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SRPL60X60-36WH

LumCAT: SRPL60X60-36WH	Luminaire:
Report No:	Voltage(V): 220.100
Test No:	Current(A): 0.166
LampCAT:	Power (W): 35.000
Lamp flux(lm)	PF: 0.955
Number of Lamps: 1	Ballast type:
Length(mm): 600	Width(mm): 600
Phm Type: C	Height(mm): 10

Photometric Results

Lumens(lm): 3724.25
Lumens(lm)/Power(W): 106.41
Central intensity(cd): 1302.594
Maximum intensity(cd): 1307.232
Angle of maximum intensity: C=30.0 $\gamma=0.0$
Beam Angle(50%Imax): [H]Left=56.1 Right=55.1
 [V]Left=54.8 Right=57.1
Field angle(10%Imax): [H]Left=80.4 Right=79.9
 [V]Left=78.9 Right=81.6
Beam angle of C30plane: 111.57

Equipment: GMS1800B
Temperature(°C): 25.0

Date: 2017-3-22
Humidity(%): 60.0%

Operator: Mei
Distance(m): 14.20

SRPL60X60-36WH

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1305.350	.000	.000	.000%	.000%
5.0	1299.738	31.143	31.143	.836%	.836%
10.0	1282.918	92.390	123.533	2.481%	3.317%
15.0	1254.537	150.520	274.053	4.042%	7.359%
20.0	1216.124	203.617	477.670	5.467%	12.826%
25.0	1167.210	249.968	727.638	6.712%	19.538%
30.0	1106.079	287.687	1015.324	7.725%	27.262%
35.0	1036.060	315.445	1330.770	8.470%	35.733%
40.0	957.118	332.547	1663.316	8.929%	44.662%
45.0	869.455	338.205	2001.521	9.081%	53.743%
50.0	772.600	331.801	2333.322	8.909%	62.652%
55.0	668.353	313.311	2646.633	8.413%	71.065%
60.0	560.912	284.141	2930.774	7.629%	78.694%
65.0	449.355	245.598	3176.372	6.595%	85.289%
70.0	335.731	198.789	3375.161	5.338%	90.627%
75.0	228.593	147.505	3522.666	3.961%	94.587%
80.0	133.654	96.927	3619.593	2.603%	97.190%
85.0	57.652	51.982	3671.575	1.396%	98.586%
90.0	11.275	18.873	3690.448	.507%	99.092%
95.0	2.907	3.883	3694.331	.104%	99.197%
100.0	2.537	1.479	3695.810	.040%	99.236%
105.0	2.941	1.466	3697.276	.039%	99.276%
110.0	3.478	1.678	3698.954	.045%	99.321%
115.0	4.184	1.940	3700.894	.052%	99.373%
120.0	4.604	2.136	3703.030	.057%	99.430%
125.0	5.226	2.272	3705.302	.061%	99.491%
130.0	5.780	2.393	3707.696	.064%	99.555%
135.0	6.335	2.448	3710.144	.066%	99.621%
140.0	6.839	2.439	3712.583	.065%	99.687%
145.0	7.259	2.352	3714.935	.063%	99.750%
150.0	7.864	2.227	3717.162	.060%	99.810%
155.0	8.234	2.037	3719.199	.055%	99.864%
160.0	8.452	1.750	3720.949	.047%	99.911%
165.0	8.587	1.404	3722.353	.038%	99.949%
170.0	8.906	1.038	3723.391	.028%	99.977%
175.0	9.141	.646	3724.036	.017%	99.994%
180.0	8.872	.215	3724.252	.006%	100.000%

Equipment: GMS1800B
Temperature($^{\circ}$ C): 25.0

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Operator: Mei
Distance(m): 14.20

Zonal flux distribution table

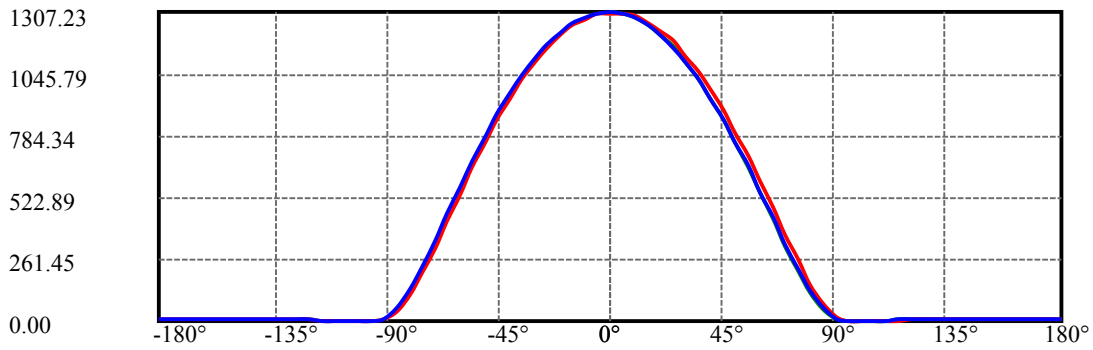
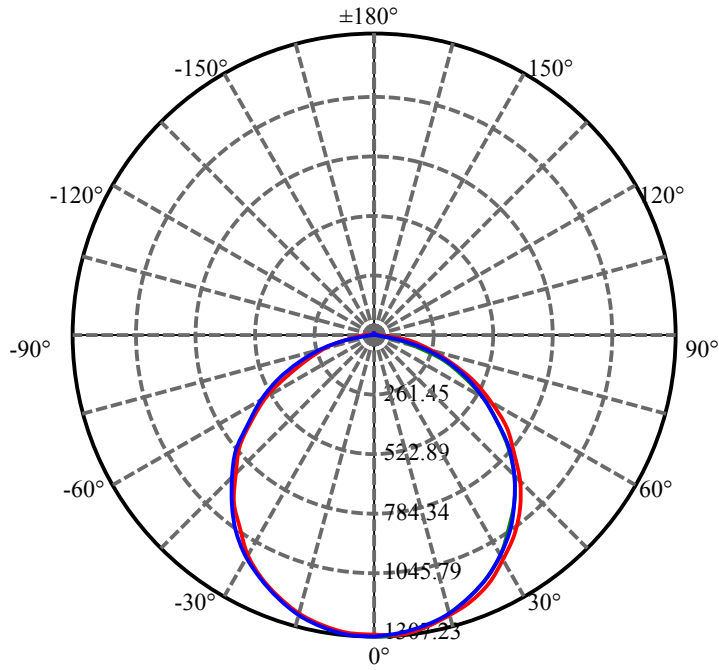
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1015.32	27.26%
0-40	1663.32	44.66%
0-60	2930.77	78.69%
0-90	3690.45	99.09%
90-120	12.58	0.34%
90-130	17.25	0.46%
90-150	26.71	0.72%
90-180	33.59	0.90%
0-180	3724.25	100.00%

