



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-RDLRE4Q-RGBTW-WH

Luminaire:

Report No:

Ballast type:

Test No: BST24111310-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.041

Lamp flux(lm)

Power (W): 4.869

Number of Lamps: 1

PF: 0.976

Length(mm): 120

Width(mm): 120

Phm Type: C

Height(mm): 0

#### Photometric Results

Lumens(lm): 278.65, Luminous Efficacy(lm/W): 57.23

Central intensity(cd): 439.11, Maximum intensity(cd): 439.69

Angle of maximum intensity:  $C=112.5$   $\gamma=1.0$

Beam Angle(50%Imax): [C0/180]Total=41.4

[C90/270]Total=40.9

Field angle(10%Imax): [C0/180]Total=82.8

[C90/270]Total=82.0

Maximum s/h(1/2): C0\_180=0.71 C90\_270=0.61

Maximum s/h(1/4): C0\_180=0.74 C90\_270=0.65

Up flux rate of LUM(%): 0.40%

Down flux rate of LUM(%): 99.60%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.323%

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	439.110	0.000	0.000	0.000%	0.000%
1.0	438.709	0.420	0.420	0.151%	0.151%
2.0	436.765	1.257	1.677	0.451%	0.602%
3.0	432.681	2.079	3.756	0.746%	1.348%
4.0	429.117	2.885	6.641	1.035%	2.383%
5.0	424.069	3.670	10.311	1.317%	3.700%
6.0	417.052	4.420	14.731	1.586%	5.287%
7.0	408.645	5.125	19.856	1.839%	7.126%
8.0	398.558	5.777	25.633	2.073%	9.199%
9.0	390.074	6.391	32.025	2.294%	11.493%
10.0	380.081	6.970	38.995	2.501%	13.994%
11.0	366.320	7.458	46.453	2.677%	16.671%
12.0	353.632	7.870	54.323	2.824%	19.495%
13.0	339.351	8.224	62.547	2.951%	22.447%
14.0	324.626	8.499	71.046	3.050%	25.497%
15.0	309.551	8.706	79.752	3.124%	28.621%
16.0	291.466	8.807	88.558	3.160%	31.782%
17.0	275.283	8.826	97.384	3.167%	34.949%
18.0	261.701	8.854	106.238	3.177%	38.127%
19.0	244.298	8.803	115.041	3.159%	41.286%
20.0	227.169	8.629	123.670	3.097%	44.383%
21.0	211.574	8.425	132.095	3.023%	47.406%
22.0	199.126	8.253	140.348	2.962%	50.368%
23.0	188.672	8.137	148.485	2.920%	53.288%
24.0	173.299	7.914	156.399	2.840%	56.128%
25.0	161.976	7.623	164.023	2.736%	58.864%
26.0	152.145	7.415	171.438	2.661%	61.525%
27.0	142.877	7.218	178.655	2.590%	64.116%
28.0	133.234	6.991	185.646	2.509%	66.624%
29.0	123.505	6.717	192.363	2.411%	69.035%
30.0	116.479	6.480	198.843	2.325%	71.360%
31.0	109.760	6.296	205.138	2.259%	73.620%
32.0	101.737	6.059	211.198	2.174%	75.794%
33.0	94.652	5.786	216.983	2.076%	77.871%
34.0	87.541	5.514	222.497	1.979%	79.849%
35.0	82.280	5.274	227.771	1.893%	81.742%
36.0	76.755	5.064	232.835	1.817%	83.559%
37.0	70.837	4.814	237.648	1.728%	85.287%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	65.218	4.541	242.190	1.630%	86.917%
39.0	59.770	4.266	246.456	1.531%	88.448%
40.0	54.143	3.973	250.429	1.426%	89.873%
41.0	46.989	3.601	254.030	1.292%	91.166%
42.0	34.660	2.966	256.996	1.065%	92.230%
43.0	26.381	2.261	259.257	0.811%	93.042%
44.0	17.598	1.660	260.917	0.596%	93.638%
45.0	14.776	1.244	262.162	0.447%	94.084%
46.0	12.449	1.065	263.226	0.382%	94.466%
47.0	10.846	0.926	264.153	0.332%	94.799%
48.0	9.839	0.836	264.989	0.300%	95.099%
49.0	8.842	0.767	265.756	0.275%	95.374%
50.0	7.708	0.690	266.446	0.248%	95.622%
51.0	6.881	0.617	267.063	0.222%	95.843%
52.0	6.327	0.567	267.630	0.203%	96.047%
53.0	5.858	0.530	268.160	0.190%	96.237%
54.0	5.508	0.501	268.661	0.180%	96.417%
55.0	5.099	0.473	269.135	0.170%	96.587%
56.0	4.809	0.448	269.582	0.161%	96.747%
57.0	4.545	0.428	270.010	0.153%	96.901%
58.0	4.280	0.408	270.418	0.146%	97.047%
59.0	4.084	0.391	270.809	0.140%	97.188%
60.0	3.931	0.379	271.188	0.136%	97.323%
61.0	3.803	0.369	271.557	0.132%	97.456%
62.0	3.735	0.363	271.920	0.130%	97.586%
63.0	3.624	0.358	272.278	0.128%	97.715%
64.0	3.513	0.350	272.628	0.126%	97.840%
65.0	3.402	0.342	272.970	0.123%	97.963%
66.0	3.300	0.334	273.305	0.120%	98.083%
67.0	3.180	0.326	273.630	0.117%	98.200%
68.0	3.052	0.316	273.946	0.113%	98.313%
69.0	2.959	0.307	274.253	0.110%	98.423%
70.0	2.882	0.300	274.553	0.108%	98.531%
71.0	2.686	0.288	274.841	0.103%	98.634%
72.0	2.558	0.273	275.113	0.098%	98.732%
73.0	2.404	0.259	275.373	0.093%	98.825%
74.0	2.319	0.248	275.621	0.089%	98.914%
75.0	2.200	0.239	275.860	0.086%	99.000%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.055	0.226	276.086	0.081%	99.081%
77.0	1.867	0.209	276.295	0.075%	99.156%
78.0	1.748	0.194	276.488	0.069%	99.226%
79.0	1.594	0.180	276.668	0.064%	99.290%
80.0	1.424	0.163	276.831	0.058%	99.349%
81.0	1.262	0.145	276.976	0.052%	99.401%
82.0	1.108	0.129	277.104	0.046%	99.447%
83.0	0.963	0.113	277.217	0.040%	99.487%
84.0	0.801	0.096	277.313	0.035%	99.522%
85.0	0.622	0.078	277.391	0.028%	99.550%
86.0	0.443	0.058	277.449	0.021%	99.571%
87.0	0.324	0.042	277.491	0.015%	99.586%
88.0	0.205	0.029	277.520	0.010%	99.596%
89.0	0.068	0.015	277.535	0.005%	99.601%
90.0	0.017	0.005	277.540	0.002%	99.603%
91.0	0.000	0.001	277.541	0.000%	99.603%
92.0	0.000	0.000	277.541	0.000%	99.603%
93.0	0.000	0.000	277.541	0.000%	99.603%
94.0	0.000	0.000	277.541	0.000%	99.603%
95.0	0.000	0.000	277.541	0.000%	99.603%
96.0	0.000	0.000	277.541	0.000%	99.603%
97.0	0.000	0.000	277.541	0.000%	99.603%
98.0	0.000	0.000	277.541	0.000%	99.603%
99.0	0.000	0.000	277.541	0.000%	99.603%
100.0	0.000	0.000	277.541	0.000%	99.603%
101.0	0.000	0.000	277.541	0.000%	99.603%
102.0	0.000	0.000	277.541	0.000%	99.603%
103.0	0.000	0.000	277.541	0.000%	99.603%
104.0	0.000	0.000	277.541	0.000%	99.603%
105.0	0.000	0.000	277.541	0.000%	99.603%
106.0	0.000	0.000	277.541	0.000%	99.603%
107.0	0.000	0.000	277.541	0.000%	99.603%
108.0	0.000	0.000	277.541	0.000%	99.603%
109.0	0.000	0.000	277.541	0.000%	99.603%
110.0	0.000	0.000	277.541	0.000%	99.603%
111.0	0.000	0.000	277.541	0.000%	99.603%
112.0	0.000	0.000	277.541	0.000%	99.603%
113.0	0.000	0.000	277.541	0.000%	99.603%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	277.541	0.000%	99.603%
115.0	0.000	0.000	277.541	0.000%	99.603%
116.0	0.000	0.000	277.541	0.000%	99.603%
117.0	0.009	0.000	277.541	0.000%	99.604%
118.0	0.017	0.001	277.542	0.000%	99.604%
119.0	0.000	0.001	277.543	0.000%	99.604%
120.0	0.009	0.000	277.544	0.000%	99.604%
121.0	0.000	0.000	277.544	0.000%	99.605%
122.0	0.009	0.000	277.544	0.000%	99.605%
123.0	0.009	0.001	277.545	0.000%	99.605%
124.0	0.017	0.001	277.546	0.000%	99.605%
125.0	0.034	0.002	277.549	0.001%	99.606%
126.0	0.043	0.003	277.552	0.001%	99.607%
127.0	0.085	0.006	277.558	0.002%	99.609%
128.0	0.094	0.008	277.565	0.003%	99.612%
129.0	0.102	0.008	277.574	0.003%	99.615%
130.0	0.119	0.009	277.583	0.003%	99.619%
131.0	0.111	0.010	277.593	0.003%	99.622%
132.0	0.145	0.011	277.603	0.004%	99.626%
133.0	0.162	0.012	277.616	0.004%	99.630%
134.0	0.179	0.014	277.629	0.005%	99.635%
135.0	0.205	0.015	277.644	0.005%	99.641%
136.0	0.196	0.015	277.660	0.006%	99.646%
137.0	0.230	0.016	277.676	0.006%	99.652%
138.0	0.273	0.019	277.694	0.007%	99.659%
139.0	0.298	0.021	277.715	0.007%	99.666%
140.0	0.324	0.022	277.737	0.008%	99.674%
141.0	0.333	0.023	277.760	0.008%	99.682%
142.0	0.367	0.024	277.784	0.009%	99.691%
143.0	0.401	0.026	277.810	0.009%	99.700%
144.0	0.401	0.026	277.836	0.009%	99.709%
145.0	0.426	0.026	277.862	0.009%	99.719%
146.0	0.443	0.027	277.889	0.010%	99.728%
147.0	0.477	0.028	277.917	0.010%	99.738%
148.0	0.503	0.029	277.946	0.010%	99.749%
149.0	0.546	0.030	277.976	0.011%	99.760%
150.0	0.571	0.031	278.007	0.011%	99.771%
151.0	0.580	0.031	278.038	0.011%	99.782%

