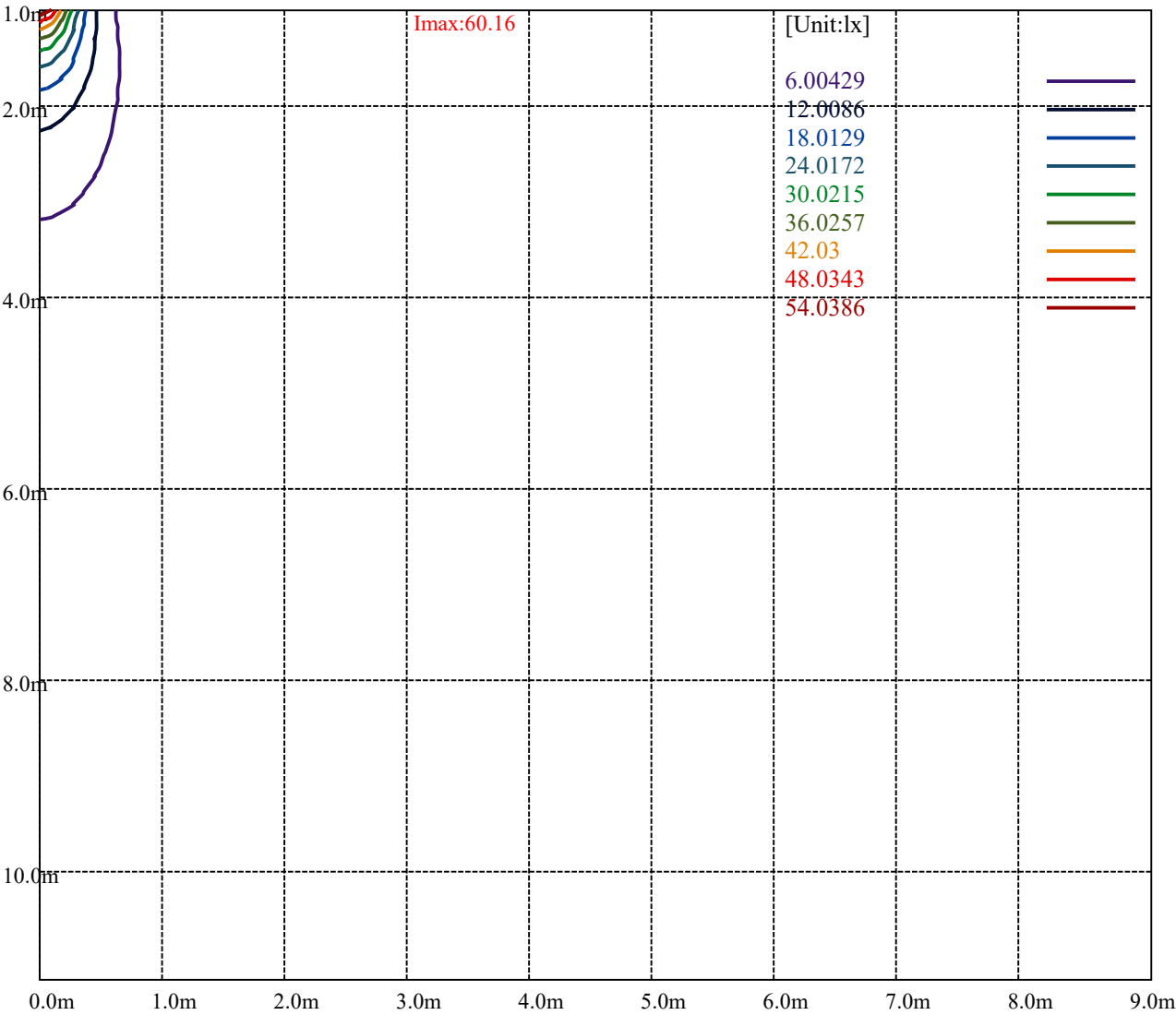
[Unit:cd]

Road

Imax:60.16	
(10%Imax) 6.01623	—
(20%Imax) 12.0325	—
(30%Imax) 18.0487	—
(40%Imax) 24.0649	—
(50%Imax) 30.0811	—
(60%Imax) 36.0974	—
(70%Imax) 42.1136	—
(80%Imax) 48.1298	—
(90%Imax) 54.1461	—



