



Bell-Southcn Testing Laboratory(Shenzhen)

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Address:No.115,1st Floor,A5 Building,Tianrui Industrial Park,Fuyuan 1st Road,Fuyong,Bao'an District,Shenzhen,China.

Client:

LumCAT: SPKPL-RDLRE2R-RGBTW-WH

Luminaire:

Report No:

Ballast type:

Test No: BST24111204-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.014

Lamp flux(lm)

Power (W): 1.340

Number of Lamps: 1

PF: 0.770

Length(mm): 90

Width(mm): 90

Phm Type: C

Height(mm): 0

#### Photometric Results

Lumens(lm): 32.42, Luminous Efficacy(lm/W): 24.19

Central intensity(cd): 48.16, Maximum intensity(cd): 48.57

Angle of maximum intensity:  $C=315.0$   $\gamma=2.0$

Beam Angle(50%Imax): [C0/180]Total=43.8

[C90/270]Total=42.6

Field angle(10%Imax): [C0/180]Total=72.1

[C90/270]Total=71.4

Maximum s/h(1/2): C0\_180=0.71 C90\_270=0.64

Maximum s/h(1/4): C0\_180=0.76 C90\_270=0.68

Up flux rate of LUM(%): 0.00%

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 94.944%

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

Date: 2024-11-12  
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	48.157	0.000	0.000	0.000%	0.000%
1.0	48.140	0.046	0.046	0.142%	0.142%
2.0	47.978	0.138	0.184	0.426%	0.568%
3.0	47.671	0.229	0.413	0.706%	1.273%
4.0	47.279	0.318	0.731	0.980%	2.254%
5.0	46.759	0.405	1.135	1.248%	3.502%
6.0	46.111	0.488	1.623	1.506%	5.007%
7.0	45.326	0.568	2.191	1.751%	6.758%
8.0	44.320	0.642	2.832	1.979%	8.737%
9.0	43.433	0.711	3.544	2.194%	10.931%
10.0	42.257	0.775	4.319	2.392%	13.323%
11.0	40.952	0.831	5.150	2.565%	15.888%
12.0	39.469	0.879	6.030	2.712%	18.600%
13.0	38.019	0.920	6.949	2.837%	21.436%
14.0	36.425	0.953	7.902	2.939%	24.376%
15.0	34.651	0.976	8.878	3.010%	27.386%
16.0	32.878	0.989	9.867	3.052%	30.438%
17.0	31.266	0.999	10.866	3.081%	33.519%
18.0	29.732	1.006	11.872	3.102%	36.622%
19.0	28.129	1.007	12.879	3.105%	39.727%
20.0	26.330	0.997	13.875	3.075%	42.802%
21.0	24.854	0.983	14.858	3.032%	45.833%
22.0	23.610	0.974	15.832	3.004%	48.838%
23.0	22.288	0.963	16.795	2.971%	51.809%
24.0	20.932	0.945	17.740	2.915%	54.723%
25.0	19.653	0.923	18.663	2.847%	57.570%
26.0	18.408	0.898	19.561	2.772%	60.342%
27.0	17.257	0.873	20.434	2.692%	63.033%
28.0	15.978	0.841	21.275	2.596%	65.629%
29.0	14.495	0.797	22.073	2.459%	68.088%
30.0	13.293	0.750	22.823	2.314%	70.403%
31.0	12.116	0.707	23.530	2.181%	72.584%
32.0	10.956	0.661	24.191	2.039%	74.623%
33.0	9.695	0.608	24.799	1.877%	76.500%
34.0	8.509	0.551	25.350	1.699%	78.199%
35.0	7.640	0.502	25.852	1.547%	79.746%
36.0	6.599	0.453	26.305	1.399%	81.145%
37.0	5.610	0.398	26.703	1.228%	82.373%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	4.715	0.345	27.048	1.063%	83.436%
39.0	4.101	0.301	27.349	0.928%	84.364%
40.0	3.607	0.269	27.618	0.829%	85.194%
41.0	3.240	0.244	27.862	0.752%	85.946%
42.0	2.908	0.223	28.085	0.689%	86.635%
43.0	2.660	0.206	28.291	0.636%	87.271%
44.0	2.490	0.194	28.486	0.600%	87.871%
45.0	2.302	0.184	28.670	0.568%	88.439%
46.0	2.115	0.173	28.842	0.533%	88.971%
47.0	2.012	0.164	29.007	0.506%	89.478%
48.0	1.944	0.160	29.166	0.493%	89.971%
49.0	1.859	0.156	29.323	0.482%	90.453%
50.0	1.765	0.151	29.474	0.466%	90.919%
51.0	1.663	0.145	29.619	0.447%	91.366%
52.0	1.611	0.140	29.759	0.433%	91.800%
53.0	1.535	0.137	29.896	0.422%	92.222%
54.0	1.509	0.134	30.030	0.414%	92.636%
55.0	1.432	0.131	30.162	0.405%	93.041%
56.0	1.398	0.128	30.290	0.395%	93.435%
57.0	1.347	0.126	30.415	0.387%	93.823%
58.0	1.322	0.123	30.538	0.381%	94.203%
59.0	1.287	0.122	30.660	0.376%	94.580%
60.0	1.211	0.118	30.778	0.364%	94.944%
61.0	1.177	0.114	30.892	0.351%	95.295%
62.0	1.151	0.112	31.005	0.346%	95.641%
63.0	1.074	0.108	31.113	0.334%	95.975%
64.0	1.057	0.105	31.217	0.323%	96.298%
65.0	1.015	0.103	31.320	0.316%	96.614%
66.0	0.929	0.097	31.417	0.299%	96.913%
67.0	0.912	0.093	31.510	0.286%	97.199%
68.0	0.870	0.090	31.600	0.278%	97.477%
69.0	0.810	0.086	31.685	0.264%	97.742%
70.0	0.759	0.081	31.766	0.249%	97.990%
71.0	0.699	0.075	31.841	0.232%	98.223%
72.0	0.657	0.070	31.912	0.217%	98.440%
73.0	0.639	0.068	31.980	0.209%	98.649%
74.0	0.546	0.062	32.042	0.192%	98.841%
75.0	0.520	0.056	32.098	0.174%	99.015%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.477	0.053	32.151	0.163%	99.178%
77.0	0.426	0.048	32.199	0.149%	99.327%
78.0	0.358	0.042	32.241	0.130%	99.456%
79.0	0.350	0.038	32.279	0.117%	99.574%
80.0	0.281	0.034	32.313	0.105%	99.679%
81.0	0.239	0.028	32.342	0.087%	99.765%
82.0	0.196	0.024	32.365	0.073%	99.838%
83.0	0.179	0.020	32.386	0.063%	99.901%
84.0	0.111	0.016	32.401	0.049%	99.950%
85.0	0.051	0.009	32.410	0.027%	99.977%
86.0	0.034	0.005	32.415	0.014%	99.991%
87.0	0.000	0.002	32.417	0.006%	99.997%
88.0	0.000	0.000	32.417	0.000%	99.997%
89.0	0.000	0.000	32.417	0.000%	99.997%
90.0	0.000	0.000	32.417	0.000%	99.997%
91.0	0.000	0.000	32.417	0.000%	99.997%
92.0	0.000	0.000	32.417	0.000%	99.997%
93.0	0.000	0.000	32.417	0.000%	99.997%
94.0	0.000	0.000	32.417	0.000%	99.997%
95.0	0.000	0.000	32.417	0.000%	99.997%
96.0	0.000	0.000	32.417	0.000%	99.997%
97.0	0.000	0.000	32.417	0.000%	99.997%
98.0	0.000	0.000	32.417	0.000%	99.997%
99.0	0.000	0.000	32.417	0.000%	99.997%
100.0	0.000	0.000	32.417	0.000%	99.997%
101.0	0.000	0.000	32.417	0.000%	99.997%
102.0	0.000	0.000	32.417	0.000%	99.997%
103.0	0.000	0.000	32.417	0.000%	99.997%
104.0	0.000	0.000	32.417	0.000%	99.997%
105.0	0.000	0.000	32.417	0.000%	99.997%
106.0	0.000	0.000	32.417	0.000%	99.997%
107.0	0.000	0.000	32.417	0.000%	99.997%
108.0	0.000	0.000	32.417	0.000%	99.997%
109.0	0.000	0.000	32.417	0.000%	99.997%
110.0	0.000	0.000	32.417	0.000%	99.997%
111.0	0.000	0.000	32.417	0.000%	99.997%
112.0	0.000	0.000	32.417	0.000%	99.997%
113.0	0.000	0.000	32.417	0.000%	99.997%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	32.417	0.000%	99.997%
115.0	0.000	0.000	32.417	0.000%	99.997%
116.0	0.000	0.000	32.417	0.000%	99.997%
117.0	0.000	0.000	32.417	0.000%	99.997%
118.0	0.000	0.000	32.417	0.000%	99.997%
119.0	0.000	0.000	32.417	0.000%	99.997%
120.0	0.000	0.000	32.417	0.000%	99.997%
121.0	0.000	0.000	32.417	0.000%	99.997%
122.0	0.000	0.000	32.417	0.000%	99.997%
123.0	0.000	0.000	32.417	0.000%	99.997%
124.0	0.000	0.000	32.417	0.000%	99.997%
125.0	0.000	0.000	32.417	0.000%	99.997%
126.0	0.000	0.000	32.417	0.000%	99.997%
127.0	0.000	0.000	32.417	0.000%	99.997%
128.0	0.000	0.000	32.417	0.000%	99.997%
129.0	0.000	0.000	32.417	0.000%	99.997%
130.0	0.000	0.000	32.417	0.000%	99.997%
131.0	0.000	0.000	32.417	0.000%	99.997%
132.0	0.000	0.000	32.417	0.000%	99.997%
133.0	0.000	0.000	32.417	0.000%	99.997%
134.0	0.000	0.000	32.417	0.000%	99.997%
135.0	0.000	0.000	32.417	0.000%	99.997%
136.0	0.000	0.000	32.417	0.000%	99.997%
137.0	0.000	0.000	32.417	0.000%	99.997%
138.0	0.000	0.000	32.417	0.000%	99.997%
139.0	0.000	0.000	32.417	0.000%	99.997%
140.0	0.000	0.000	32.417	0.000%	99.997%
141.0	0.000	0.000	32.417	0.000%	99.997%
142.0	0.000	0.000	32.417	0.000%	99.997%
143.0	0.000	0.000	32.417	0.000%	99.997%
144.0	0.000	0.000	32.417	0.000%	99.997%
145.0	0.000	0.000	32.417	0.000%	99.997%
146.0	0.000	0.000	32.417	0.000%	99.997%
147.0	0.000	0.000	32.417	0.000%	99.997%
148.0	0.000	0.000	32.417	0.000%	99.997%
149.0	0.000	0.000	32.417	0.000%	99.997%
150.0	0.000	0.000	32.417	0.000%	99.997%
151.0	0.000	0.000	32.417	0.000%	99.997%