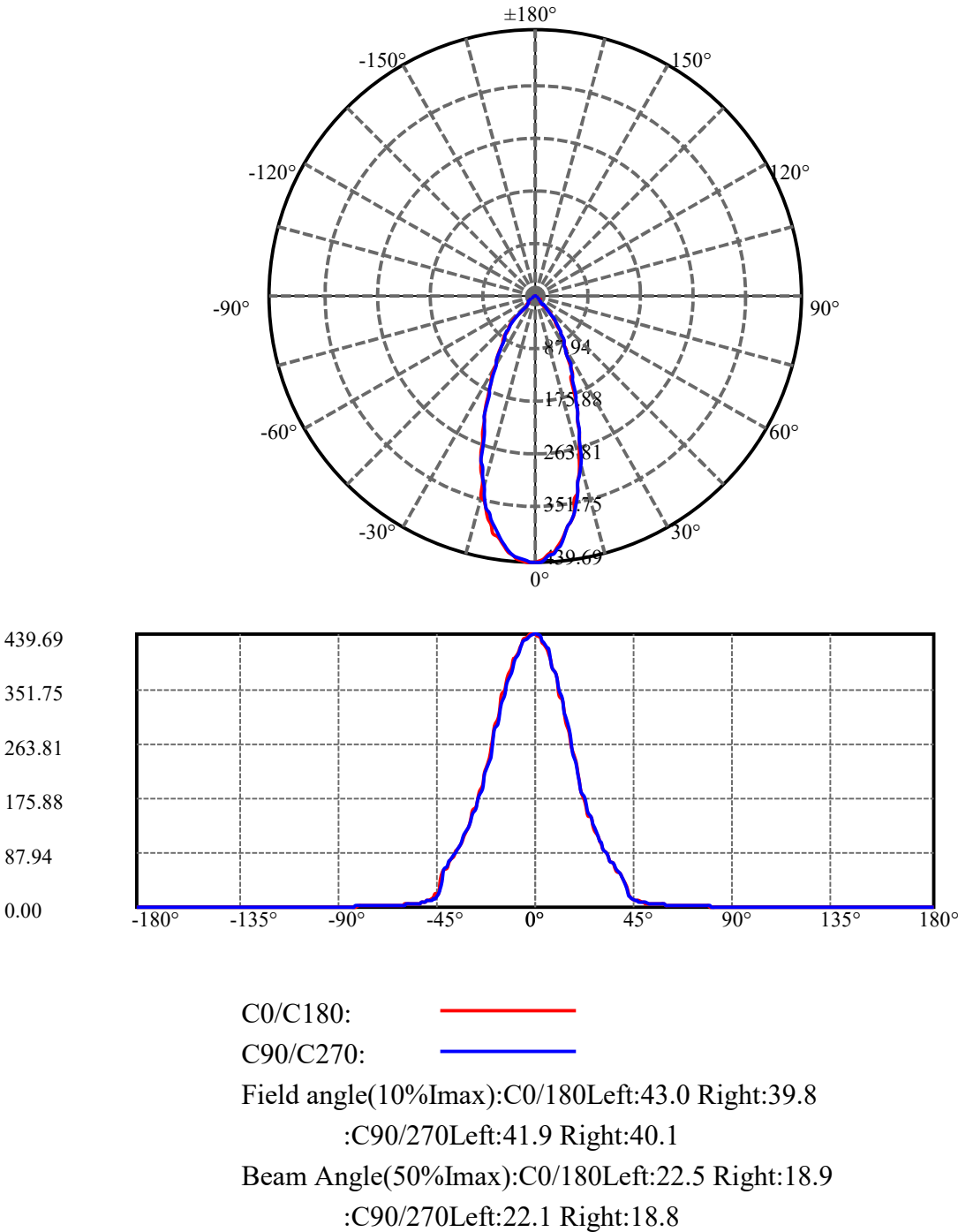
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.605	0.031	278.069	0.011%	99.793%
153.0	0.631	0.031	278.100	0.011%	99.804%
154.0	0.631	0.031	278.131	0.011%	99.815%
155.0	0.682	0.031	278.162	0.011%	99.827%
156.0	0.716	0.032	278.194	0.011%	99.838%
157.0	0.699	0.031	278.225	0.011%	99.849%
158.0	0.716	0.030	278.255	0.011%	99.860%
159.0	0.759	0.030	278.284	0.011%	99.870%
160.0	0.776	0.029	278.314	0.011%	99.881%
161.0	0.810	0.029	278.343	0.010%	99.891%
162.0	0.819	0.028	278.371	0.010%	99.901%
163.0	0.827	0.027	278.398	0.010%	99.911%
164.0	0.853	0.026	278.425	0.009%	99.921%
165.0	0.861	0.025	278.450	0.009%	99.930%
166.0	0.870	0.024	278.473	0.009%	99.938%
167.0	0.904	0.023	278.496	0.008%	99.946%
168.0	0.929	0.022	278.518	0.008%	99.954%
169.0	0.895	0.020	278.538	0.007%	99.961%
170.0	0.929	0.018	278.556	0.007%	99.968%
171.0	0.938	0.017	278.573	0.006%	99.974%
172.0	0.938	0.015	278.588	0.005%	99.979%
173.0	0.938	0.013	278.602	0.005%	99.984%
174.0	0.938	0.012	278.613	0.004%	99.988%
175.0	0.972	0.010	278.623	0.004%	99.992%
176.0	0.938	0.008	278.631	0.003%	99.995%
177.0	0.963	0.006	278.638	0.002%	99.997%
178.0	0.981	0.005	278.642	0.002%	99.999%
179.0	0.981	0.003	278.645	0.001%	100.000%
180.0	0.000	0.000	278.646	0.000%	100.000%