(10%Emax) 0.3752675	—
(20%Emax) 0.7505375	—
(30%Emax) 1.125806	—
(40%Emax) 1.501069	—
(50%Emax) 1.876338	—
(60%Emax) 2.251606	—
(70%Emax) 2.626875	—
(80%Emax) 3.002144	—
(90%Emax) 3.377413	—



Luminance Table

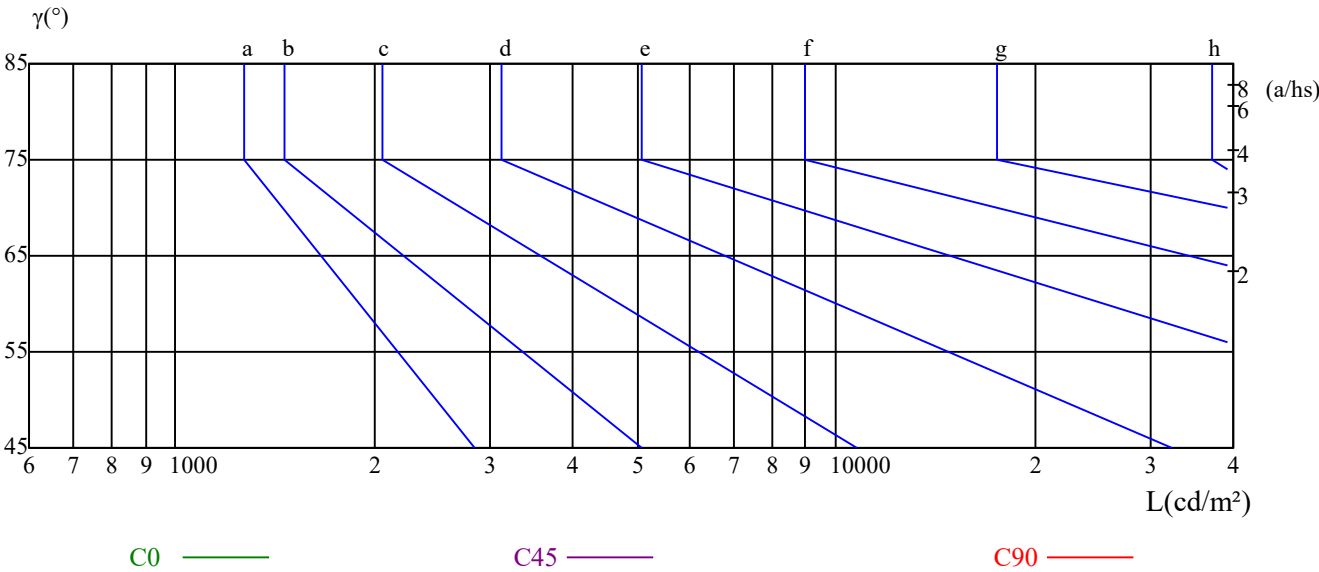
$\gamma$	45	50	55	60	65	70	75	80	85
C0	201	133	83	76	67	55	37	0	0
C45	214	133	99	76	90	83	37	0	0
C90	214	133	83	76	90	83	73	55	0