ZONAL LUMEN SUMMARY

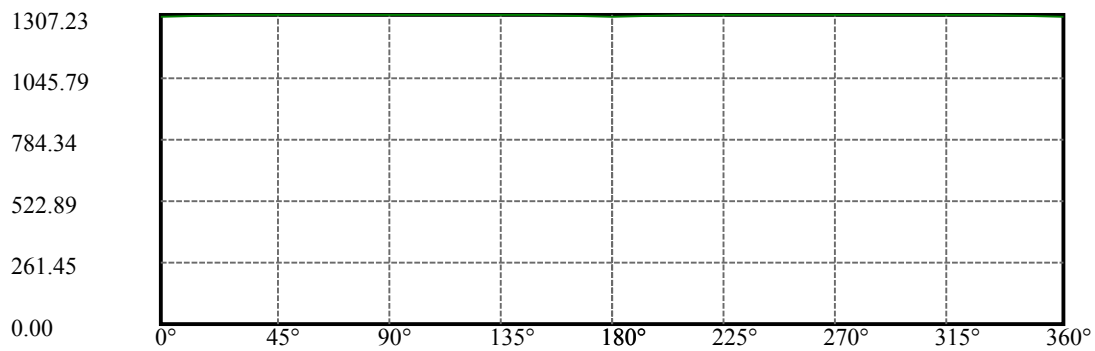
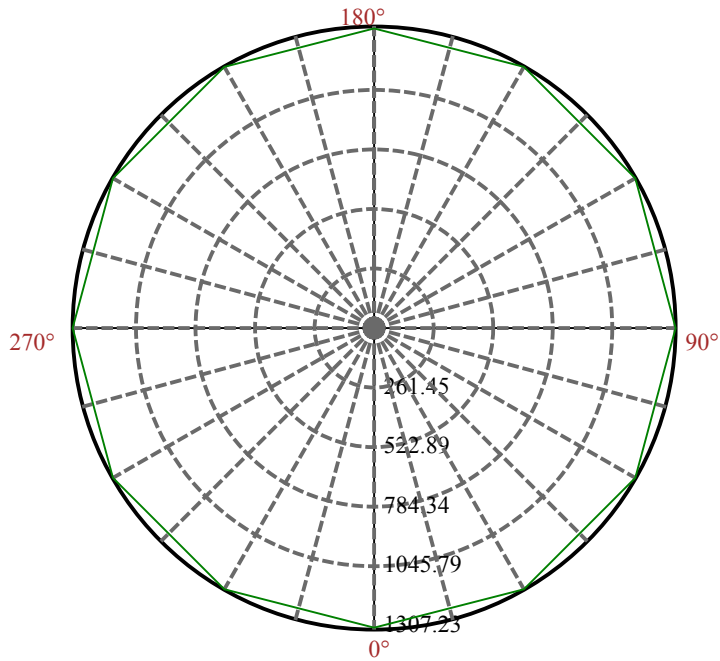
0-10	123.53
10-20	354.14
20-30	537.65
30-40	647.99
40-50	670.01
50-60	597.45
60-70	444.39
70-80	244.43
80-90	70.86
90-100	5.36
100-110	3.14
110-120	4.08
120-130	4.67
130-140	4.89
140-150	4.58
150-160	3.79
160-170	2.44
170-180	0.65

Light Distribution Curve [Unit: cd]