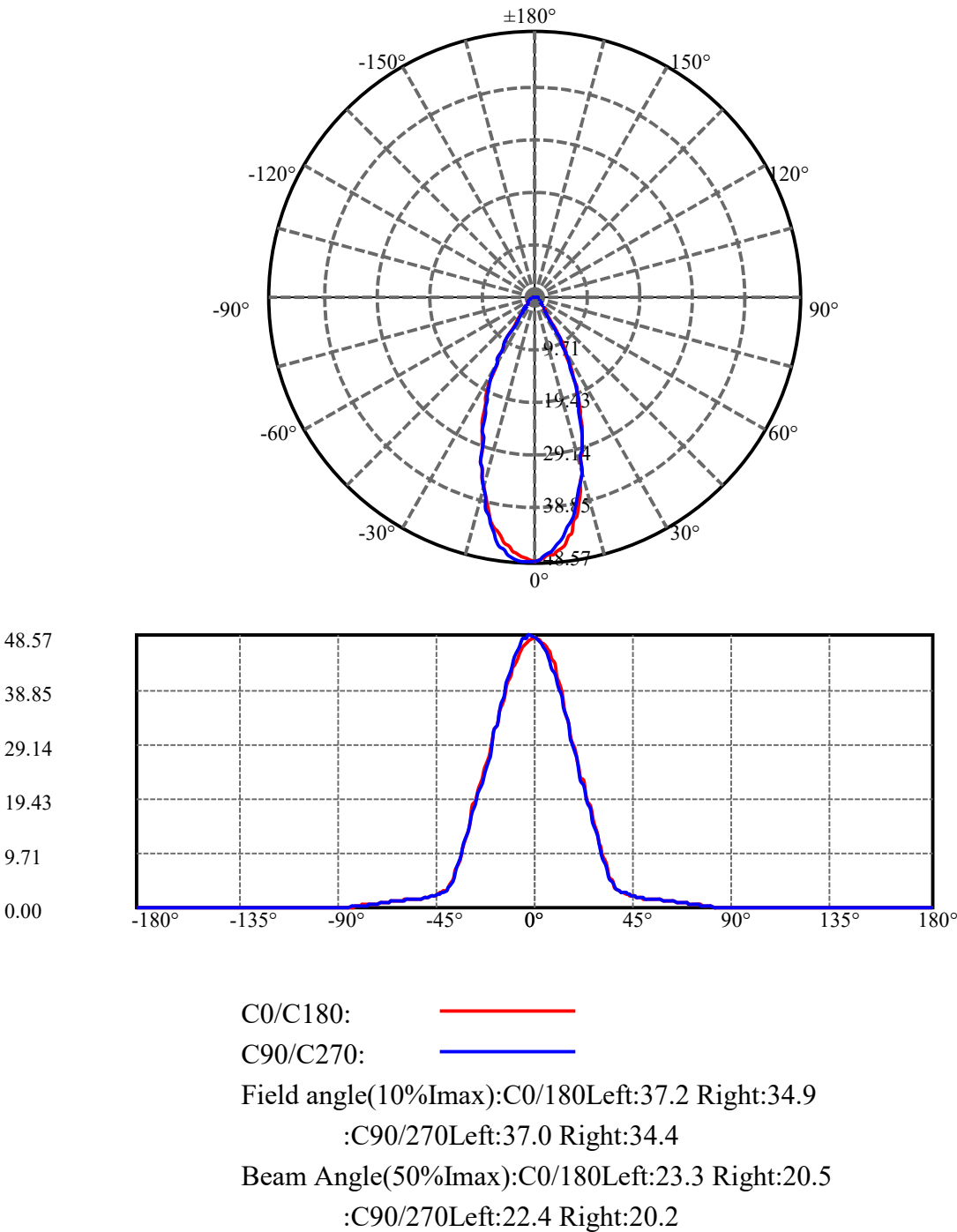
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	32.417	0.000%	99.997%
153.0	0.000	0.000	32.417	0.000%	99.997%
154.0	0.000	0.000	32.417	0.000%	99.997%
155.0	0.000	0.000	32.417	0.000%	99.997%
156.0	0.000	0.000	32.417	0.000%	99.997%
157.0	0.000	0.000	32.417	0.000%	99.997%
158.0	0.000	0.000	32.417	0.000%	99.997%
159.0	0.000	0.000	32.417	0.000%	99.997%
160.0	0.009	0.000	32.417	0.001%	99.998%
161.0	0.000	0.000	32.417	0.000%	99.998%
162.0	0.000	0.000	32.417	0.000%	99.998%
163.0	0.000	0.000	32.417	0.000%	99.998%
164.0	0.000	0.000	32.417	0.000%	99.998%
165.0	0.000	0.000	32.417	0.000%	99.998%
166.0	0.000	0.000	32.417	0.000%	99.998%
167.0	0.000	0.000	32.417	0.000%	99.998%
168.0	0.000	0.000	32.417	0.000%	99.998%
169.0	0.000	0.000	32.417	0.000%	99.998%
170.0	0.000	0.000	32.417	0.000%	99.998%
171.0	0.009	0.000	32.417	0.000%	99.998%
172.0	0.000	0.000	32.417	0.000%	99.999%
173.0	0.017	0.000	32.417	0.000%	99.999%
174.0	0.000	0.000	32.417	0.000%	99.999%
175.0	0.000	0.000	32.417	0.000%	99.999%
176.0	0.017	0.000	32.417	0.000%	100.000%
177.0	0.009	0.000	32.418	0.000%	100.000%
178.0	0.000	0.000	32.418	0.000%	100.000%
179.0	0.009	0.000	32.418	0.000%	100.000%
180.0	0.000	0.000	32.418	0.000%	100.000%