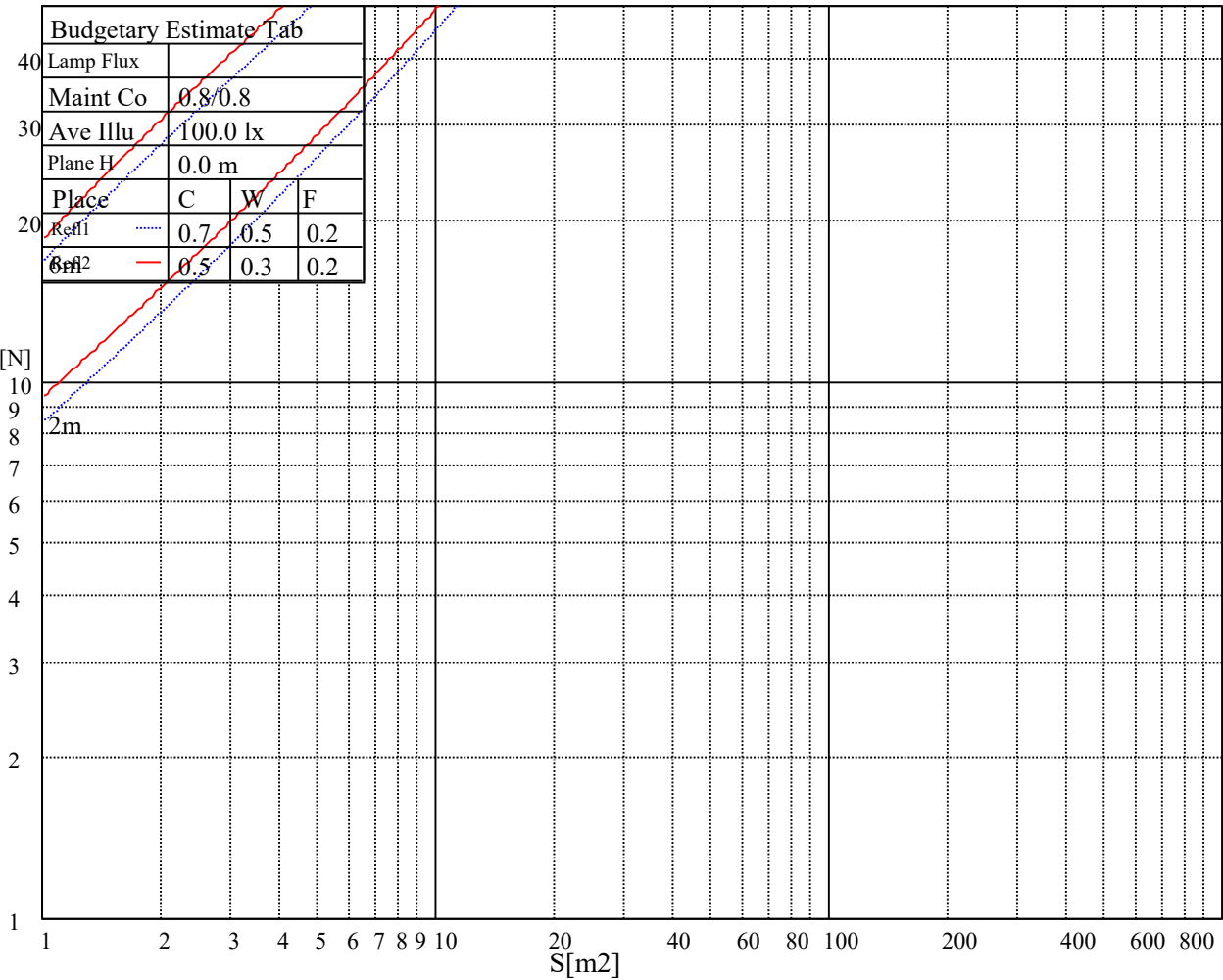
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
78	90	84	37	73	64	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.95	1.01	0.97	0.94	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.87
3	0.96	0.91	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.80
4	0.90	0.84	0.80	0.88	0.83	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.75
5	0.84	0.78	0.74	0.83	0.78	0.74	0.81	0.77	0.73	0.80	0.75	0.72	0.78	0.74	0.72	0.70
6	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
7	0.75	0.69	0.64	0.74	0.68	0.64	0.73	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
8	0.70	0.65	0.60	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.58
9	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.59	0.56	0.55
10	0.63	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.56	0.53	0.52



## SPKPL-RDLRE4Q-RGBTW-WH

Intensity data(cd)