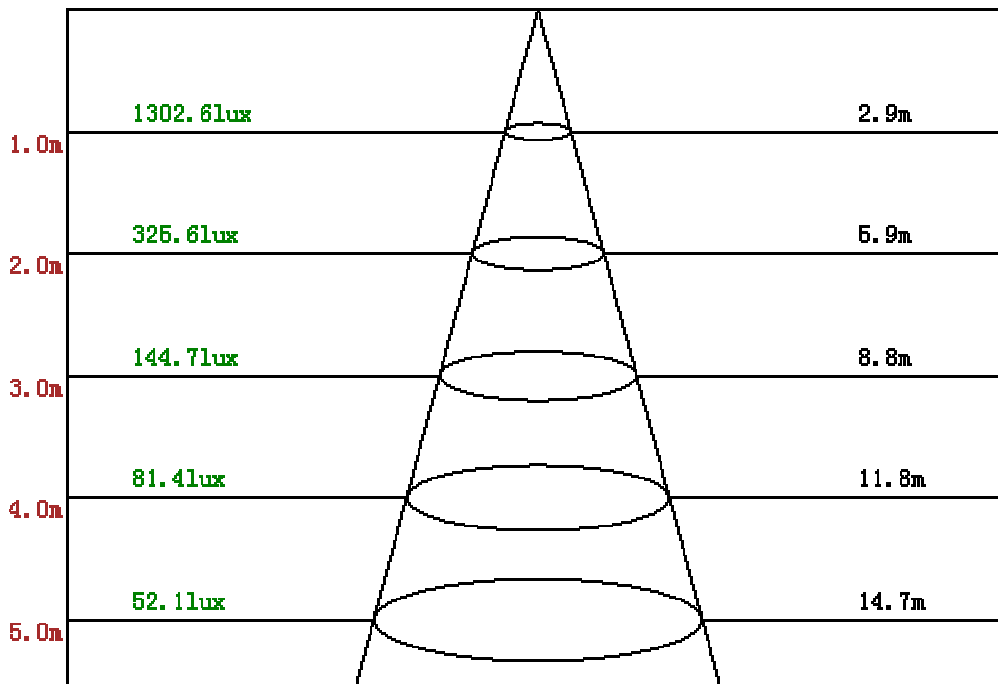
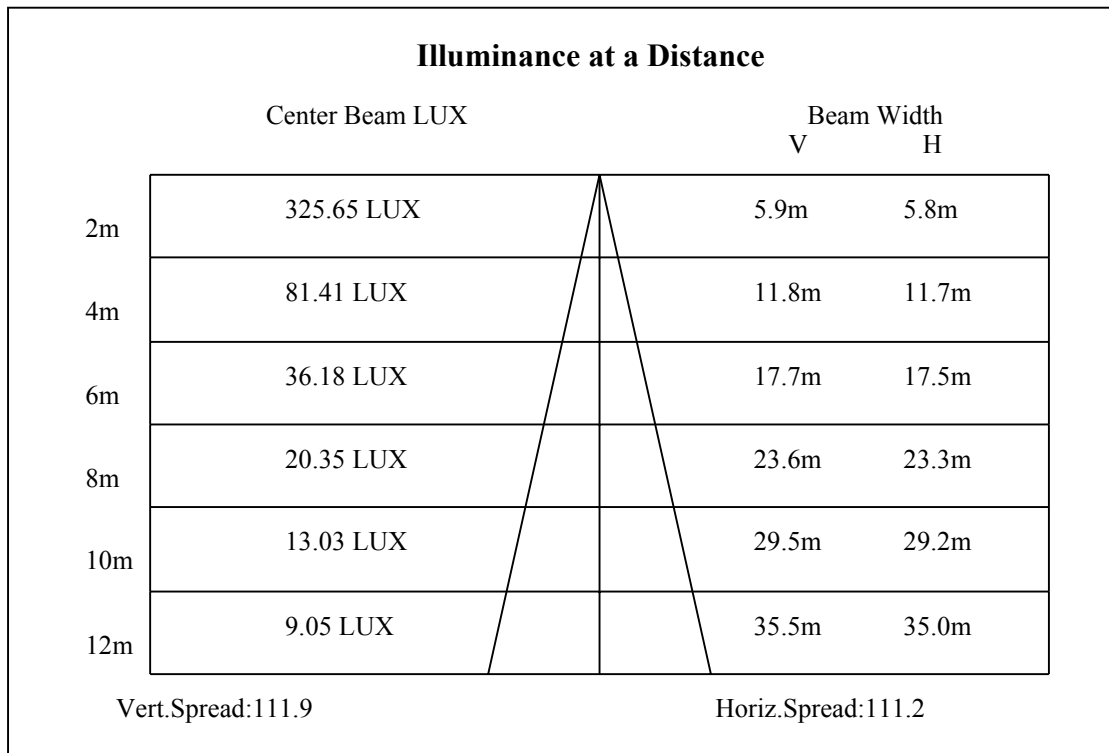
C30(Max): —
 C0/C180: —
 C90/C270: —

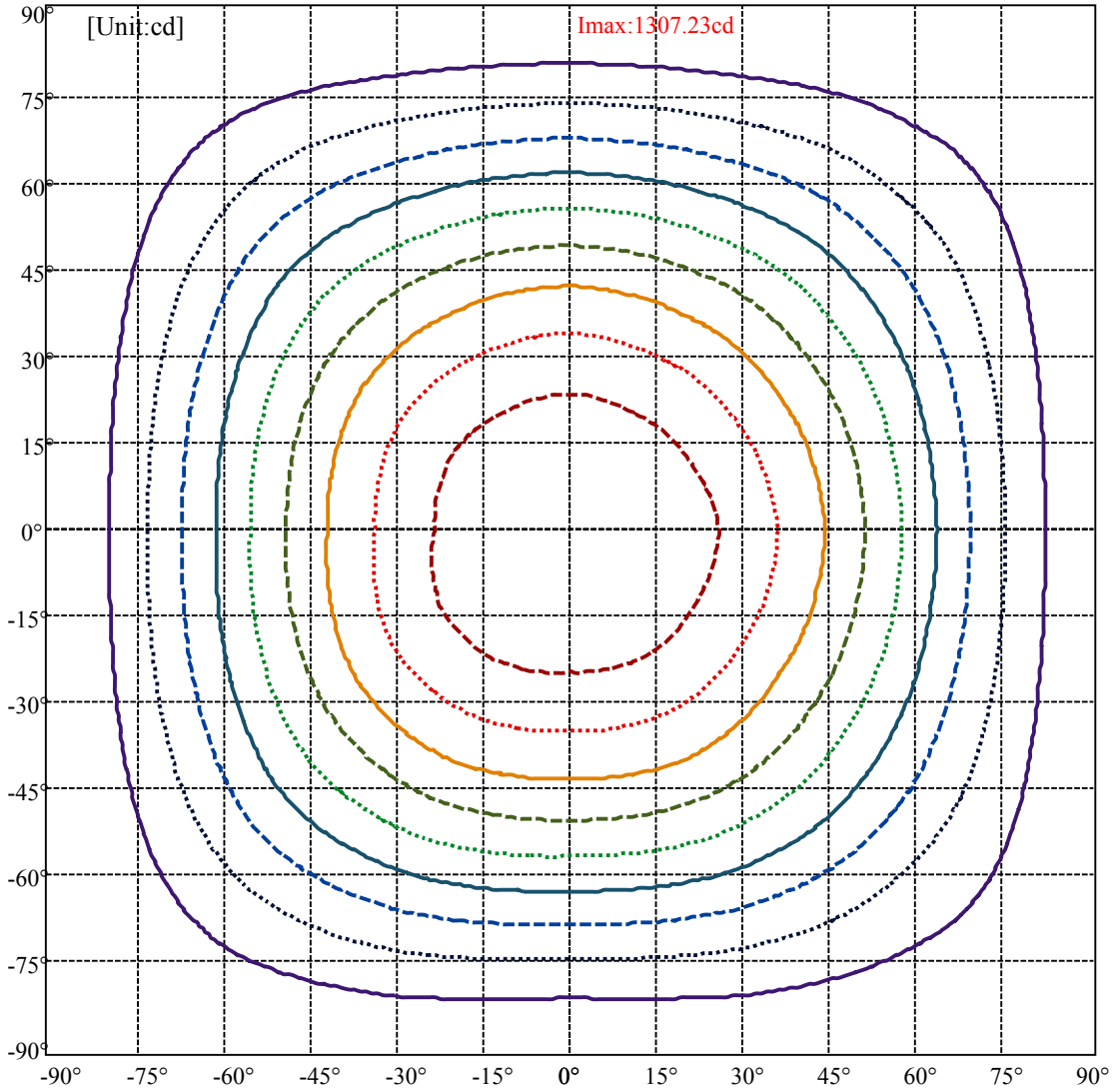
Light Distribution Curve [Unit: cd]