ZONAL LUMEN SUMMARY

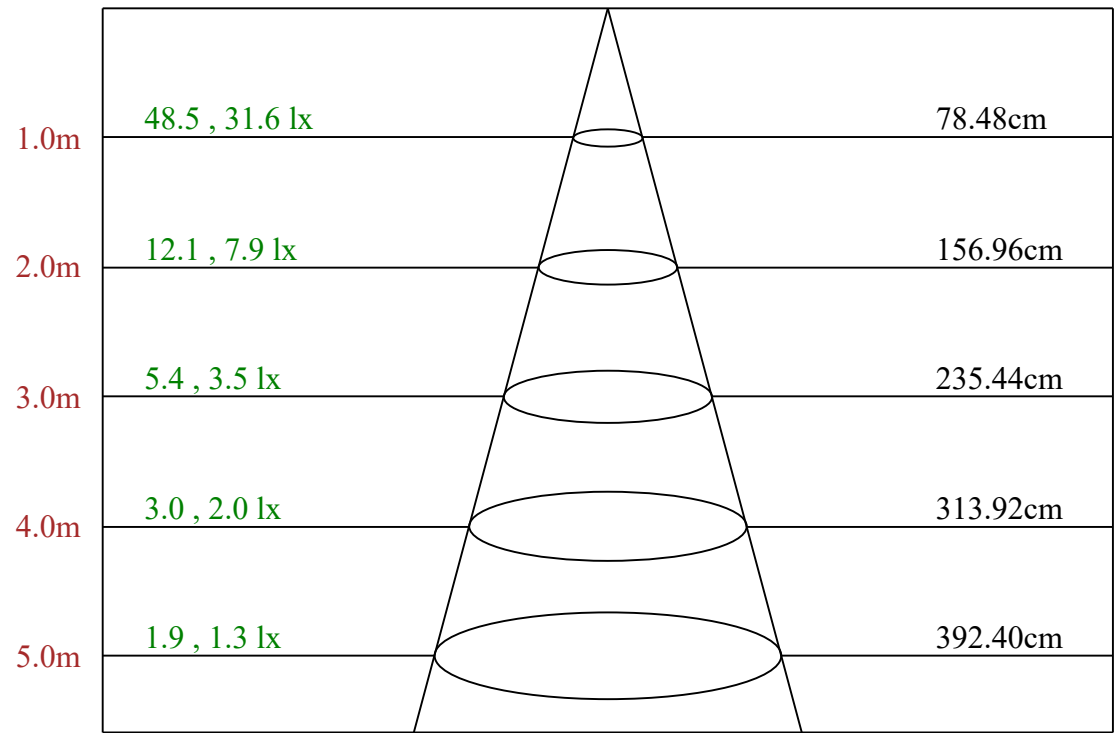
Zone	Lumens	%Fixt
0-30	22.82	70.40%
0-40	27.62	85.19%
0-60	30.78	94.94%
0-90	32.42	100.00%
0-120	32.42	100.00%
0-180	32.42	100.00%
60-90	1.64	5.05%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-35.18	25.93	80.00%

ZONAL LUMEN SUMMARY

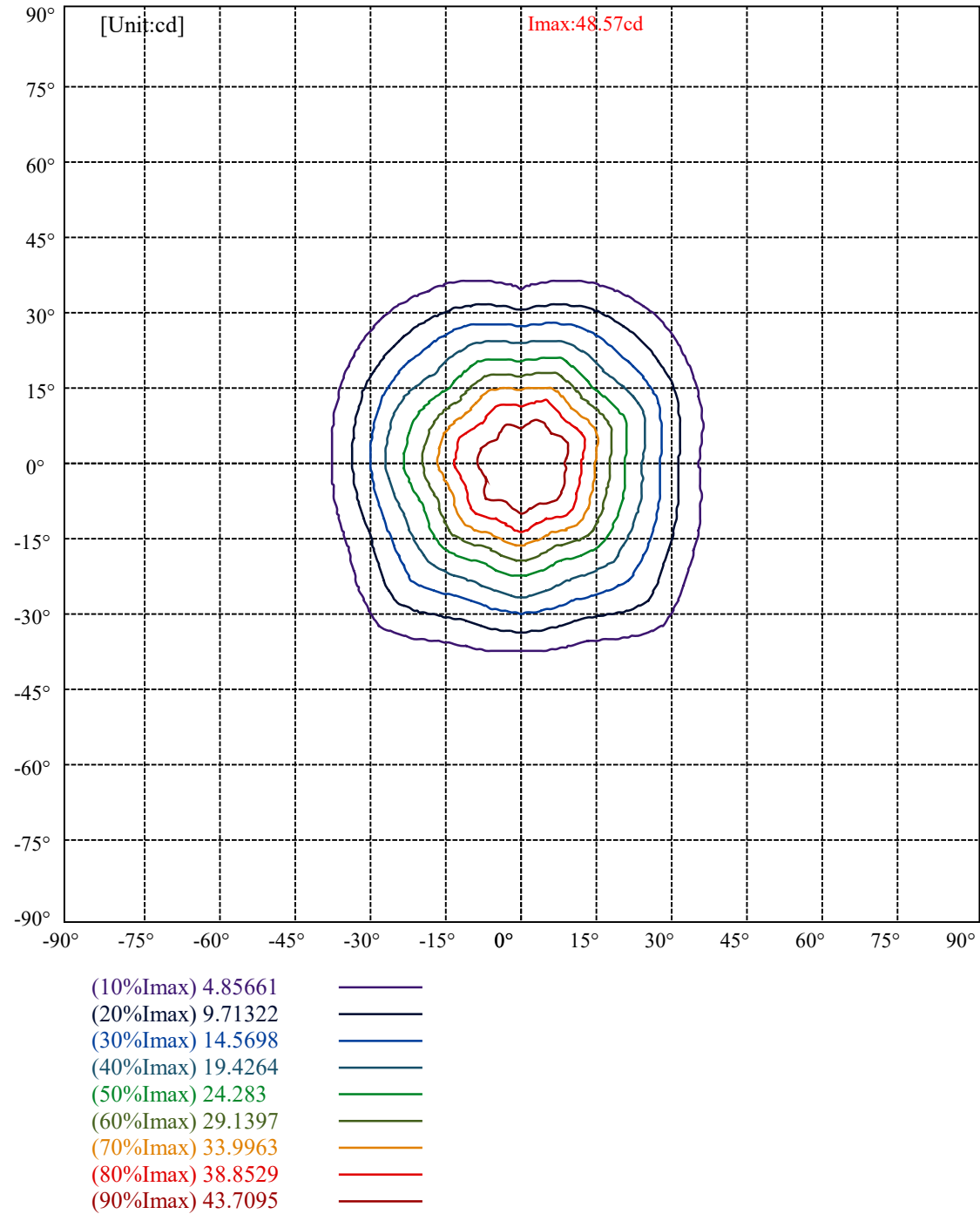
0-10	4.32
10-20	9.56
20-30	8.95
30-40	4.79
40-50	1.86
50-60	1.30
60-70	0.99
70-80	0.55
80-90	0.10
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