Appendix Page: 17 Total:23

C/ $\gamma$ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	60.04	59.75	59.21	57.84	57.30	56.21	54.57	52.93	50.75
22.5	60.04	60.03	59.75	59.34	58.53	58.12	56.89	54.98	53.89
45.0	60.04	59.62	59.07	57.71	57.02	55.80	54.30	52.66	50.48
67.5	60.04	60.03	59.89	59.07	58.25	57.71	56.34	54.98	53.48
90.0	60.04	59.62	59.07	57.71	57.02	55.93	54.43	52.93	50.75
112.5	60.04	60.16	59.75	59.34	58.66	57.98	56.89	55.66	54.16
135.0	60.04	59.75	58.93	58.12	57.57	56.48	55.11	53.61	51.57
157.5	60.04	60.03	59.89	59.48	58.93	58.39	57.30	56.07	54.84
180.0	60.04	60.16	60.03	59.75	59.34	59.21	58.25	57.43	56.07
202.5	60.04	60.03	59.89	59.48	58.80	57.84	56.75	55.39	53.34
225.0	60.04	60.16	60.16	59.89	59.75	59.34	58.66	57.71	56.48
247.5	60.04	60.16	60.03	59.34	59.07	58.25	57.16	55.80	53.89
270.0	60.04	60.16	60.16	60.03	59.62	59.34	58.39	57.43	56.21
292.5	60.04	60.16	60.03	59.07	58.53	57.57	56.48	54.98	52.93
315.0	60.04	60.16	60.03	59.89	59.34	59.07	57.98	56.75	55.52
337.5	60.04	60.03	59.48	58.80	58.25	57.30	55.93	54.57	52.39
360.0	60.04	59.75	59.21	57.84	57.30	56.21	54.57	52.93	50.75
C/ $\gamma$ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	49.52	47.47	45.16	42.84	40.38	39.15	36.15	33.42	32.33
22.5	52.11	51.16	47.88	45.70	44.34	41.75	39.43	37.24	35.06
45.0	49.25	47.20	45.02	42.70	39.97	38.61	35.33	32.88	32.06
67.5	51.84	50.75	48.29	46.11	43.79	41.47	38.74	36.42	34.24
90.0	49.52	47.47	45.16	42.84	39.84	37.52	35.20	32.74	31.38
112.5	52.66	51.57	49.11	46.11	44.75	41.75	39.43	37.11	34.92
135.0	50.34	48.57	46.25	43.52	41.20	39.84	36.56	33.97	32.60
157.5	53.07	52.11	49.79	47.75	45.57	42.70	40.52	38.20	36.02
180.0	54.43	53.75	51.29	49.38	47.20	44.61	42.43	40.11	37.93
202.5	52.25	50.48	48.29	45.97	43.25	41.88	39.56	36.02	35.20
225.0	55.11	54.16	51.84	48.98	47.61	44.88	42.56	40.38	38.06
247.5	52.66	50.61	48.57	45.70	43.25	40.93	38.61	36.02	34.79
270.0	54.71	53.75	51.43	49.25	46.93	44.06	41.75	39.56	37.38
292.5	51.84	49.79	47.75	45.43	42.56	40.24	37.93	35.20	34.11
315.0	53.89	52.93	50.61	48.57	46.38	43.66	41.34	39.97	36.97
337.5	51.16	49.25	47.07	44.88	42.15	39.97	37.79	35.33	34.11
360.0	49.52	47.48	45.16	42.84	40.38	39.15	36.15	33.42	32.33
C/ $\gamma$ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	30.42	28.65	26.88	24.97	24.01	22.37	21.01	19.64	18.01
22.5	33.83	31.51	29.47	27.69	25.65	23.87	22.37	20.87	20.05
45.0	29.74	27.83	26.06	24.01	23.06	21.55	20.19	18.83	17.33
67.5	32.88	30.56	28.65	26.74	24.97	23.87	22.10	20.60	19.37
90.0	29.47	27.56	25.78	23.87	22.92	21.42	19.92	18.69	17.19
112.5	33.56	30.97	29.19	27.28	25.51	23.60	22.10	20.60	19.78
135.0	30.70	28.79	26.88	24.97	24.01	22.37	21.01	19.64	18.14
157.5	34.79	32.33	30.42	28.51	26.74	25.78	23.74	21.83	20.74
180.0	36.42	33.97	32.06	30.15	28.24	27.15	24.42	22.92	22.10
202.5	32.74	31.51	28.92	26.74	25.78	24.15	22.65	21.15	19.51
225.0	36.70	34.11	32.06	30.15	28.38	26.33	24.56	23.06	22.24
247.5	32.74	30.83	28.92	26.88	25.92	23.60	21.96	21.42	19.78
270.0	36.02	33.42	31.51	29.74	27.97	26.88	24.28	22.92	21.96
292.5	32.06	30.15	28.51	26.33	25.37	23.87	22.37	21.01	19.51
315.0	35.61	33.29	31.10	29.47	27.56	26.60	24.69	23.19	21.69
337.5	32.06	30.29	28.51	26.33	25.37	23.87	22.37	20.87	19.37
360.0	30.42	28.65	26.88	24.97	24.01	22.37	21.01	19.64	18.01