MaxG=0

Lux distance Curve





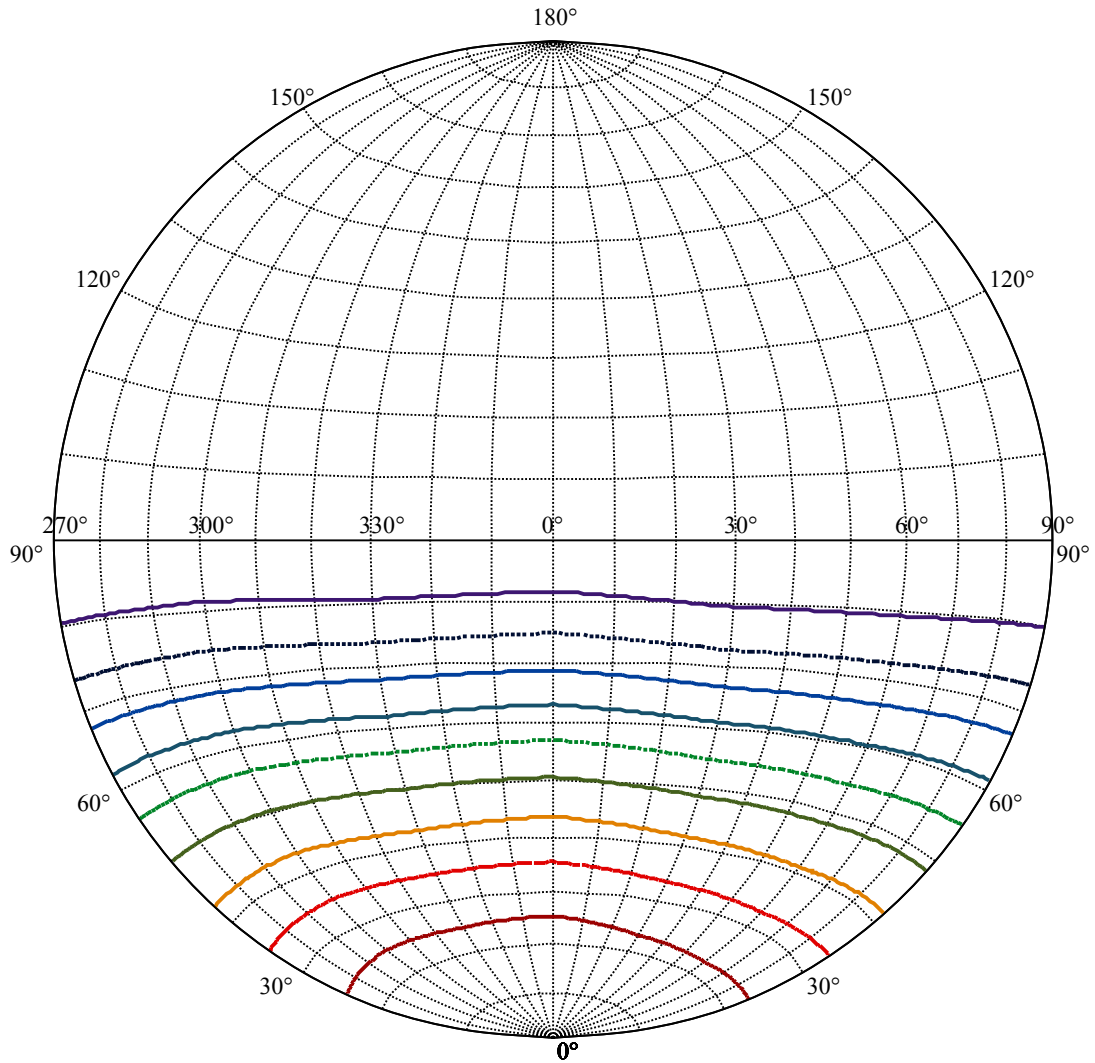
(10%Imax)	130.56	—
(20%Imax)	261.12	⋯
(30%Imax)	391.68	- - -
(40%Imax)	522.24	—
(50%Imax)	652.799	⋯
(60%Imax)	783.359	- - -
(70%Imax)	913.919	—
(80%Imax)	1044.48	⋯
(90%Imax)	1175.04	- - -