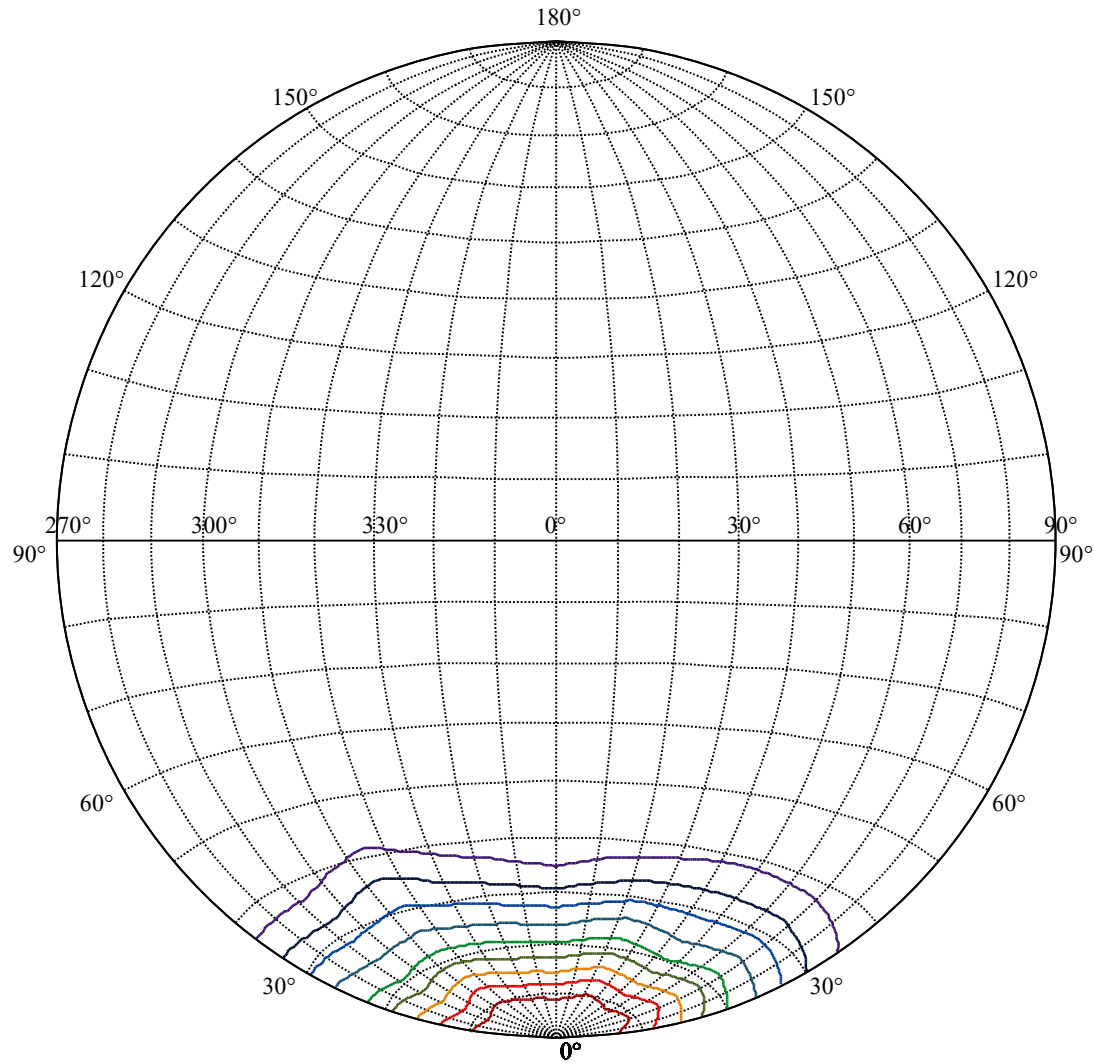






Max , Ave      Beam angle of C315 plane 42.85



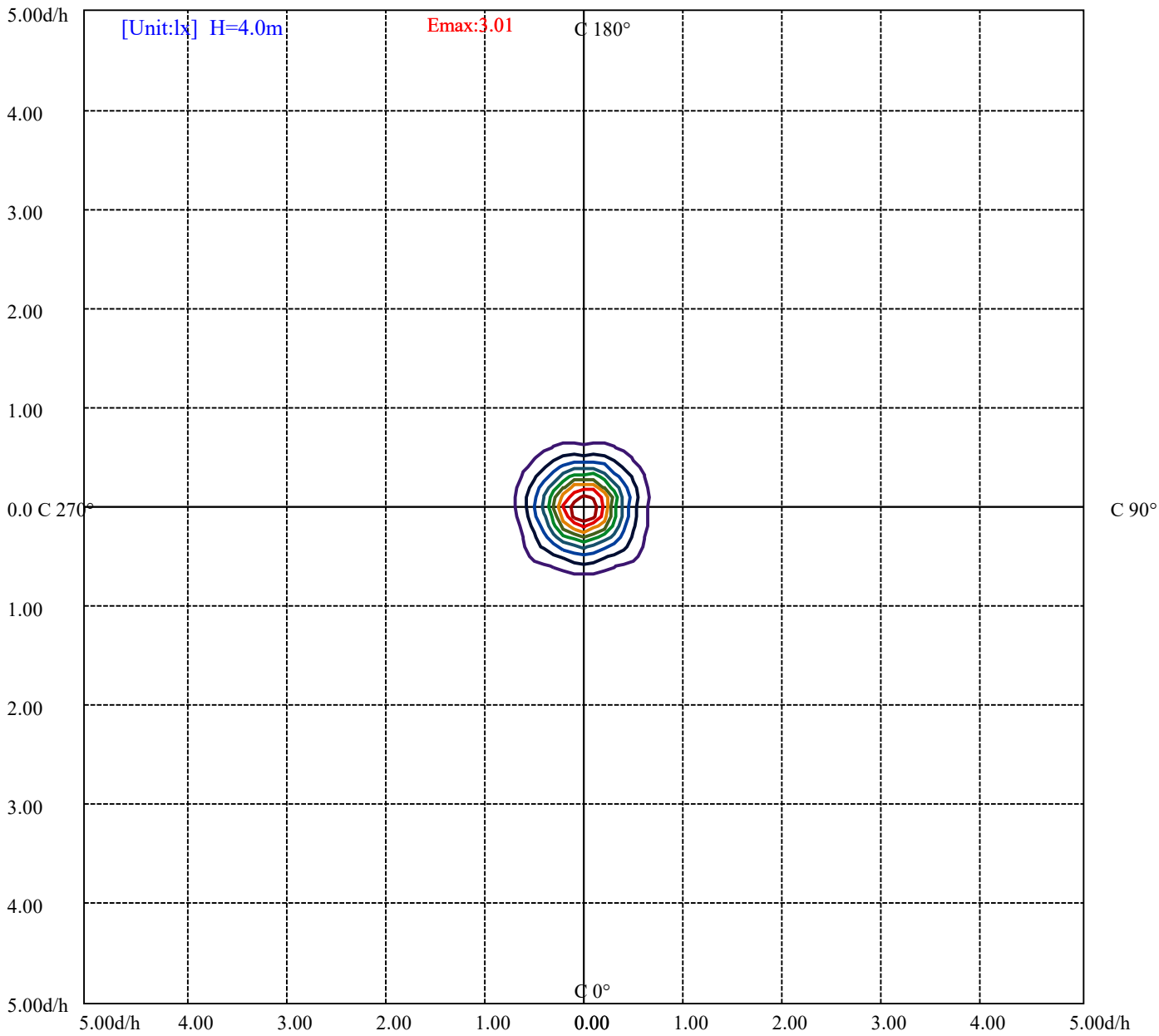


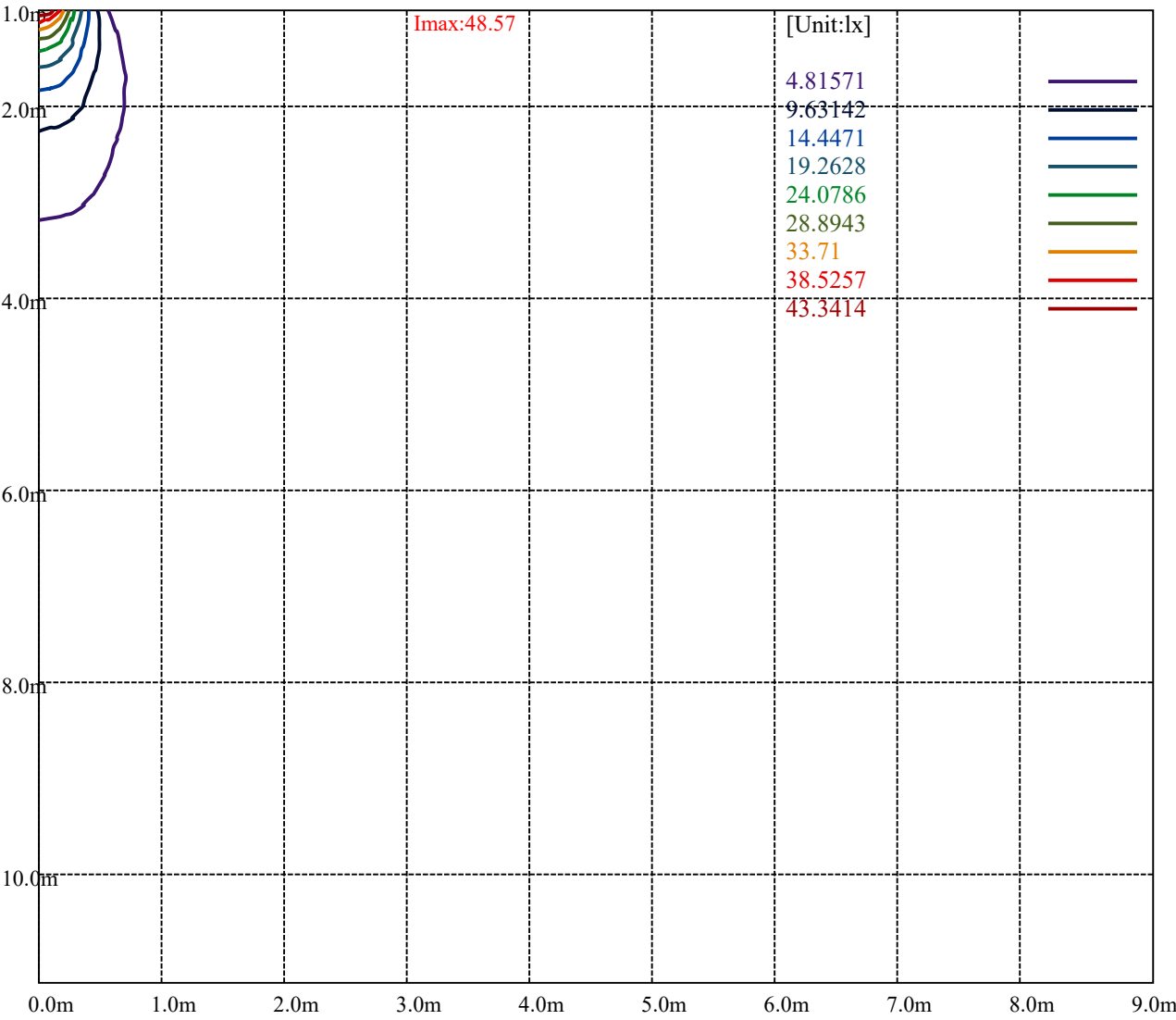
House

[Unit:cd]

Road

Imax:48.57	
(10%Imax) 4.85664	
(20%Imax) 9.71328	
(30%Imax) 14.5699	
(40%Imax) 19.4266	