## SPKPL-RDLRE4Q-RGBTW-WH

Intensity data(cd)

Appendix Page: 18 Total:23

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	17.19	15.69	14.32	13.78	12.96	12.14	11.32	10.37	10.10
22.5	18.42	17.33	16.23	15.14	14.46	13.23	12.41	11.60	10.64
45.0	16.64	15.42	13.78	13.23	12.41	12.01	10.91	9.96	9.69
67.5	18.01	17.33	15.55	14.46	13.92	12.82	12.01	11.19	10.50
90.0	16.51	15.42	13.78	13.23	12.28	11.60	10.78	9.96	9.55
112.5	18.28	17.19	16.10	15.01	14.32	13.23	12.41	11.60	10.78
135.0	17.05	15.82	14.60	13.92	12.96	12.14	11.32	10.50	10.10
157.5	19.51	18.01	16.78	15.55	15.01	13.64	12.82	11.87	11.05
180.0	20.33	19.10	17.73	16.64	15.96	14.60	13.51	12.69	11.87
202.5	18.69	17.46	16.23	15.14	13.92	12.96	12.14	11.19	10.78
225.0	20.46	19.10	17.87	16.78	16.10	14.73	13.78	12.82	12.01
247.5	18.55	17.33	15.96	15.28	14.32	13.37	12.55	11.60	11.19
270.0	20.46	19.10	17.87	16.64	16.10	14.73	13.78	12.96	12.14
292.5	18.69	17.46	15.82	15.14	14.19	13.37	12.55	11.60	11.05
315.0	20.46	18.83	17.73	16.64	15.96	14.60	13.64	12.82	12.01
337.5	18.69	16.92	15.55	14.87	13.92	13.10	12.14	11.19	10.91
360.0	17.19	15.69	14.32	13.78	12.96	12.14	11.32	10.37	10.10
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	9.55	8.73	8.19	7.09	6.82	5.59	4.91	3.55	2.73
22.5	10.10	9.41	8.73	8.32	7.64	6.82	6.14	5.18	4.64
45.0	9.00	8.46	7.91	6.96	6.55	5.73	4.91	3.55	2.73
67.5	10.10	9.28	8.59	8.05	7.37	6.55	5.73	4.91	4.23
90.0	9.00	8.32	7.64	6.82	6.14	5.18	4.23	3.68	2.73
112.5	10.50	9.69	8.73	8.19	7.50	6.68	5.87	5.05	4.37
135.0	9.41	8.32	7.91	7.09	6.55	5.46	4.37	3.82	2.86
157.5	10.64	9.82	9.00	8.46	7.64	6.82	6.00	5.18	4.64
180.0	11.32	10.64	9.55	9.28	8.19	7.64	6.82	6.00	5.32
202.5	10.10	9.41	8.73	7.78	7.37	6.55	5.73	4.77	3.41
225.0	11.60	10.64	9.69	9.28	8.46	7.64	6.82	6.00	5.32
247.5	10.37	9.69	8.73	8.05	7.23	6.41	5.18	4.64	3.55
270.0	11.60	10.64	9.69	9.28	8.46	7.64	6.82	6.00	5.32
292.5	10.37	9.69	9.00	8.19	7.37	6.41	5.32	4.91	3.55
315.0	11.60	10.78	9.96	9.28	8.46	7.64	6.96	6.14	5.46
337.5	10.10	9.55	9.00	8.05	7.23	6.55	5.32	4.64	3.55
360.0	9.55	8.73	8.19	7.09	6.82	5.59	4.91	3.55	2.73
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2.05	1.77	1.50	1.64	1.36	1.23	1.09	0.95	0.95
22.5	3.41	2.32	2.05	1.91	1.64	1.36	1.23	1.09	0.95
45.0	2.18	1.91	1.64	1.64	1.36	1.23	1.09	1.09	0.95
67.5	3.14	2.46	2.05	1.77	1.77	1.50	1.36	1.09	1.09
90.0	2.18	1.91	1.77	1.64	1.36	1.23	1.23	0.95	0.95
112.5	3.27	2.46	2.05	1.77	1.64	1.36	1.36	1.09	1.09
135.0	2.18	1.91	1.64	1.50	1.36	1.23	1.09	1.09	0.95
157.5	3.55	2.59	2.18	1.91	1.77	1.50	1.23	1.23	1.09
180.0	4.23	3.27	2.46	2.05	1.64	1.50	1.23	1.23	0.95
202.5	3.14	2.05	1.77	1.64	1.50	1.23	1.23	0.95	0.95
225.0	4.23	3.14	2.32	1.91	1.64	1.50	1.36	1.23	1.09
247.5	2.59	2.05	1.77	1.64	1.36	1.23	1.09	1.09	0.95
270.0	4.09	3.14	2.46	1.91	1.77	1.64	1.36	1.23	1.09
292.5	2.73	2.18	1.77	1.64	1.50	1.36	1.23	1.09	0.95
315.0	4.23	3.14	2.46	2.05	1.91	1.64	1.36	1.23	1.09
337.5	2.73	2.18	1.91	1.77	1.50	1.36	1.36	0.95	1.09
360.0	2.05	1.77	1.50	1.64	1.36	1.23	1.09	0.95	0.95