Equipment: GMS1800B
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Operator: Mei
Distance(m): 14.20

ISO candela diagram on circular web



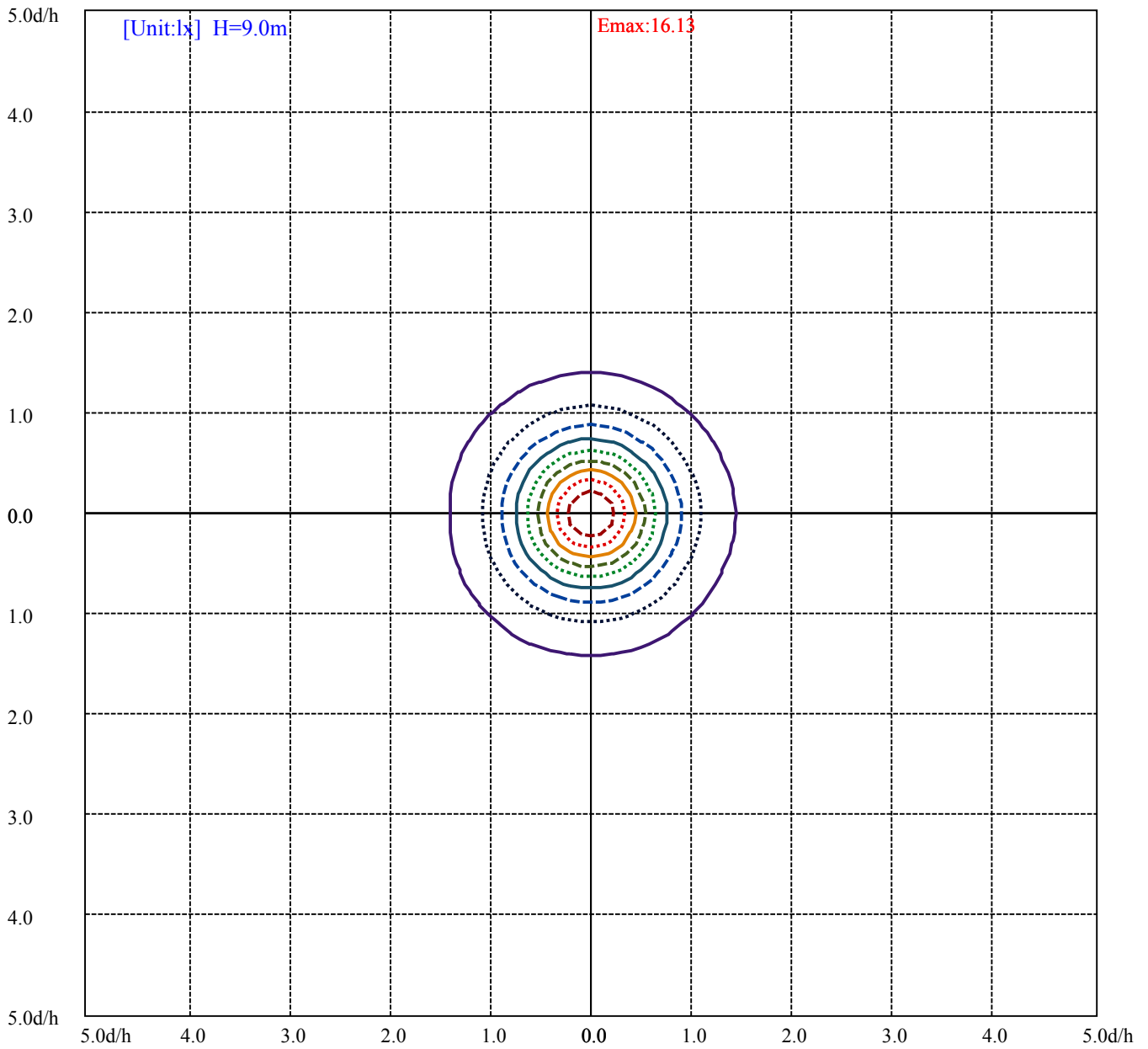
House

Road

Imax:1307.23cd

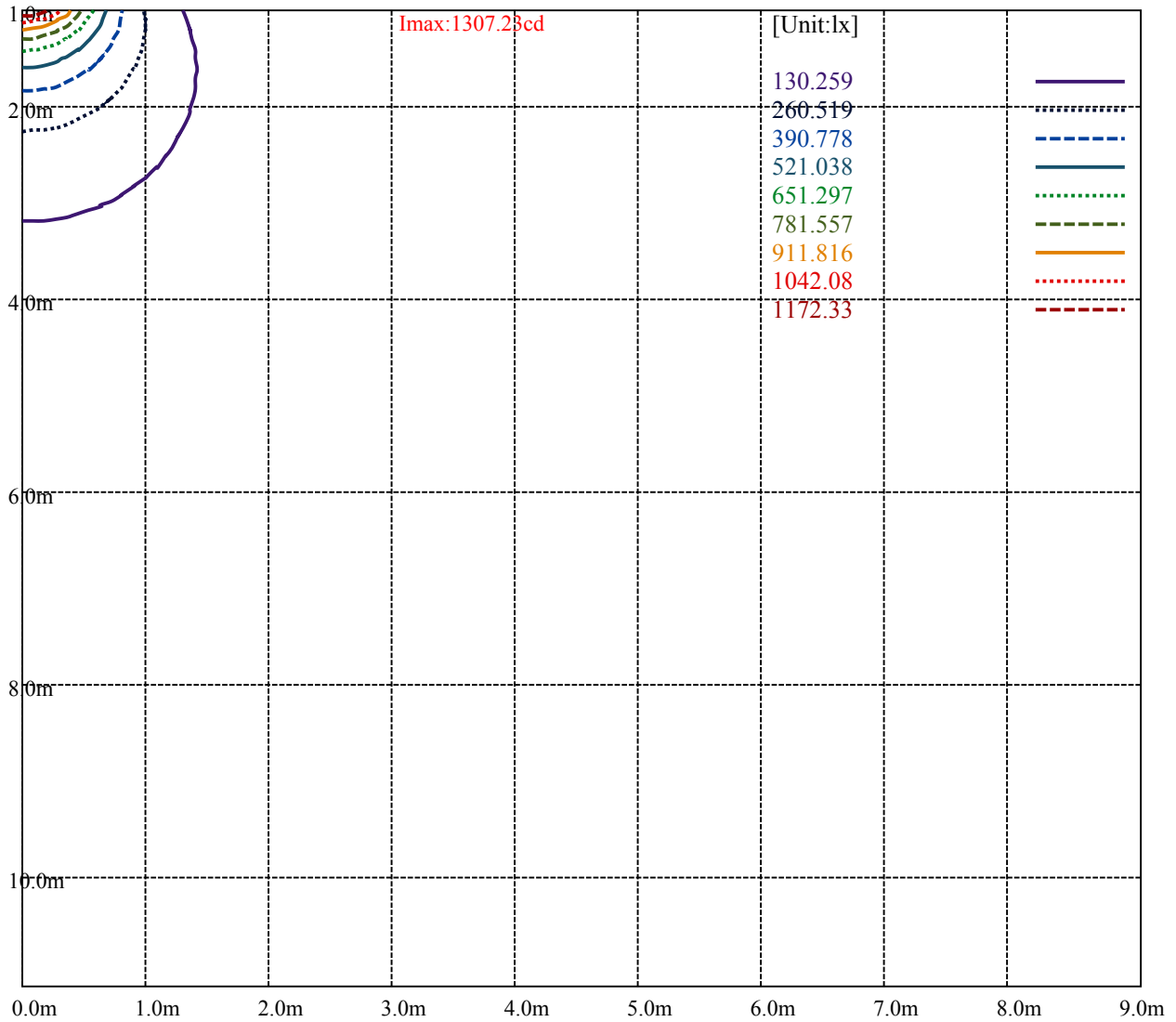
(10%Imax) 130.723	—
(20%Imax) 261.446	·····
(30%Imax) 392.17	- - - - -
(40%Imax) 522.893	—
(50%Imax) 653.616	·····
(60%Imax) 784.339	- - - - -
(70%Imax) 915.062	—
(80%Imax) 1045.79	·····
(90%Imax) 1176.51	- - - - -

ISO illuminance diagram