(50%Imax) 24.2832	
(60%Imax) 29.1398	
(70%Imax) 33.9965	
(80%Imax) 38.8531	
(90%Imax) 43.7097	





Luminance Table

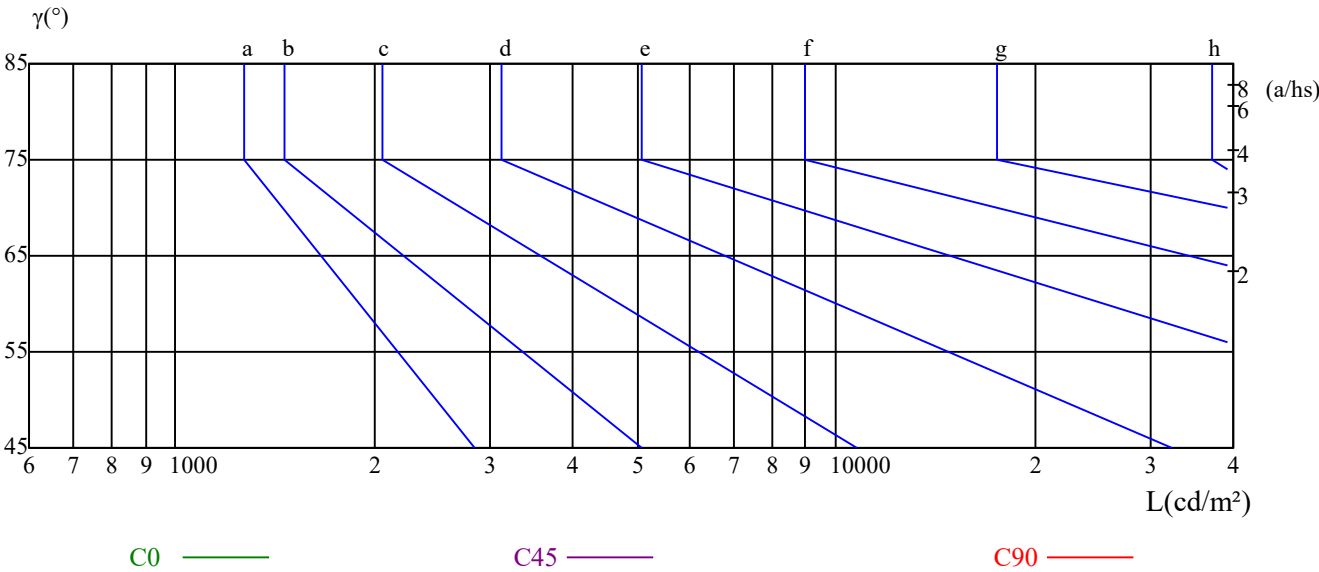
$\gamma$	45	50	55	60	65	70	75	80	85
C0	357	288	294	303	279	246	260	194	0
C45	381	341	294	303	279	246	260	194	0
C90	357	314	294	303	279	246	195	194	0