## SPKPL-RDLRE4Q-RGBTW-WH

Appendix Page: 19 Total:23

## 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	0.82	0.68	0.68	0.68	0.55	0.68	0.55	0.41	0.55
22.5	0.95	0.95	0.95	0.68	0.68	0.55	0.55	0.55	0.55
45.0	0.82	0.82	0.82	0.68	0.55	0.55	0.55	0.55	0.55
67.5	0.95	0.95	0.82	0.68	0.68	0.68	0.68	0.55	0.68
90.0	0.82	0.68	0.68	0.68	0.68	0.68	0.55	0.55	0.55
112.5	0.95	0.95	0.82	0.82	0.68	0.55	0.55	0.55	0.55
135.0	0.82	0.68	0.68	0.68	0.68	0.55	0.55	0.55	0.55
157.5	0.95	0.82	0.82	0.82	0.82	0.68	0.68	0.68	0.55
180.0	0.95	0.82	0.82	0.82	0.68	0.68	0.68	0.41	0.41
202.5	0.82	0.82	0.68	0.55	0.55	0.55	0.41	0.41	0.55
225.0	1.09	0.95	0.82	0.82	0.68	0.68	0.55	0.55	0.55
247.5	0.95	0.82	0.68	0.68	0.55	0.55	0.55	0.55	0.55
270.0	1.09	0.95	0.82	0.82	0.68	0.68	0.68	0.55	0.55
292.5	0.95	0.82	0.68	0.68	0.68	0.68	0.55	0.55	0.55
315.0	1.09	0.82	0.82	0.82	0.68	0.68	0.68	0.55	0.68
337.5	0.82	0.82	0.82	0.68	0.68	0.55	0.55	0.55	0.55
360.0	0.82	0.68	0.68	0.68	0.55	0.68	0.55	0.41	0.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.41	0.41	0.41	0.41	0.41	0.27	0.27	0.27	0.14
22.5	0.55	0.41	0.41	0.41	0.41	0.41	0.27	0.27	0.27
45.0	0.55	0.55	0.55	0.55	0.41	0.27	0.41	0.41	0.27
67.5	0.55	0.41	0.55	0.55	0.41	0.41	0.41	0.41	0.41
90.0	0.55	0.55	0.55	0.41	0.55	0.41	0.41	0.41	0.41
112.5	0.55	0.55	0.55	0.55	0.41	0.41	0.41	0.41	0.41
135.0	0.55	0.41	0.55	0.41	0.41	0.27	0.27	0.41	0.41
157.5	0.55	0.55	0.55	0.55	0.55	0.55	0.41	0.41	0.41
180.0	0.55	0.41	0.55	0.41	0.27	0.41	0.27	0.41	0.27
202.5	0.55	0.55	0.41	0.41	0.55	0.41	0.27	0.27	0.27
225.0	0.55	0.55	0.55	0.55	0.55	0.55	0.41	0.41	0.27
247.5	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.27
270.0	0.55	0.55	0.55	0.41	0.41	0.41	0.41	0.41	0.41
292.5	0.55	0.55	0.41	0.55	0.55	0.41	0.41	0.41	0.27
315.0	0.55	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
337.5	0.55	0.41	0.55	0.41	0.55	0.41	0.41	0.41	0.27
360.0	0.41	0.41	0.41	0.41	0.41	0.27	0.27	0.27	0.14
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.27	0.14	0.14	0.14	0.14	0.14	0.00	0.14	0.00
22.5	0.27	0.41	0.14	0.14	0.27	0.14	0.14	0.14	0.14
45.0	0.27	0.27	0.27	0.14	0.14	0.14	0.14	0.14	0.00
67.5	0.41	0.27	0.27	0.27	0.27	0.14	0.27	0.14	0.14
90.0	0.27	0.27	0.27	0.27	0.27	0.14	0.14	0.14	0.14
112.5	0.27	0.27	0.27	0.27	0.27	0.14	0.14	0.14	0.14
135.0	0.27	0.27	0.27	0.27	0.14	0.14	0.14	0.14	0.14