- (10%Emax) 1.612877
- (20%Emax) 3.225741
- (30%Emax) 4.838617
- (40%Emax) 6.451481
- (50%Emax) 8.064358
- (60%Emax) 9.677222
- (70%Emax) 11.2901
- (80%Emax) 12.90296
- (90%Emax) 14.5158

Space ISO Lux diagram



SRPL60X60-36WH

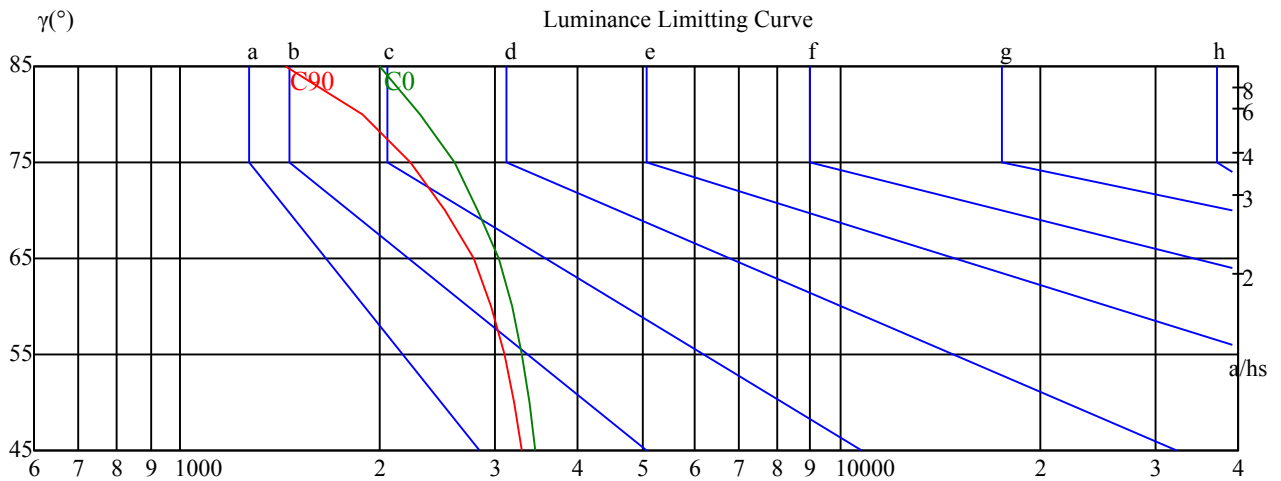
Luminance Limiting Curve(no luminous side)

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	3457	3380	3299	3184	3036	2812	2608	2305	2008
C45	0	0	0	0	0	0	0	0	0
C90	3299	3201	3097	2955	2779	2523	2231	1889	1447