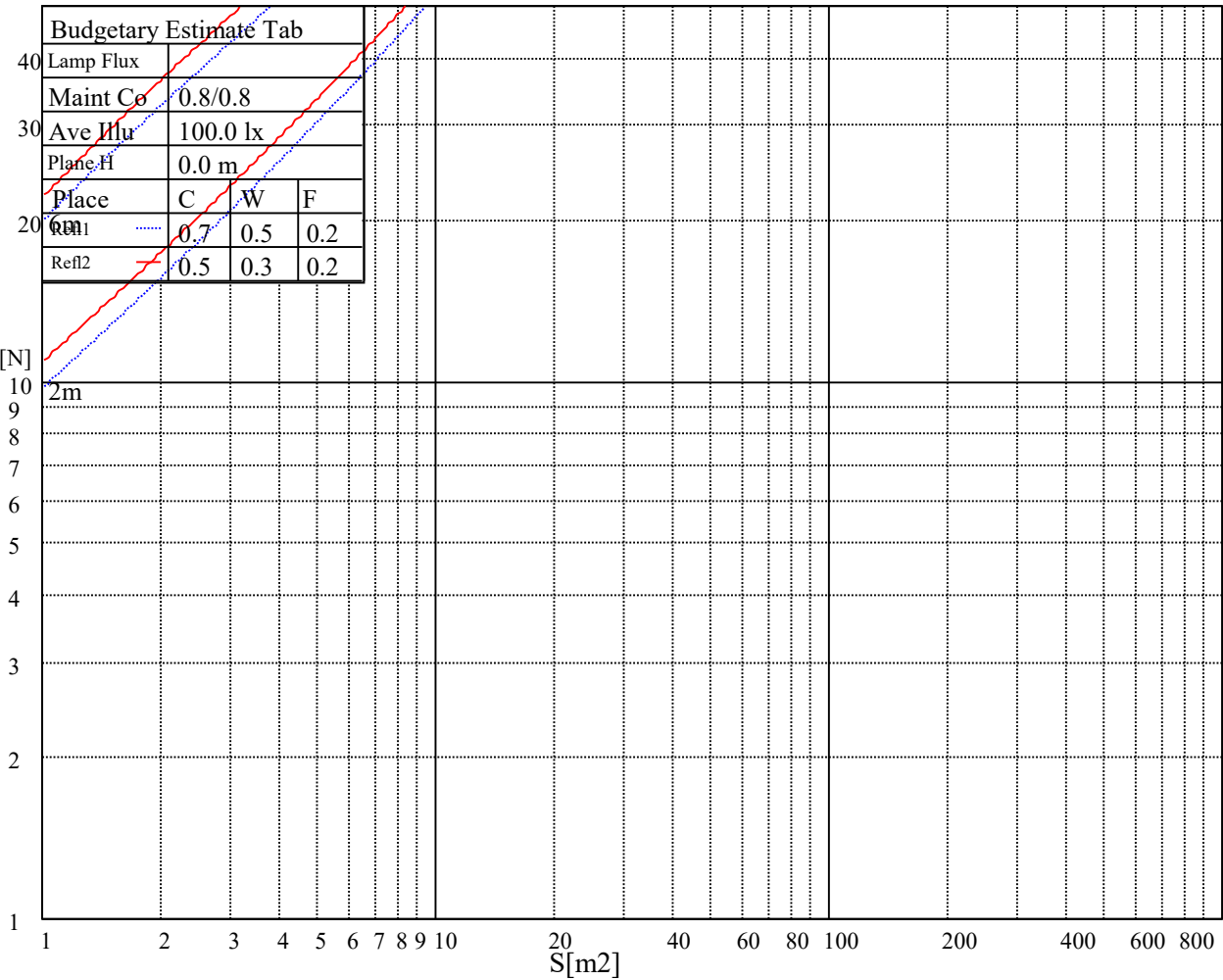
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
299	299	289	260	228	244	97	97	48

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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.92	0.97	0.93	0.90	0.94	0.91	0.88	0.91	0.89	0.87	0.85
3	0.94	0.89	0.85	0.93	0.88	0.84	0.90	0.86	0.83	0.88	0.84	0.81	0.85	0.83	0.80	0.79
4	0.88	0.82	0.78	0.87	0.81	0.77	0.85	0.80	0.76	0.83	0.79	0.75	0.81	0.77	0.75	0.73
5	0.82	0.76	0.72	0.81	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.68
6	0.77	0.71	0.67	0.77	0.71	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.65	0.64
7	0.73	0.67	0.63	0.72	0.67	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.60
8	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.58	0.66	0.62	0.58	0.65	0.61	0.58	0.57
9	0.65	0.60	0.56	0.65	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.54
10	0.62	0.56	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.51



## SPKPL-RDLRE2R-RGBTW-WH

Intensity data(cd)