ZONAL LUMEN SUMMARY

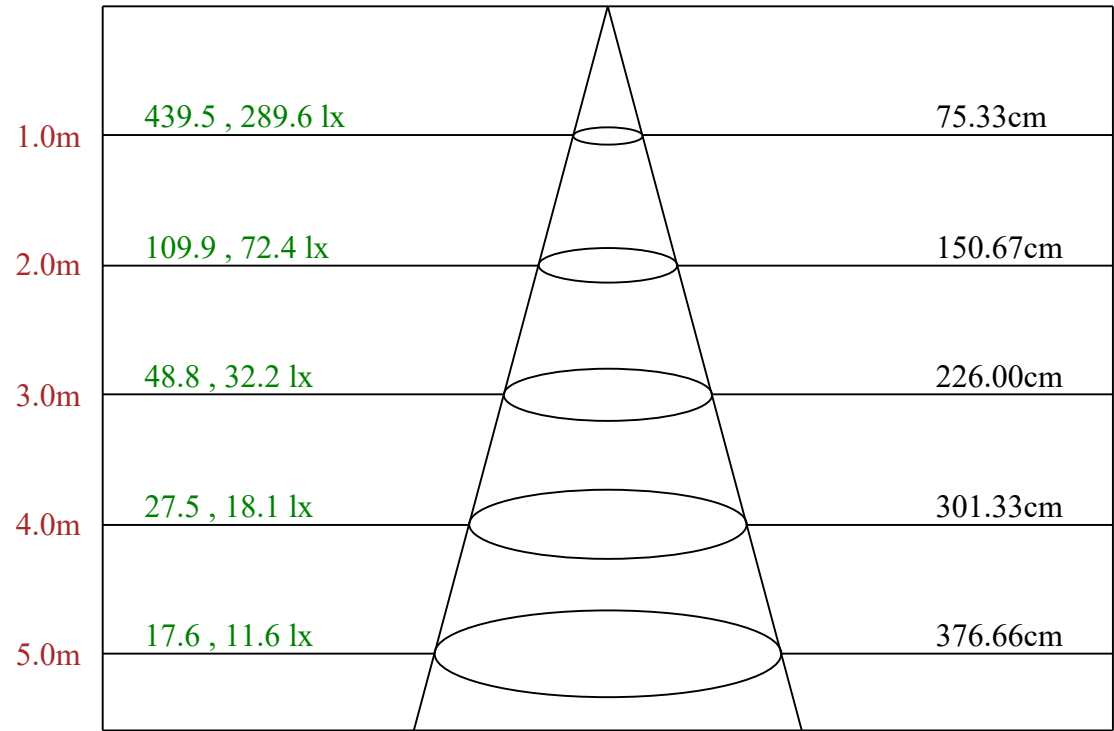
Zone	Lumens	%Fixt
0-30	198.84	71.36%
0-40	250.43	89.87%
0-60	271.19	97.32%
0-90	277.54	99.60%
0-120	277.54	99.60%
0-180	278.65	100.00%
60-90	6.35	2.28%
90-120	0.00	0.00%
90-130	0.04	0.02%
90-150	0.47	0.17%
90-180	1.11	0.40%
0-34.08	222.92	80.00%

ZONAL LUMEN SUMMARY

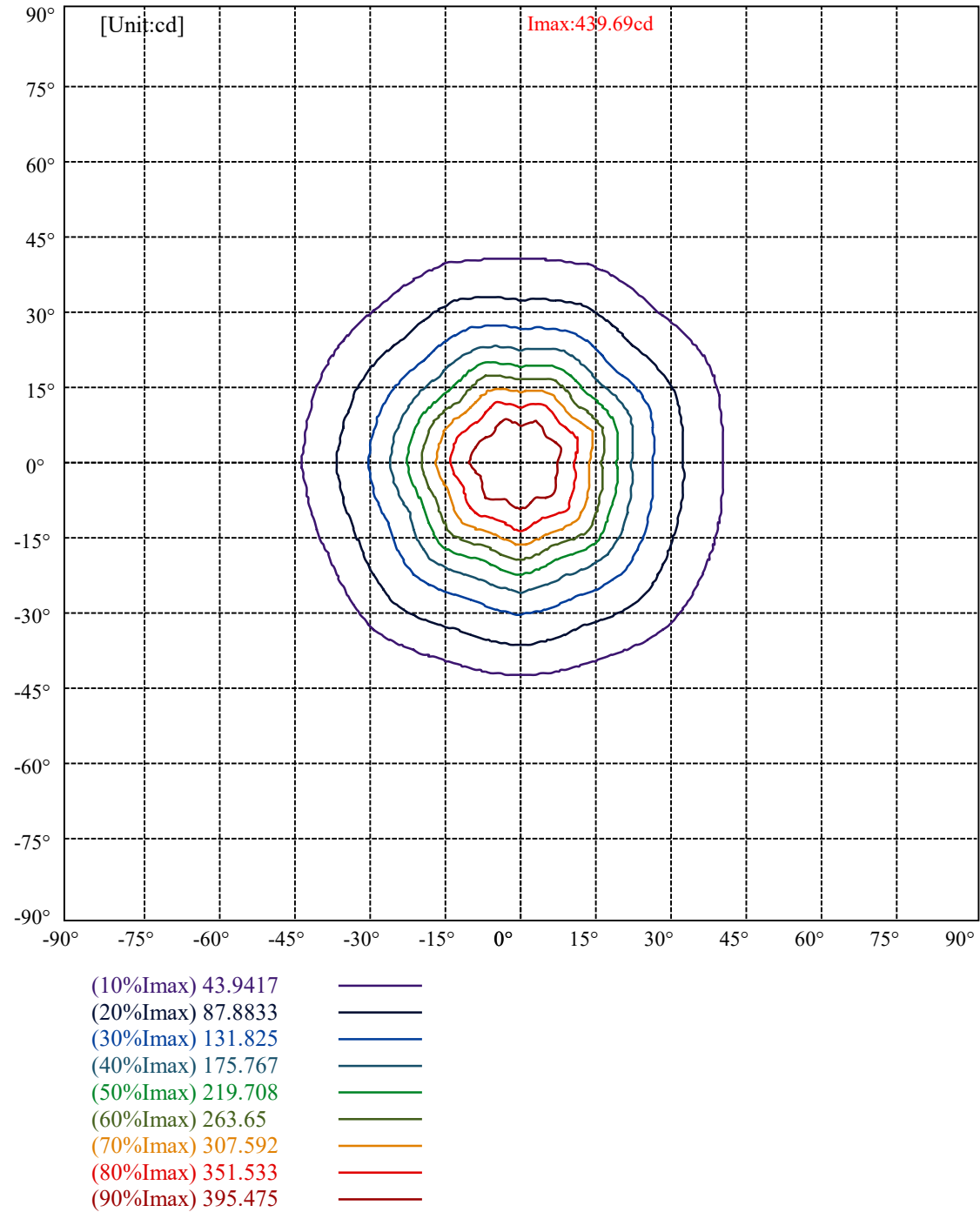
0-10	38.99
10-20	84.68
20-30	75.17
30-40	51.59
40-50	16.02
50-60	4.74
60-70	3.37
70-80	2.28
80-90	0.71
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.04
130-140	0.15
140-150	0.27
150-160	0.31
160-170	0.24
170-180	0.09