Glare Table

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



SRPL60X60-36WH

UGR Glare

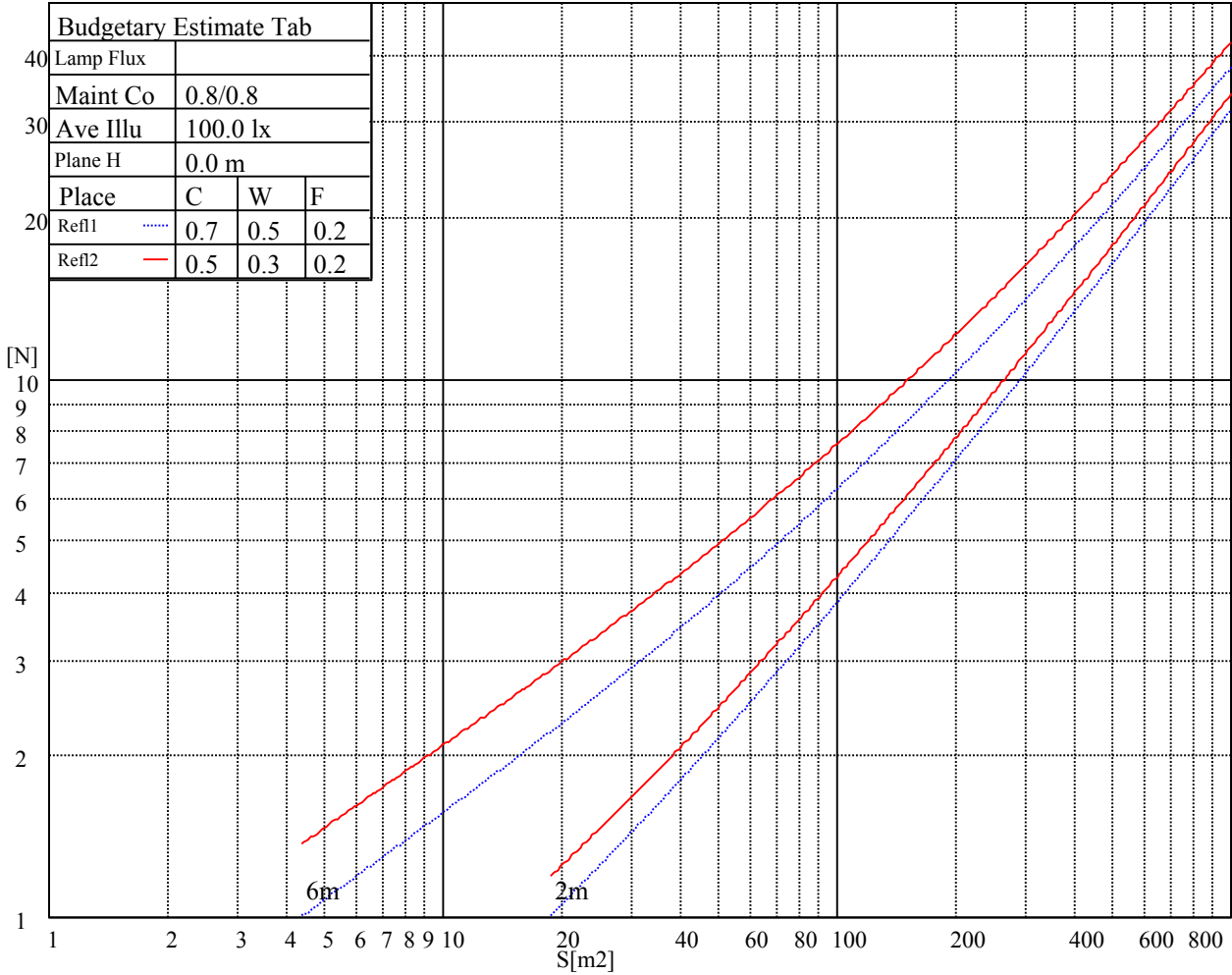
Illuminatin assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.0	13.4	12.3	13.6	13.9	11.7	13.1	12.1	13.4	13.6
	3H	13.6	14.8	13.9	15.1	15.4	13.2	14.4	13.6	14.7	15.0
	4H	14.0	15.1	14.4	15.4	15.8	13.6	14.7	14.0	15.0	15.4
	6H	14.6	15.6	15.0	16.0	16.3	14.1	15.1	14.5	15.5	15.8
	8H	14.8	15.8	15.2	16.2	16.5	14.2	15.3	14.6	15.6	16.0
	12H	14.7	15.5	15.2	15.9	16.4	14.1	14.9	14.6	15.3	15.8
4H	2H	12.4	13.4	12.8	13.8	14.1	12.2	13.2	12.6	13.6	13.9
	3H	14.1	14.9	14.6	15.3	15.7	13.8	14.6	14.3	15.0	15.5
	4H	14.9	15.7	15.3	16.1	16.5	14.6	15.3	15.0	15.7	16.2
	6H	15.5	16.3	16.0	16.7	17.2	15.1	15.9	15.5	16.3	16.7
	8H	15.6	16.1	16.1	16.6	17.1	15.1	15.6	15.7	16.1	16.6
	12H	15.8	16.3	16.3	16.8	17.3	15.3	15.7	15.8	16.2	16.7
8H	4H	15.0	15.5	15.6	16.0	16.5	14.7	15.2	15.3	15.7	16.2
	6H	15.8	16.2	16.3	16.7	17.2	15.4	15.8	15.9	16.3	16.9
	8H	16.1	16.5	16.6	17.0	17.6	15.6	16.1	16.2	16.6	17.1
	12H	16.4	16.8	16.9	17.3	17.8	15.8	16.3	16.3	16.8	17.3
12H	4H	15.1	15.5	15.6	16.0	16.5	14.8	15.2	15.3	15.7	16.2
	6H	15.8	16.3	16.4	16.8	17.3	15.5	15.9	16.0	16.4	16.9
	8H	16.2	16.6	16.7	17.1	17.6	15.7	16.2	16.3	16.7	17.2
Variation with the observer position at spacings:											
S = 1.0H	0.3/-0.6					0.3/-0.5					
S = 1.5H	0.6/-0.6					0.6/-0.7					
S = 2.0H	0.9/-0.7					0.8/-0.8					
Standard tables:	BK3					BK3					
Uncorrected UGR	-2.5					-2.9					
According 1000lm											