157.5	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.14	0.14
180.0	0.41	0.27	0.14	0.14	0.14	0.14	0.14	0.00	0.14
202.5	0.27	0.27	0.27	0.14	0.27	0.14	0.00	0.14	0.14
225.0	0.27	0.27	0.27	0.27	0.27	0.14	0.27	0.14	0.14
247.5	0.27	0.27	0.27	0.27	0.14	0.27	0.14	0.14	0.14
270.0	0.41	0.27	0.27	0.27	0.27	0.27	0.14	0.14	0.14
292.5	0.27	0.27	0.27	0.27	0.27	0.27	0.14	0.14	0.14
315.0	0.41	0.41	0.27	0.27	0.27	0.27	0.27	0.14	0.14
337.5	0.27	0.27	0.27	0.27	0.14	0.14	0.14	0.27	0.14
360.0	0.27	0.14	0.14	0.14	0.14	0.14	0.00	0.14	0.00

Equipment: GMS-1800  
Temperature(°C): 25.0

Date: 2024-11-13  
Humidity(%): 59.0%

Operator: Liao  
Distance(m): 11.68

## SPKPL-RDLRE4Q-RGBTW-WH

Intensity data(cd)

Appendix Page: 20 Total:23

C/ $\gamma$ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.14	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.14	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.14	0.00	0.14	0.00	0.00	0.14	0.00	0.00	0.00
337.5	0.14	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma$ (°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma$ (°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Equipment: GMS-1800  
Temperature(°C): 25.0

Date: 2024-11-13  
Humidity(%): 59.0%

Operator: Liao  
Distance(m): 11.68

Intensity data(cd)

Appendix Page: 21 Total:23

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## SPKPL-RDLRE4Q-RGBTW-WH

Intensity data(cd)

Appendix Page: 22 Total:23

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## SPKPL-RDLRE4Q-RGBTW-WH

Intensity data(cd)

Appendix Page: 23 Total:23

C/ $\gamma$ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
180.0	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma$ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.14	0.00	0.14	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.14	0.00	0.00	0.14	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.14	0.14	0.00	0.00	0.00	0.00	0.14	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma$ (°)	180.0								
0.0	0.00								
22.5	0.00								
45.0	0.00								
67.5	0.00								
90.0	0.00								
112.5	0.00								
135.0	0.00								
157.5	0.00								
180.0	0.00								
202.5	0.00								
225.0	0.00								
247.5	0.00								
270.0	0.00								
292.5	0.00								
315.0	0.00								
337.5	0.00								
360.0	0.00								