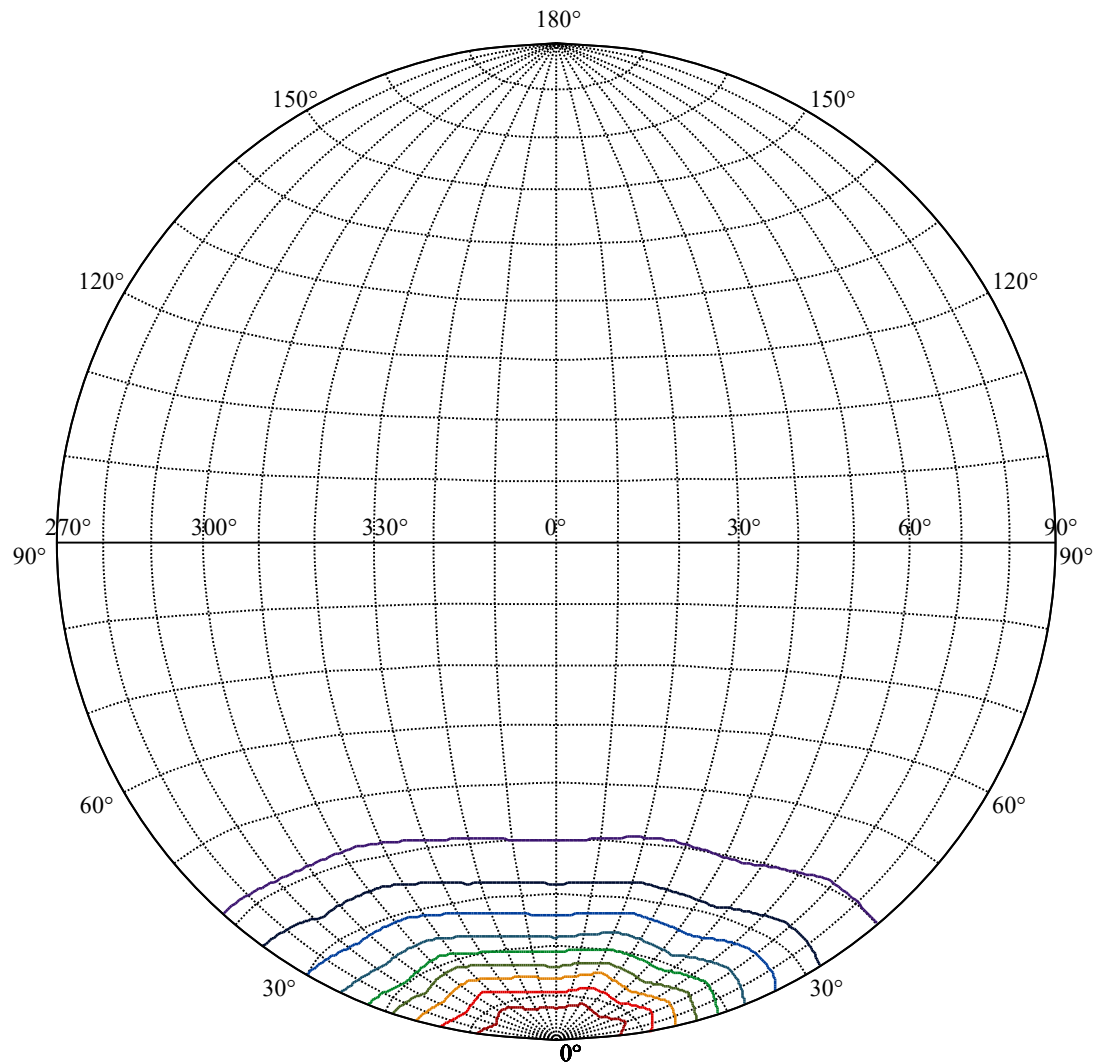






Max , Ave      Beam angle of C112.5 plane 41.28



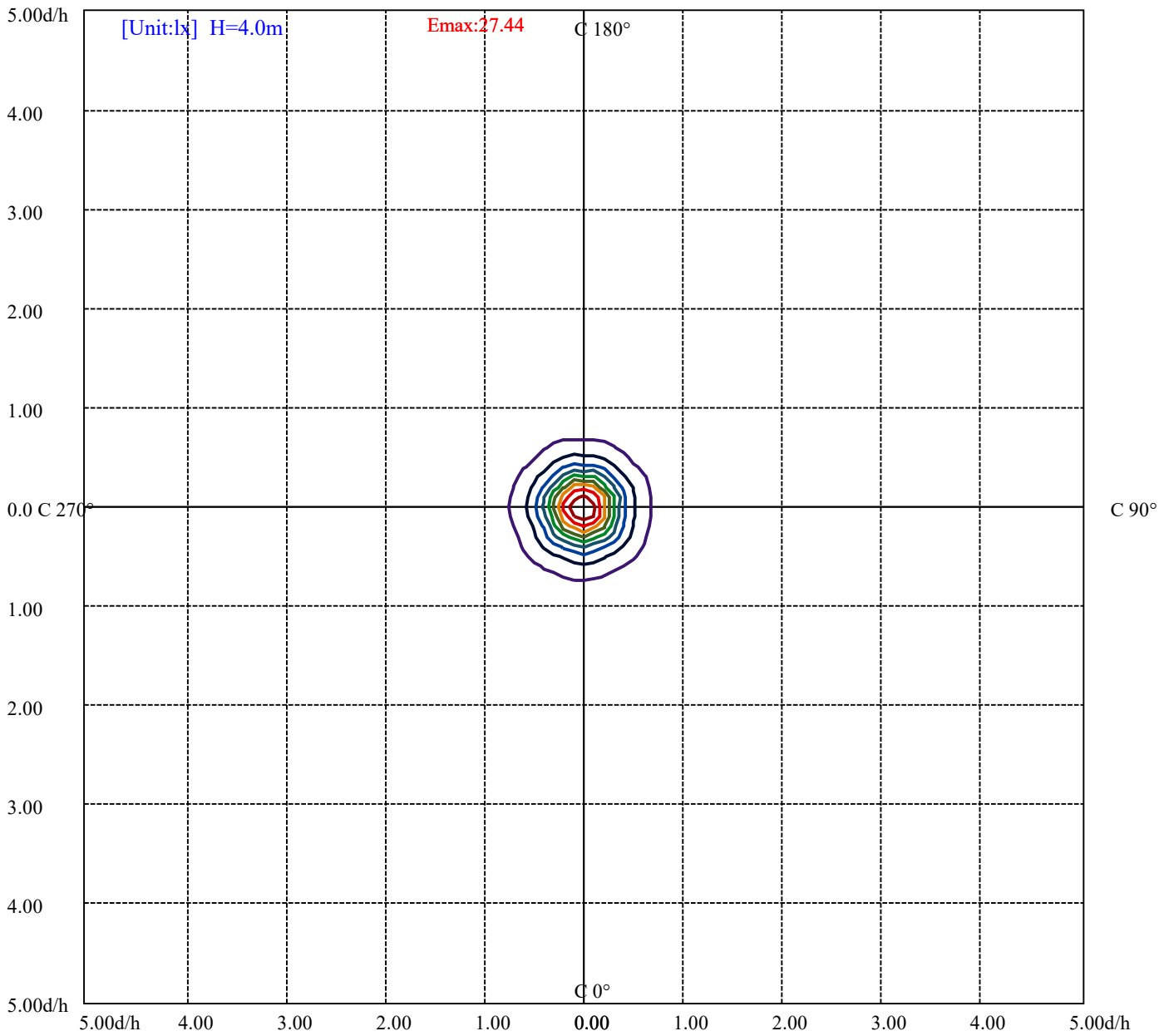


House

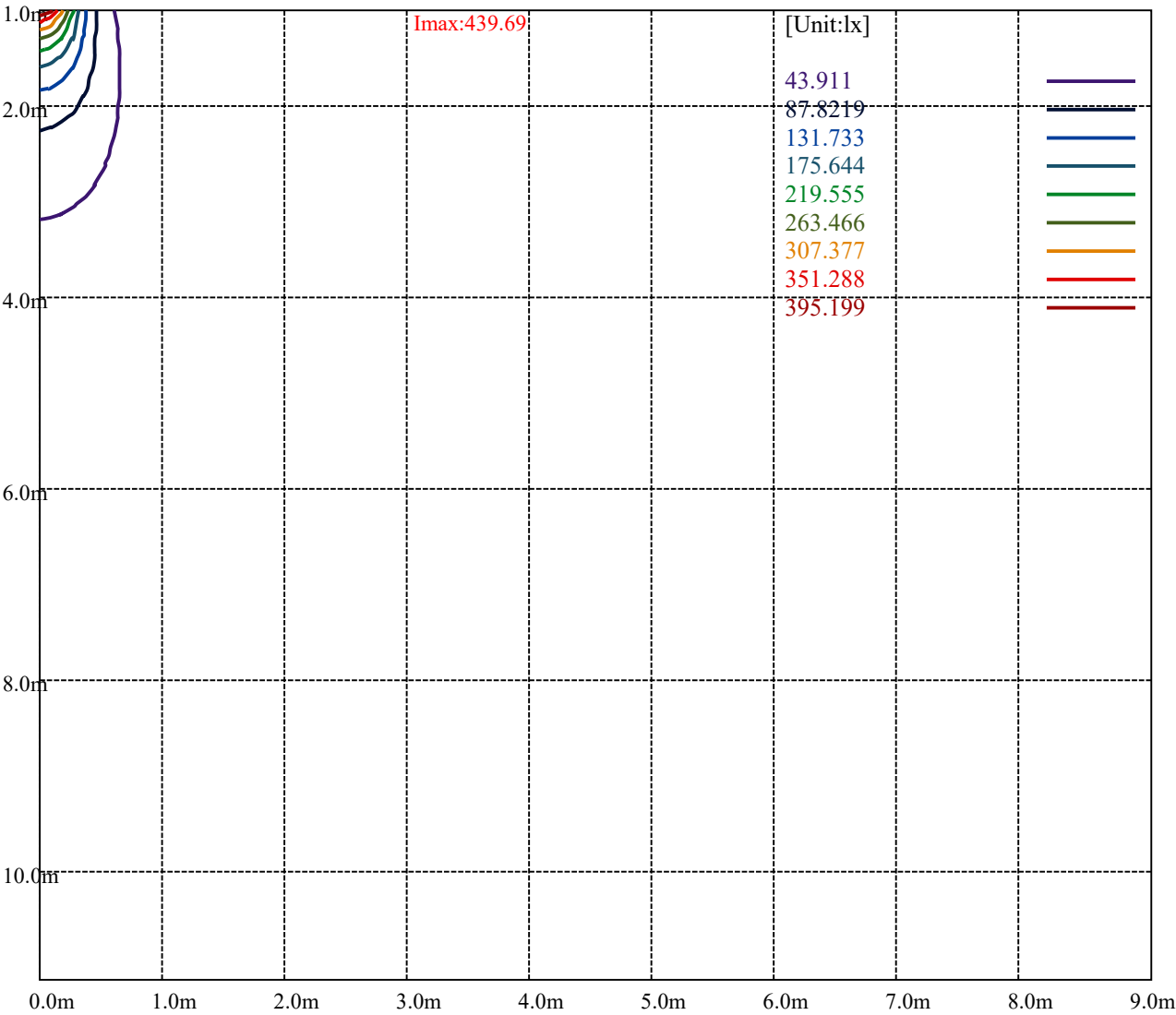
[Unit:cd]