Appendix Page: 17 Total:23

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	48.16	47.88	47.61	47.20	47.07	46.52	45.97	45.43	44.20
22.5	48.16	48.02	48.02	47.88	47.61	47.47	46.79	46.38	45.70
45.0	48.16	47.88	47.88	47.47	46.93	46.52	45.84	45.16	43.93
67.5	48.16	48.16	48.02	47.75	47.34	47.07	46.52	45.84	45.02
90.0	48.16	47.88	47.47	46.93	46.38	45.43	44.75	43.79	42.43
112.5	48.16	48.29	47.88	47.47	47.07	46.66	45.97	44.75	44.20
135.0	48.16	47.88	47.20	46.79	46.11	45.16	44.34	43.38	42.15
157.5	48.16	48.29	48.02	47.75	47.07	46.52	45.70	44.88	44.20
180.0	48.16	47.88	47.75	47.47	46.93	46.52	45.84	45.16	44.20
202.5	48.16	48.02	47.61	47.20	46.79	45.97	45.29	44.34	43.11
225.0	48.16	48.16	48.16	48.02	47.75	47.47	46.79	46.11	45.29
247.5	48.16	48.29	48.16	47.61	47.47	46.52	45.70	44.75	43.52
270.0	48.16	48.29	48.43	48.43	48.02	47.88	47.34	46.38	45.84
292.5	48.16	48.43	48.43	48.43	47.61	46.93	46.52	45.57	44.61
315.0	48.16	48.29	48.57	48.57	48.29	48.16	47.47	47.07	46.11
337.5	48.16	48.57	48.43	48.16	48.02	47.34	46.93	46.25	44.61
360.0	48.16	47.88	47.61	47.20	47.07	46.52	45.97	45.43	44.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	43.38	41.47	40.52	38.47	36.56	34.65	32.88	30.70	29.60
22.5	44.88	44.20	42.43	41.06	39.97	37.93	36.15	34.24	32.33
45.0	43.38	41.88	40.52	39.02	37.11	35.33	33.42	31.24	30.01
67.5	44.20	42.84	41.75	40.52	39.56	37.52	35.88	33.97	32.20
90.0	41.75	40.52	39.15	37.65	35.74	34.79	33.01	30.29	29.19
112.5	42.97	41.88	40.65	39.15	38.47	36.56	35.06	33.42	31.79
135.0	41.47	40.24	38.88	37.65	35.74	34.79	33.15	31.51	29.60
157.5	43.11	42.15	41.06	39.84	39.02	37.24	35.20	34.24	32.74
180.0	43.25	42.70	41.47	40.24	38.88	37.24	35.74	34.79	32.60
202.5	42.43	41.34	39.97	38.61	36.70	35.74	33.29	31.38	30.42
225.0	44.34	43.66	42.29	40.52	39.84	37.93	36.42	34.65	33.01
247.5	42.70	41.47	40.24	38.74	36.97	35.74	33.97	32.33	30.29
270.0	44.75	43.52	42.15	40.65	39.84	37.65	36.15	34.38	32.60
292.5	43.11	41.75	40.38	38.74	36.56	35.47	33.56	31.79	30.15
315.0	45.02	43.93	42.70	41.34	40.38	38.33	36.56	34.79	33.01
337.5	44.20	42.56	41.06	39.29	36.97	35.88	33.97	32.33	30.70
360.0	43.38	41.47	40.52	38.47	36.56	34.65	32.88	30.70	29.60
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	27.97	26.33	24.97	23.19	22.51	20.60	18.96	18.01	16.51
22.5	31.24	29.19	27.42	25.92	24.42	23.60	22.10	20.87	19.51
45.0	28.10	26.33	24.69	22.92	22.10	20.74	19.37	18.14	16.92
67.5	31.10	29.06	27.42	25.78	24.28	23.46	21.28	19.92	18.96
90.0	27.56	26.60	24.42	22.65	21.69	20.19	18.83	17.46	15.42
112.5	29.74	28.65	26.47	25.51	23.74	22.37	21.15	19.78	18.83
135.0	27.97	27.01	24.83	23.06	22.24	20.87	19.64	18.55	17.33
157.5	30.83	29.19	27.69	26.88	25.10	23.74	22.51	21.15	20.46
180.0	31.65	29.88	28.24	26.74	25.37	24.56	22.92	21.55	20.33
202.5	28.79	27.28	25.78	24.01	23.19	21.96	20.87	19.51	17.87
225.0	31.92	29.74	28.10	26.47	24.97	23.19	22.24	20.60	19.78
247.5	28.65	27.01	25.51	23.87	23.19	21.96	20.74	19.51	17.87
270.0	31.65	29.47	27.28	26.33	24.56	23.19	21.96	20.74	19.92
292.5	28.10	27.01	25.10	23.46	22.65	21.42	20.19	19.10	17.60
315.0	31.79	29.60	27.15	26.19	24.42	23.06	21.69	20.33	19.64
337.5	28.65	27.69	26.19	24.69	23.33	21.69	20.46	19.24	17.60
360.0	27.97	26.33	24.97	23.19	22.51	20.60	18.96	18.01	16.51

## SPKPL-RDLRE2R-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	15.01	13.37	11.60	10.91	9.41	8.19	6.82	5.46	4.77
22.5	17.87	16.51	15.14	13.64	12.82	11.19	9.96	8.73	7.64
45.0	16.23	15.42	13.92	13.23	12.14	11.19	10.10	8.87	8.19
67.5	17.46	16.10	14.60	13.37	12.41	10.78	9.69	8.59	7.50
90.0	14.46	12.96	11.46	9.96	8.73	7.50	6.41	5.05	4.50
112.5	17.19	15.96	14.60	13.10	12.28	10.91	9.28	8.73	7.50
135.0	16.64	15.55	14.60	13.64	12.28	11.32	10.37	9.00	8.46
157.5	18.96	17.60	16.23	14.46	12.96	12.14	10.37	9.69	8.19
180.0	18.96	18.01	15.42	13.92	12.96	11.19	9.96	8.59	7.37
202.5	17.19	15.82	14.46	12.82	11.46	10.37	9.00	7.78	7.09
225.0	18.42	17.33	16.23	15.42	14.87	13.78	12.69	11.73	10.91
247.5	17.19	15.82	13.64	13.23	11.60	10.37	9.28	8.05	7.37
270.0	18.42	16.92	15.28	13.78	12.96	11.32	9.96	8.73	7.23
292.5	16.92	15.55	14.19	12.82	11.32	10.64	9.00	7.64	7.23
315.0	18.42	17.33	16.37	15.55	14.46	13.92	12.96	12.01	11.05
337.5	16.78	15.42	14.19	12.82	11.19	10.50	9.28	7.50	7.23
360.0	15.01	13.37	11.60	10.91	9.41	8.19	6.82	5.46	4.77
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	3.68	3.41	3.00	2.73	2.59	2.46	2.32	2.18	2.18
22.5	7.09	5.32	4.37	3.82	3.27	2.86	2.59	2.46	2.46
45.0	7.09	6.14	5.46	4.50	3.96	3.41	2.73	2.59	2.32
67.5	6.41	5.46	4.64	4.09	3.41	3.00	2.73	2.59	2.59
90.0	3.82	3.27	3.00	2.86	2.73	2.59	2.46	2.32	2.18
112.5	6.41	5.46	4.50	3.96	3.41	3.14	2.86	2.73	2.59
135.0	7.37	6.41	5.46	4.64	4.37	3.68	3.14	2.59	2.32
157.5	7.09	6.14	5.05	4.50	3.55	3.00	2.86	2.59	2.46
180.0	6.55	5.05	4.09	3.55	3.14	3.00	2.73	2.59	2.46
202.5	6.14	5.05	4.23	3.55	3.14	2.86	2.59	2.46	2.32
225.0	9.69	9.00	7.50	6.82	5.87	5.18	4.50	3.82	3.41
247.5	6.41	5.32	4.37	3.55	3.27	2.86	2.73	2.46	2.32
270.0	6.00	4.77	3.96	3.55	3.14	2.86	2.73	2.46	2.46
292.5	5.87	4.91	3.96	3.27	3.00	2.86	2.59	2.46	2.18
315.0	9.96	8.73	7.64	6.96	5.73	5.18	4.37	3.82	3.41
337.5	6.00	5.32	4.23	3.27	3.14	2.86	2.59	2.46	2.18
360.0	3.68	3.41	3.00	2.73	2.59	2.46	2.32	2.18	2.18
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2.05	1.91	1.77	1.77	1.64	1.50	1.50	1.50	1.50
22.5	2.32	2.18	2.05	2.05	1.91	1.77	1.64	1.64	1.50
45.0	2.18	2.05	1.91	1.91	1.91	1.77	1.64	1.50	1.50
67.5	2.46	2.18	2.05	2.05	1.91	1.91	1.77	1.64	1.50
90.0	2.05	1.91	1.91	1.77	1.77	1.64	1.50	1.50	1.50
112.5	2.32	2.18	2.18	2.05	1.91	1.77	1.77	1.77	1.64
135.0	2.32	2.05	1.91	1.91	1.77	1.77	1.64	1.50	1.50
157.5	2.32	2.18	2.18	2.05	1.91	1.77	1.77	1.64	1.50
180.0	2.18	2.18	2.05	1.91	1.91	1.77	1.64	1.64	1.50
202.5	2.18	2.05	1.91	1.91	1.77	1.77	1.64	1.64	1.50
225.0	2.86	2.46	2.18	2.05	2.05	1.91	1.77	1.77	1.64
247.5	2.18	2.05	2.05	1.91	1.91	1.77	1.64	1.64	1.64
270.0	2.18	2.05	2.05	1.91	1.91	1.77	1.64	1.64	1.50
292.5	2.18	2.05	1.91	1.91	1.77	1.64	1.64	1.50	1.50
315.0	2.86	2.32	2.18	2.05	1.91	1.91	1.77	1.64	1.64
337.5	2.18	2.05	1.91	1.91	1.77	1.77	1.64	1.64	1.50
360.0	2.05	1.91	1.77	1.77	1.64	1.50	1.50	1.50	1.50