Road

Imax:439.69	
(10%Imax) 43.9689	
(20%Imax) 87.9379	
(30%Imax) 131.907	
(40%Imax) 175.876	
(50%Imax) 219.845	
(60%Imax) 263.814	
(70%Imax) 307.783	
(80%Imax) 351.752	
(90%Imax) 395.72	



(10%Emax) 2.744431	—
(20%Emax) 5.488869	—
(30%Emax) 8.233313	—
(40%Emax) 10.97775	—
(50%Emax) 13.72219	—
(60%Emax) 16.46663	—
(70%Emax) 19.21106	—
(80%Emax) 21.9555	—
(90%Emax) 24.69994	—



Luminance Table

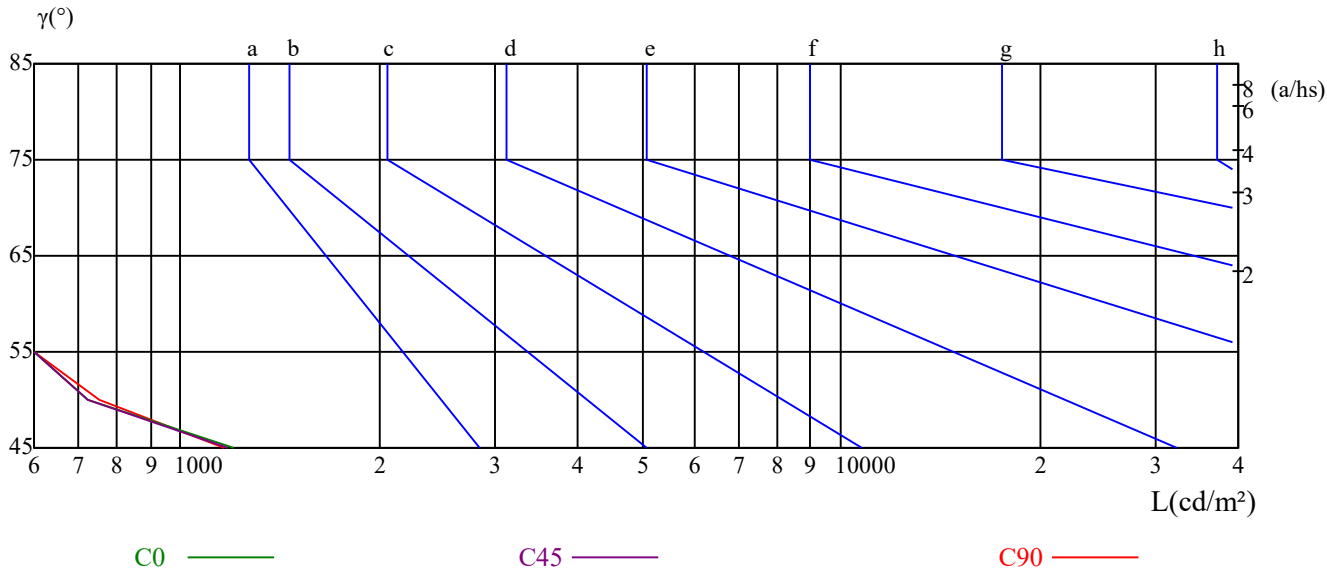
$\gamma$	45	50	55	60	65	70	75	80	85
C0	1206	722	578	549	560	582	512	436	326
C45	1179	722	578	549	560	609	586	546	435
C90	1166	752	578	549	583	582	586	546	435

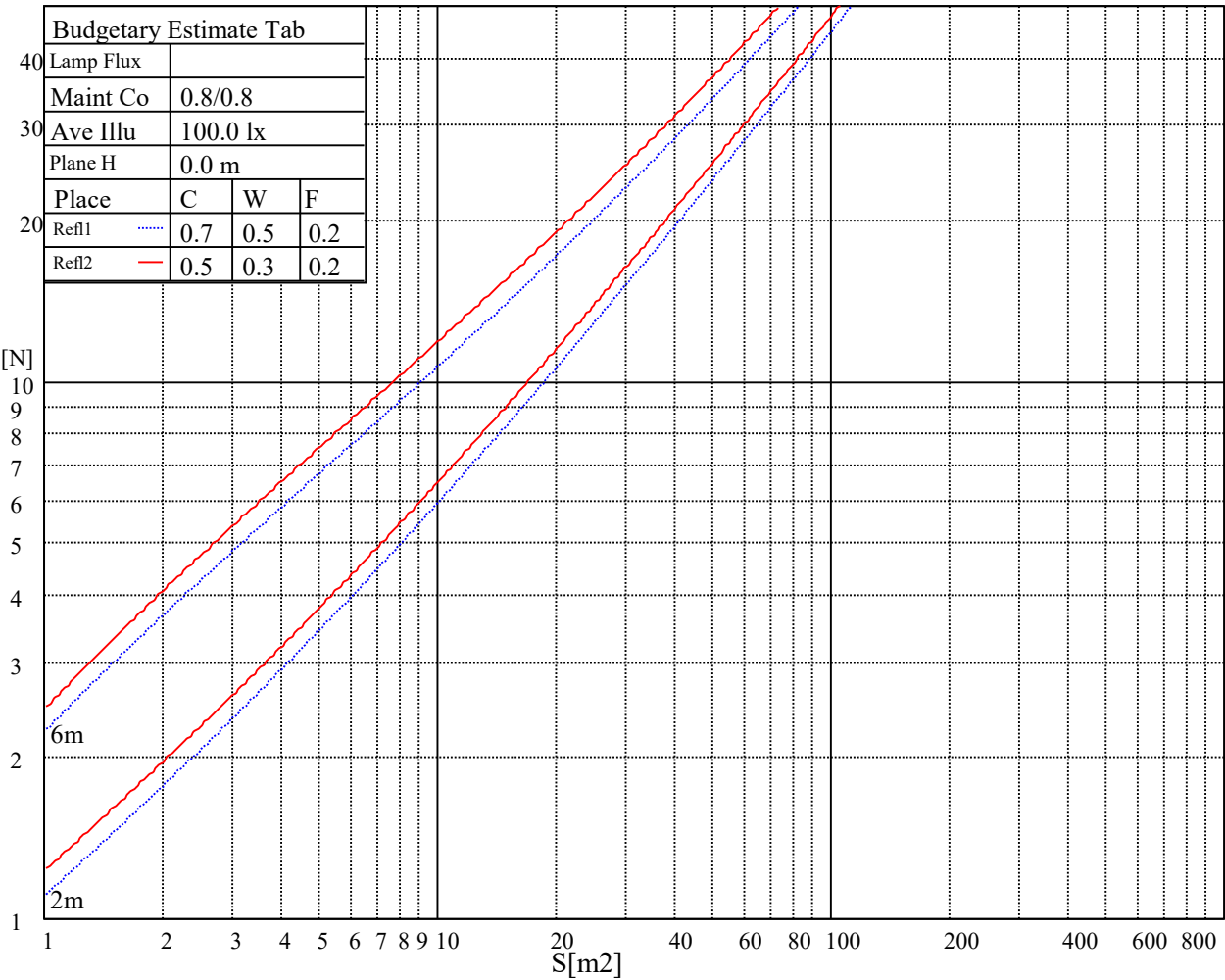
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
549	572	555	549	604	604	380	598	516

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	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	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	0.86
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	0.89	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.75
5	0.84	0.79	0.74	0.83	0.78	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.70
6	0.79	0.73	0.69	0.79	0.73	0.69	0.77	0.72	0.69	0.76	0.71	0.68	0.74	0.70	0.68	0.66
7	0.75	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.62
8	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.59
9	0.67	0.61	0.58	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.56
10	0.64	0.58	0.55	0.63	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.53



## SPKPL-RDLRE4Q-RGBTW-WH

Appendix Page: 17 Total:23

## Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	439.11	436.69	433.28	427.14	423.46	415.82	407.63	398.35	385.12
22.5	439.11	439.28	439.01	436.28	432.46	427.14	419.23	411.31	402.04
45.0	439.11	438.33	434.10	428.09	424.27	416.91	408.31	397.94	384.03
67.5	439.11	439.42	439.01	436.69	432.87	430.14	422.36	414.04	404.36
90.0	439.11	439.01	436.69	429.87	426.05	418.95	413.77	399.85	385.80
112.5	439.11	439.69	439.14	437.23	433.96	431.37	424.96	417.73	408.99
135.0	439.11	438.46	436.14	429.73	426.73	420.45	412.95	404.36	392.21
157.5	439.11	439.55	438.46	436.42	433.00	430.28	423.86	414.04	409.40
180.0	439.11	439.28	439.01	437.23	434.23	430.28	424.27	418.13	410.63
202.5	439.11	437.23	434.37	429.46	426.32	420.45	413.91	406.27	396.03
225.0	439.11	439.28	437.92	435.19	431.50	428.78	421.95	415.68	408.45
247.5	439.11	437.51	433.14	427.55	424.27	417.86	410.63	402.99	392.49
270.0	439.11	439.42	438.05	435.32	431.78	428.91	422.36	415.54	408.04
292.5	439.11	437.78	434.91	428.23	424.82	418.13	410.90	402.45	390.71
315.0	439.11	439.69	438.87	436.28	433.00	430.28	423.73	416.91	408.72
337.5	439.11	438.73	436.14	432.19	427.14	419.36	412.00	402.72	389.90
360.0	439.11	436.69	433.28	427.14	423.46	415.82	407.63	398.35	385.12
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	378.03	365.20	342.15	332.87	316.23	299.04	281.58	261.11	250.74
22.5	391.40	384.44	369.02	354.83	339.42	323.18	313.36	293.17	269.02
45.0	376.53	363.02	348.56	332.87	313.09	296.04	278.85	257.57	247.20
67.5	393.44	386.35	370.93	356.74	341.19	321.82	305.18	287.58	270.12
90.0	378.16	364.93	350.47	335.05	315.41	305.18	287.85	270.25	249.38
112.5	396.85	385.94	373.52	360.02	351.42	332.87	316.64	299.45	281.99
135.0	385.53	373.93	360.56	346.24	327.55	317.59	300.67	283.49	262.75
157.5	399.04	389.08	378.16	365.88	357.84	341.19	326.19	310.22	293.58
180.0	402.45	397.40	385.67	374.89	362.75	349.79	341.60	317.73	301.90
202.5	390.58	380.62	362.61	354.97	341.33	326.73	311.45	292.22	282.53
225.0	400.40	395.22	383.76	372.84	361.38	345.97	332.05	317.05	301.22
247.5	386.62	376.39	364.93	352.38	335.46	320.32	304.90	285.40	275.44
270.0	397.53	387.99	377.34	365.48	357.97	341.74	327.28	311.73	295.35
292.5	384.17	372.98	360.70	347.47	330.01	320.87	305.31	289.49	269.84
315.0	397.40	387.03	375.30	362.75	354.70	337.51	322.23	306.13	289.35
337.5	383.07	370.80	357.43	342.83	323.87	314.18	297.67	280.89	264.11
360.0	378.03	365.20	342.15	332.87	316.23	299.04	281.58	261.11	250.74
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	234.24	218.14	202.86	186.08	172.85	160.84	147.61	143.52	132.06
22.5	258.38	241.06	221.28	205.59	190.72	182.26	166.71	154.98	144.33
45.0	230.14	213.64	198.09	181.17	173.26	160.98	149.52	139.56	127.96
67.5	259.75	239.15	223.05	207.50	192.90	184.72	169.16	153.07	146.79
90.0	232.46	216.64	201.77	185.53	177.89	165.75	154.29	144.06	132.74
112.5	271.34	250.88	234.78	219.23	204.36	195.63	174.89	163.16	156.48
135.0	245.97	230.01	214.73	197.81	189.63	176.94	165.34	154.43	142.42
157.5	283.49	263.16	240.10	230.55	212.00	206.13	184.17	172.03	165.07
180.0	292.08	272.71	256.06	239.83	224.01	214.73	197.68	184.44	172.30
202.5	266.02	249.79	233.96	215.82	201.50	188.13	173.67	166.84	156.20
225.0	291.40	271.89	255.52	239.69	224.41	215.82	199.45	182.12	174.89
247.5	259.07	243.38	228.37	211.05	202.86	189.76	178.03	166.84	154.57
270.0	285.67	266.30	244.33	235.33	220.60	212.27	191.40	179.40	172.44
292.5	253.75	238.19	223.19	206.41	198.36	185.53	173.94	162.89	150.75
315.0	279.26	259.34	243.38	227.69	212.82	204.36	183.62	171.89	165.07
337.5	244.20	234.51	213.23	195.90	187.85	174.89	163.30	152.38	140.24
360.0	234.24	218.14	202.86	186.08	172.85	160.84	147.61	143.52	132.06

## SPKPL-RDLRE4Q-RGBTW-WH

Appendix Page: 18 Total:23

## Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	123.19	114.87	105.45	100.95	94.13	87.58	81.31	74.21	70.94
22.5	134.51	128.92	118.82	110.91	103.54	94.95	88.27	81.99	76.12
45.0	122.64	110.77	101.50	97.00	90.18	83.76	77.49	70.53	67.12
67.5	136.83	125.78	117.19	109.27	104.64	95.63	88.81	82.40	76.26
90.0	127.28	115.41	106.00	103.00	94.13	87.45	81.44	74.49	71.08
112.5	144.06	134.38	125.51	117.19	112.14	102.86	95.63	88.81	81.31
135.0	136.56	124.14	113.91	110.77	101.63	94.68	87.99	80.49	76.94
157.5	152.25	142.42	133.28	124.69	119.64	109.82	102.18	95.09	87.31
180.0	161.11	154.70	142.56	130.01	124.96	115.00	107.50	100.27	93.59
202.5	146.24	137.10	127.01	122.10	114.19	106.82	99.86	92.22	88.54
225.0	161.52	151.02	141.47	132.60	127.55	117.87	110.23	103.14	96.31
247.5	148.70	139.29	125.78	121.01	113.23	106.00	98.91	91.13	87.58
270.0	159.34	149.25	139.83	131.10	126.19	116.50	109.14	102.04	94.13
292.5	144.88	135.60	127.01	118.69	109.41	102.04	95.22	87.58	84.04
315.0	152.25	142.42	133.42	124.96	120.05	110.50	103.27	96.31	88.67
337.5	134.65	125.65	117.32	109.41	100.54	96.31	87.17	79.94	76.53
360.0	123.19	114.87	105.45	100.95	94.13	87.58	81.31	74.21	70.94
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	63.44	57.43	54.57	49.11	42.97	32.74	21.55	17.73	14.05
22.5	72.71	66.16	60.98	56.07	51.16	47.88	25.37	25.37	20.60
45.0	61.94	56.89	51.84	45.57	39.43	29.33	19.64	16.37	13.51
67.5	72.71	66.03	60.71	55.52	49.66	44.20	25.37	25.37	14.87
90.0	65.62	60.03	54.98	48.57	45.02	31.38	20.05	17.60	13.51
112.5	75.31	69.44	63.30	59.75	53.34	47.75	39.97	20.05	15.55
135.0	71.35	65.21	59.48	52.52	48.84	39.84	28.79	18.14	13.78
157.5	81.17	75.31	69.44	65.76	59.21	52.93	45.16	33.83	21.42
180.0	89.90	82.40	76.53	70.39	63.30	61.12	53.34	45.02	21.42
202.5	80.35	72.99	69.30	63.57	57.16	49.52	35.20	28.24	18.83
225.0	92.36	84.85	78.85	72.71	65.62	59.34	52.66	41.61	21.69
247.5	81.58	75.58	69.30	62.48	56.21	47.20	32.47	25.65	17.33
270.0	87.86	84.04	76.12	72.44	65.76	60.03	42.29	30.01	21.96
292.5	78.03	72.17	66.30	59.75	56.07	48.57	30.01	23.87	16.64
315.0	82.67	79.12	71.35	67.94	61.66	56.21	49.52	30.01	20.74
337.5	71.08	65.76	60.44	54.16	50.89	43.79	33.15	23.19	15.69
360.0	63.44	57.43	54.57	49.11	42.97	32.74	21.55	17.73	14.05
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	12.28	11.05	9.69	9.14	7.64	6.68	6.41	5.87	5.46
22.5	14.87	12.82	11.46	10.50	9.69	8.32	7.37	6.68	6.28
45.0	12.01	10.91	9.55	9.00	7.91	6.68	6.28	6.00	5.59
67.5	14.87	12.82	11.46	10.37	9.69	8.46	7.09	6.55	6.14
90.0	11.87	10.64	9.41	8.87	7.78	6.96	6.41	5.73	5.73
112.5	15.55	12.14	11.46	10.37	9.69	8.46	7.09	6.82	6.00
135.0	11.87	10.64	9.41	8.73	7.64	6.82	6.28	5.87	5.59
157.5	17.46	12.55	11.46	10.23	9.00	7.91	7.09	6.68	6.00
180.0	21.42	15.14	12.41	10.78	10.10	8.73	7.64	6.82	6.14
202.5	13.92	11.73	10.10	9.00	7.78	6.82	6.41	5.87	5.46
225.0	15.28	15.28	12.28	10.64	9.28	8.73	7.50	6.68	6.00
247.5	13.23	11.32	9.69	9.00	8.05	6.96	6.41	5.73	5.32
270.0	13.92	13.92	12.28	10.78	10.10	8.32	7.23	6.82	6.28
292.5	13.23	11.46	9.96	9.28	8.19	7.23	6.55	5.87	5.59
315.0	20.74	15.14	12.69	11.19	10.50	8.73	7.64	7.09	6.28
337.5	13.92	11.60	10.23	9.55	8.46	7.50	6.68	6.14	5.87
360.0	12.28	11.05	9.69	9.14	7.64	6.68	6.41	5.87	5.46