## SPKPL-RDLRE2R-RGBTW-WH

Intensity data(cd)

Appendix Page: 19 Total:23

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.36	1.36	1.36	1.36	1.23	1.23	1.23	1.23	1.09
22.5	1.50	1.36	1.50	1.36	1.36	1.36	1.23	1.23	1.23
45.0	1.50	1.36	1.36	1.23	1.23	1.23	1.23	1.09	1.09
67.5	1.50	1.50	1.36	1.36	1.36	1.36	1.23	1.23	1.23
90.0	1.50	1.36	1.36	1.36	1.23	1.23	1.23	1.09	1.09
112.5	1.50	1.50	1.50	1.36	1.36	1.36	1.23	1.23	1.23
135.0	1.50	1.36	1.36	1.23	1.23	1.23	1.23	1.09	1.09
157.5	1.64	1.50	1.36	1.36	1.36	1.36	1.23	1.23	1.23
180.0	1.50	1.50	1.36	1.36	1.36	1.36	1.23	1.23	1.23
202.5	1.50	1.36	1.36	1.36	1.23	1.23	1.09	1.23	1.09
225.0	1.64	1.50	1.50	1.36	1.36	1.36	1.23	1.09	1.09
247.5	1.50	1.36	1.36	1.36	1.36	1.23	1.09	1.09	1.09
270.0	1.50	1.50	1.36	1.36	1.36	1.23	1.23	1.23	1.23
292.5	1.50	1.50	1.36	1.36	1.36	1.23	1.23	1.23	1.09
315.0	1.50	1.50	1.50	1.36	1.36	1.36	1.23	1.23	1.23
337.5	1.50	1.36	1.36	1.36	1.36	1.23	1.23	1.09	1.09
360.0	1.36	1.36	1.36	1.36	1.23	1.23	1.23	1.23	1.09
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.09	0.95	0.95	0.82	0.82	0.82	0.82	0.68	0.68
22.5	1.09	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.68
45.0	0.95	0.95	0.95	0.95	0.82	0.82	0.68	0.68	0.68
67.5	1.09	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.82
90.0	1.09	0.95	0.95	0.82	0.82	0.82	0.82	0.68	0.68
112.5	1.09	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.68
135.0	0.95	1.09	0.95	0.82	0.82	0.82	0.68	0.68	0.55
157.5	1.09	1.09	1.09	0.95	0.95	0.82	0.82	0.82	0.82
180.0	1.09	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.68
202.5	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.68	0.68
225.0	1.09	1.09	1.09	0.95	0.95	0.82	0.82	0.82	0.68
247.5	1.09	1.09	0.95	0.95	0.82	0.82	0.82	0.68	0.68
270.0	1.09	1.09	1.09	0.95	0.95	0.95	0.82	0.82	0.68
292.5	1.09	0.95	0.95	0.95	0.95	0.82	0.82	0.82	0.68
315.0	1.09	1.09	0.95	0.95	0.95	0.82	0.95	0.68	0.82
337.5	1.09	1.09	0.95	0.95	0.95	0.95	0.82	0.82	0.68
360.0	1.09	0.95	0.95	0.82	0.82	0.82	0.82	0.68	0.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.68	0.55	0.55	0.55	0.41	0.41	0.27	0.27	0.27
22.5	0.68	0.68	0.55	0.68	0.55	0.55	0.41	0.41	0.41
45.0	0.55	0.68	0.55	0.55	0.41	0.41	0.27	0.27	0.27
67.5	0.68	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.27
90.0	0.68	0.55	0.55	0.41	0.41	0.41	0.27	0.27	0.27
112.5	0.68	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.27
135.0	0.55	0.55	0.55	0.41	0.41	0.41	0.27	0.27	0.14
157.5	0.68	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.27
180.0	0.68	0.68	0.55	0.55	0.55	0.55	0.55	0.27	0.27
202.5	0.68	0.55	0.55	0.41	0.41	0.41	0.27	0.27	0.27
225.0	0.68	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.27
247.5	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.41	0.27
270.0	0.68	0.68	0.55	0.55	0.41	0.41	0.41	0.41	0.27
292.5	0.55	0.68	0.55	0.41	0.55	0.41	0.27	0.27	0.27
315.0	0.68	0.68	0.55	0.55	0.55	0.41	0.41	0.41	0.41
337.5	0.68	0.68	0.55	0.55	0.41	0.41	0.27	0.41	0.27
360.0	0.68	0.55	0.55	0.55	0.41	0.41	0.27	0.27	0.27

## SPKPL-RDLRE2R-RGBTW-WH

Intensity data(cd)

Appendix Page: 20 Total:23

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
22.5	0.27	0.27	0.27	0.14	0.00	0.00	0.00	0.00	0.00
45.0	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.27	0.27	0.27	0.14	0.14	0.14	0.00	0.00	0.00
90.0	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
112.5	0.27	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00
135.0	0.27	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
157.5	0.27	0.27	0.14	0.00	0.14	0.00	0.00	0.00	0.00
180.0	0.27	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00
202.5	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.27	0.27	0.27	0.14	0.14	0.00	0.00	0.00	0.00
247.5	0.27	0.27	0.14	0.14	0.00	0.00	0.00	0.00	0.00
270.0	0.27	0.27	0.27	0.14	0.14	0.14	0.00	0.00	0.00
292.5	0.27	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
315.0	0.27	0.27	0.27	0.14	0.00	0.14	0.00	0.00	0.00
337.5	0.27	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
360.0	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
C/γ(°)	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/γ(°)	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): 25.0Date: 2024-11-12  
Humidity(%): 59.0%Operator: Liao  
Distance(m): 11.68

Intensity data(cd)

Appendix Page: 21 Total:23

C/ $\gamma$ (°)	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/ $\gamma$ (°)	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/ $\gamma$ (°)	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-RDLRE2R-RGBTW-WH

Intensity data(cd)

Appendix Page: 22 Total:23

C/ $\gamma$ (°)	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/ $\gamma$ (°)	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/ $\gamma$ (°)	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	0.00	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	0.14	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-RDLRE2R-RGBTW-WH

Intensity data(cd)

Appendix Page: 23 Total:23

C/ $\gamma(^{\circ})$	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	0.00	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/ $\gamma(^{\circ})$	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	0.14	0.00	0.14
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	0.14	0.00	0.00	0.14	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	0.14	0.00	0.00	0.14	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	0.14	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	0.14	0.00	0.14
C/ $\gamma(^{\circ})$	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								