## SPKPL-RDLRE4Q-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	5.18	4.77	4.50	4.37	4.23	4.09	3.96	3.96	3.68		
22.5	5.87	5.46	5.18	4.77	4.50	4.37	4.09	4.09	3.96		
45.0	5.18	4.77	4.64	4.37	4.23	4.09	3.96	3.96	3.82		
67.5	5.73	5.46	4.91	4.77	4.50	4.37	4.23	3.96	3.96		
90.0	5.32	4.77	4.64	4.37	4.23	4.09	3.96	3.96	3.82		
112.5	5.73	5.32	4.91	4.77	4.50	4.09	4.23	3.82	3.82		
135.0	5.18	4.64	4.50	4.23	4.09	3.96	3.82	3.68	3.55		
157.5	5.59	5.32	5.05	4.64	4.37	4.09	3.82	3.68	3.68		
180.0	6.00	5.32	5.05	4.91	4.37	4.23	3.96	3.68	3.82		
202.5	5.18	4.77	4.50	4.23	3.96	3.82	3.68	3.55	3.55		
225.0	5.59	5.32	4.91	4.77	4.37	3.96	3.82	3.68	3.68		
247.5	5.18	4.64	4.50	4.09	3.96	3.82	3.68	3.55	3.55		
270.0	5.73	5.46	5.05	4.91	4.50	4.09	3.96	3.82	3.68		
292.5	5.32	5.05	4.64	4.23	3.96	3.96	3.68	3.68	3.55		
315.0	5.87	5.46	5.18	4.91	4.50	4.23	4.09	3.96	3.82		
337.5	5.46	5.05	4.77	4.37	4.23	4.09	3.96	3.82	3.82		
360.0	5.18	4.77	4.50	4.37	4.23	4.09	3.96	3.96	3.68		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	3.55	3.55	3.41	3.27	3.27	2.86	2.86	2.86	2.59		
22.5	3.96	3.68	3.68	3.41	3.41	3.27	3.14	3.00	2.86		
45.0	3.68	3.68	3.41	3.41	3.14	3.14	3.00	3.00	2.73		
67.5	3.96	3.82	3.68	3.55	3.41	3.27	3.14	3.14	2.86		
90.0	3.68	3.55	3.55	3.41	3.27	3.14	3.00	2.86	2.73		
112.5	3.82	3.68	3.55	3.55	3.27	3.27	3.14	3.14	2.73		
135.0	3.55	3.41	3.27	3.27	3.00	3.00	2.86	2.73	2.59		
157.5	3.55	3.41	3.41	3.27	3.14	3.00	3.00	2.86	2.59		
180.0	3.55	3.55	3.27	3.27	3.14	3.00	2.86	2.86	2.73		
202.5	3.27	3.27	3.14	3.00	2.86	2.73	2.73	2.59	2.46		
225.0	3.41	3.41	3.27	3.14	3.14	2.86	2.86	2.73	2.73		
247.5	3.41	3.27	3.14	3.14	3.00	2.86	2.73	2.73	2.46		
270.0	3.68	3.41	3.41	3.27	3.14	3.00	3.00	2.86	2.73		
292.5	3.55	3.41	3.27	3.14	3.14	3.00	2.86	2.86	2.59		
315.0	3.68	3.55	3.55	3.41	3.27	3.27	3.14	3.00	2.86		
337.5	3.68	3.55	3.41	3.27	3.27	3.14	3.00	2.86	2.73		
360.0	3.55	3.55	3.41	3.27	3.27	2.86	2.86	2.86	2.59		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	2.46	2.18	2.18	1.91	1.77	1.64	1.50	1.36	1.09		
22.5	2.73	2.59	2.46	2.32	2.05	2.05	1.77	1.64	1.50		
45.0	2.59	2.46	2.32	2.18	1.91	1.91	1.64	1.50	1.36		
67.5	2.86	2.73	2.59	2.46	2.32	2.18	2.05	1.91	1.64		
90.0	2.59	2.59	2.32	2.18	2.18	1.91	1.77	1.64	1.36		
112.5	2.73	2.59	2.46	2.32	2.32	2.05	1.91	1.77	1.64		
135.0	2.46	2.32	2.32	2.18	1.91	1.77	1.64	1.50	1.36		
157.5	2.59	2.46	2.32	2.18	2.05	1.77	1.77	1.50	1.50		
180.0	2.46	2.32	2.18	2.18	2.05	1.77	1.77	1.64	1.50		
202.5	2.32	2.18	1.91	1.91	1.77	1.64	1.50	1.36	1.23		
225.0	2.46	2.46	2.32	2.18	2.05	1.77	1.77	1.64	1.50		
247.5	2.32	2.05	2.18	2.05	1.91	1.64	1.64	1.50	1.36		
270.0	2.59	2.46	2.32	2.32	2.18	2.05	1.91	1.77	1.50		
292.5	2.46	2.18	2.32	2.18	2.05	1.77	1.64	1.50	1.36		
315.0	2.73	2.59	2.59	2.46	2.32	2.05	2.05	1.77	1.64		
337.5	2.59	2.32	2.32	2.18	2.05	1.91	1.64	1.50	1.23		
360.0	2.46	2.18	2.18	1.91	1.77	1.64	1.50	1.36	1.09		

## SPKPL-RDLRE4Q-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	0.95	0.82	0.55	0.55	0.41	0.14	0.14	0.00	0.00
22.5	1.36	1.09	0.95	0.82	0.55	0.41	0.27	0.14	0.00
45.0	1.09	0.95	0.82	0.55	0.55	0.27	0.14	0.00	0.00
67.5	1.50	1.36	1.23	1.09	0.82	0.68	0.41	0.41	0.14
90.0	1.23	1.09	0.82	0.68	0.55	0.27	0.27	0.00	0.00
112.5	1.50	1.23	1.23	0.95	0.82	0.68	0.55	0.41	0.14
135.0	1.09	1.09	0.82	0.68	0.55	0.27	0.27	0.00	0.00
157.5	1.23	1.09	0.95	0.82	0.55	0.55	0.41	0.27	0.00
180.0	1.23	1.09	0.95	0.82	0.55	0.55	0.27	0.27	0.14
202.5	0.95	0.95	0.82	0.55	0.55	0.27	0.14	0.00	0.00
225.0	1.36	1.09	1.09	0.82	0.68	0.55	0.41	0.41	0.27
247.5	1.23	1.09	0.95	0.82	0.55	0.41	0.41	0.27	0.00
270.0	1.50	1.36	1.23	0.95	0.95	0.68	0.41	0.55	0.27
292.5	1.23	1.09	0.95	0.95	0.68	0.41	0.27	0.14	0.00
315.0	1.50	1.36	1.23	1.09	0.82	0.68	0.55	0.27	0.14
337.5	1.23	0.95	0.82	0.68	0.41	0.27	0.27	0.14	0.00
360.0	0.95	0.82	0.55	0.55	0.41	0.14	0.14	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	0.14	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	0.14	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

## SPKPL-RDLRE4Q-RGBTW-WH

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	0.14	0.00	0.00	0.00	0.00	0.00	0.14	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	0.14	0.14
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
90.0	0.00	0.14	0.00	0.00	0.00	0.14	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.14
135.0	0.14	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	0.14
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	0.14	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	0.14	0.00	0.00	0.00	0.00	0.00	0.14	0.00
C/ $\gamma$ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.27	0.14
22.5	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
45.0	0.14	0.00	0.14	0.14	0.14	0.14	0.27	0.27	0.27
67.5	0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.27	0.14
90.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.27	0.14
112.5	0.14	0.14	0.14	0.00	0.14	0.14	0.14	0.14	0.27
135.0	0.00	0.14	0.14	0.14	0.14	0.14	0.27	0.27	0.14
157.5	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180.0	0.00	0.14	0.00	0.14	0.14	0.00	0.14	0.00	0.14
202.5	0.00	0.14	0.14	0.00	0.00	0.00	0.14	0.14	0.27
225.0	0.00	0.00	0.14	0.14	0.00	0.14	0.00	0.00	0.14
247.5	0.14	0.14	0.00	0.00	0.14	0.14	0.14	0.14	0.27
270.0	0.00	0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.27
292.5	0.00	0.00	0.14	0.14	0.14	0.00	0.14	0.14	0.14
315.0	0.00	0.14	0.00	0.14	0.14	0.14	0.14	0.14	0.14
337.5	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
360.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.27	0.14

## 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	0.27	0.27	0.27	0.27	0.41	0.41	0.41	0.41	0.41
22.5	0.27	0.14	0.27	0.27	0.27	0.41	0.27	0.41	0.41
45.0	0.27	0.27	0.27	0.27	0.27	0.41	0.41	0.41	0.55
67.5	0.14	0.14	0.27	0.27	0.27	0.27	0.41	0.41	0.41
90.0	0.27	0.41	0.27	0.27	0.41	0.41	0.41	0.41	0.41
112.5	0.14	0.14	0.27	0.27	0.27	0.27	0.27	0.27	0.41
135.0	0.14	0.27	0.27	0.41	0.27	0.27	0.41	0.41	0.41
157.5	0.27	0.14	0.27	0.27	0.27	0.41	0.41	0.41	0.41
180.0	0.14	0.14	0.27	0.27	0.27	0.27	0.27	0.27	0.27
202.5	0.14	0.27	0.14	0.27	0.27	0.27	0.27	0.41	0.41
225.0	0.14	0.14	0.14	0.27	0.27	0.14	0.27	0.27	0.41
247.5	0.14	0.14	0.14	0.27	0.27	0.27	0.27	0.41	0.41
270.0	0.27	0.14	0.14	0.27	0.27	0.41	0.27	0.27	0.27
292.5	0.27	0.14	0.27	0.14	0.41	0.41	0.41	0.27	0.41
315.0	0.14	0.14	0.14	0.27	0.27	0.27	0.27	0.41	0.41
337.5	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.41	0.41
360.0	0.27	0.27	0.27	0.27	0.41	0.41	0.41	0.41	0.41
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.55	0.41	0.55	0.55	0.41	0.68	0.68	0.68	0.68
22.5	0.55	0.41	0.41	0.41	0.55	0.55	0.55	0.55	0.68
45.0	0.41	0.55	0.55	0.55	0.55	0.55	0.68	0.68	0.68
67.5	0.41	0.55	0.41	0.55	0.55	0.55	0.55	0.55	0.55
90.0	0.41	0.41	0.55	0.55	0.55	0.55	0.68	0.68	0.68
112.5	0.41	0.41	0.41	0.55	0.41	0.55	0.55	0.55	0.68
135.0	0.41	0.55	0.55	0.55	0.68	0.55	0.68	0.68	0.68
157.5	0.41	0.55	0.41	0.55	0.55	0.55	0.55	0.68	0.68
180.0	0.27	0.41	0.41	0.27	0.41	0.55	0.55	0.41	0.68
202.5	0.41	0.41	0.41	0.41	0.55	0.55	0.55	0.55	0.55
225.0	0.27	0.41	0.41	0.41	0.41	0.55	0.41	0.41	0.41
247.5	0.41	0.27	0.41	0.41	0.55	0.55	0.55	0.55	0.55
270.0	0.27	0.27	0.41	0.41	0.41	0.41	0.55	0.55	0.55
292.5	0.41	0.41	0.41	0.55	0.41	0.55	0.55	0.68	0.55
315.0	0.41	0.41	0.41	0.41	0.55	0.55	0.55	0.55	0.55
337.5	0.41	0.41	0.41	0.55	0.55	0.55	0.55	0.55	0.55
360.0	0.55	0.41	0.55	0.55	0.41	0.68	0.68	0.68	0.68
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.82	0.82
22.5	0.68	0.68	0.68	0.68	0.68	0.68	0.82	0.82	0.82
45.0	0.68	0.68	0.68	0.82	0.82	0.82	0.82	0.82	0.95
67.5	0.68	0.55	0.82	0.68	0.68	0.68	0.68	0.82	0.82
90.0	0.68	0.68	0.68	0.82	0.68	0.68	0.82	0.82	0.68
112.5	0.55	0.55	0.68	0.82	0.68	0.82	0.82	0.82	0.82
135.0	0.68	0.68	0.68	0.82	0.82	0.68	0.68	0.82	0.82
157.5	0.68	0.68	0.68	0.68	0.82	0.68	0.82	0.82	0.82
180.0	0.68	0.55	0.68	0.68	0.55	0.82	0.68	0.68	0.82
202.5	0.55	0.68	0.68	0.68	0.68	0.68	0.68	0.82	0.82
225.0	0.55	0.55	0.68	0.55	0.55	0.55	0.68	0.68	0.68
247.5	0.55	0.68	0.55	0.68	0.68	0.82	0.82	0.82	0.82
270.0	0.55	0.55	0.68	0.68	0.68	0.68	0.68	0.68	0.82
292.5	0.68	0.55	0.68	0.68	0.68	0.68	0.82	0.68	0.82
315.0	0.55	0.68	0.68	0.68	0.68	0.68	0.82	0.68	0.82
337.5	0.68	0.68	0.68	0.82	0.82	0.82	0.82	0.82	0.82
360.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.82	0.82

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: 23 Total:23

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.82	0.82	0.95	0.95	0.95	0.95	0.95	0.95	0.82
22.5	0.82	0.82	0.82	0.82	0.82	0.95	0.95	0.82	0.82
45.0	0.82	0.82	0.95	0.82	0.82	0.95	0.82	0.82	0.95
67.5	0.82	0.82	0.82	0.82	0.95	0.95	0.95	0.82	0.95
90.0	0.82	0.95	0.82	0.95	0.82	0.95	0.95	0.95	0.95
112.5	0.82	0.95	0.82	0.82	0.82	0.82	0.95	0.95	0.95
135.0	0.82	0.82	0.95	0.82	0.95	0.95	0.95	0.82	0.95
157.5	0.82	0.95	0.82	0.82	0.95	0.95	0.95	0.95	0.95
180.0	0.82	0.68	0.68	0.82	0.82	0.82	0.82	0.82	0.82
202.5	0.82	0.82	0.82	0.95	0.82	0.95	0.82	0.95	0.95
225.0	0.82	0.68	0.82	0.82	0.82	0.95	0.95	0.95	0.95
247.5	0.82	0.68	0.95	0.82	0.82	0.82	0.82	0.82	0.95
270.0	0.82	0.82	0.82	0.95	0.95	0.82	0.95	0.95	0.95
292.5	0.82	0.82	0.95	0.82	0.95	0.82	1.09	0.82	0.95
315.0	0.82	0.82	0.82	0.95	0.82	0.82	0.95	0.95	0.95
337.5	0.82	0.95	0.82	0.82	0.82	0.95	0.95	0.95	0.95
360.0	0.82	0.82	0.95	0.95	0.95	0.95	0.95	0.95	0.82
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.95	0.82	0.82	0.95	0.95	0.82	0.95	0.95	1.09
22.5	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
45.0	0.95	1.09	0.95	0.95	0.95	0.95	0.95	0.95	0.95
67.5	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
90.0	0.95	0.95	0.95	0.95	1.09	0.95	0.95	1.09	0.95
112.5	0.82	0.82	0.95	0.95	0.95	0.82	0.95	0.95	0.95
135.0	0.82	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1.09
157.5	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
180.0	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1.09	0.95
202.5	0.95	0.95	0.95	0.82	0.95	0.95	0.95	0.95	0.95
225.0	0.95	0.95	0.95	0.95	1.09	0.95	0.95	0.95	0.95
247.5	0.95	0.82	0.82	0.95	0.95	0.95	0.95	0.95	0.95
270.0	0.95	0.95	0.95	0.95	0.95	0.95	1.09	1.09	0.95
292.5	0.95	0.95	0.95	0.82	0.95	0.95	0.95	0.95	1.09
315.0	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
337.5	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
360.0	0.95	0.82	0.82	0.95	0.95	0.82	0.95	0.95	1.09
C/γ(°)	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								