Equipment: GMS1800B
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Budgetary Estimate Table



SRPL60X60-36WH

Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.04	1.00	0.96	1.01	0.98	0.94	0.97	0.94	0.91	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.90	0.84	0.78	0.89	0.82	0.77	0.85	0.80	0.75	0.81	0.77	0.73	0.78	0.75	0.71	0.69
3	0.79	0.71	0.65	0.78	0.70	0.64	0.75	0.68	0.63	0.72	0.66	0.62	0.69	0.64	0.61	0.58
4	0.70	0.62	0.55	0.69	0.61	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.62	0.56	0.52	0.50
5	0.63	0.54	0.47	0.62	0.53	0.47	0.59	0.52	0.46	0.57	0.51	0.46	0.55	0.50	0.45	0.43
6	0.57	0.48	0.41	0.56	0.47	0.41	0.54	0.46	0.41	0.52	0.45	0.40	0.50	0.44	0.40	0.38
7	0.51	0.43	0.36	0.50	0.42	0.36	0.49	0.41	0.36	0.47	0.41	0.36	0.46	0.40	0.35	0.33
8	0.47	0.38	0.32	0.46	0.38	0.32	0.45	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32	0.30
9	0.43	0.35	0.29	0.42	0.34	0.29	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.28	0.27
10	0.40	0.32	0.26	0.39	0.31	0.26	0.38	0.31	0.26	0.37	0.31	0.26	0.36	0.30	0.26	0.24
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 WLC															
1	0.31	0.17	0.06	0.30	0.17	0.05	0.29	0.16	0.05	0.27	0.16	0.05	0.26	0.15	0.05	
2	0.29	0.16	0.05	0.28	0.16	0.05	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.04	
3	0.27	0.14	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	
4	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.22	0.12	0.04	
5	0.23	0.12	0.03	0.22	0.12	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.20	0.11	0.03	
6	0.21	0.11	0.03	0.21	0.11	0.03	0.20	0.10	0.03	0.19	0.10	0.03	0.19	0.10	0.03	
7	0.20	0.10	0.03	0.19	0.10	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	
8	0.18	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02	
9	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	
10	0.16	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02	
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CCLU															
0	0.20	0.20	0.20	0.17	0.17	0.17	0.12	0.12	0.12	0.07	0.07	0.07	0.02	0.02	0.02	
1	0.16	0.15	0.14	0.14	0.13	0.12	0.10	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02	
2	0.13	0.11	0.10	0.12	0.10	0.08	0.09	0.07	0.06	0.06	0.05	0.04	0.02	0.02	0.01	
3	0.10	0.09	0.07	0.10	0.08	0.06	0.08	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.01	
4	0.09	0.07	0.05	0.09	0.07	0.05	0.07	0.05	0.04	0.05	0.04	0.02	0.02	0.01	0.01	
5	0.08	0.06	0.04	0.08	0.06	0.04	0.07	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01	
6	0.07	0.05	0.03	0.07	0.05	0.03	0.06	0.04	0.03	0.05	0.03	0.02	0.02	0.01	0.01	
7	0.06	0.04	0.03	0.06	0.04	0.03	0.06	0.04	0.02	0.04	0.03	0.01	0.02	0.01	0.01	
8	0.06	0.04	0.02	0.06	0.04	0.02	0.06	0.03	0.02	0.04	0.03	0.01	0.02	0.01	0.00	
9	0.05	0.03	0.02	0.06	0.03	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.02	0.01	0.00	
10	0.05	0.03	0.02	0.05	0.03	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.02	0.01	0.00	

Equipment: GMS1800B
 Temperature(°C): 25.0

Date: 2017-3-22
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Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	1302.59	1301.79	1287.88	1261.66	1229.00	1182.22	1123.14	1055.59	980.78
30.0	1307.23	1299.97	1281.02	1250.37	1209.03	1158.83	1096.72	1023.32	944.28
60.0	1305.62	1295.74	1277.19	1244.72	1201.98	1150.76	1086.44	1012.03	930.77
90.0	1304.61	1298.56	1279.41	1247.95	1208.83	1156.00	1093.49	1025.94	944.28
120.0	1306.02	1295.94	1277.19	1245.53	1205.00	1152.37	1092.49	1018.89	938.84
150.0	1306.02	1298.16	1280.41	1250.37	1212.66	1162.25	1100.15	1031.39	951.34
180.0	1302.59	1296.95	1277.39	1246.94	1208.43	1156.00	1094.30	1020.90	941.66
210.0	1307.23	1304.81	1290.09	1264.48	1229.40	1183.02	1123.34	1057.60	977.75
240.0	1305.62	1302.19	1287.88	1264.48	1227.38	1182.42	1119.91	1054.17	976.74
270.0	1304.61	1301.59	1284.85	1257.63	1217.91	1170.32	1110.43	1039.45	962.23
300.0	1306.02	1301.18	1285.66	1261.46	1223.55	1177.78	1117.49	1048.73	973.32
330.0	1306.02	1299.97	1286.06	1258.84	1220.33	1174.55	1115.07	1044.70	963.44
360.0	1302.59	1301.79	1287.88	1261.66	1229.00	1182.22	1123.14	1055.59	980.78
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	894.68	797.69	697.47	589.60	478.49	362.15	258.10	157.68	75.01
30.0	854.55	758.57	650.49	546.04	430.10	316.57	209.71	120.38	49.00
60.0	842.86	746.87	640.01	532.93	422.64	314.16	208.29	116.75	43.35
90.0	853.74	755.55	654.73	547.25	437.96	324.84	220.80	129.25	54.04
120.0	851.93	755.95	646.66	538.58	429.09	319.40	211.52	120.58	47.59
150.0	864.63	765.83	661.98	554.11	441.79	322.83	217.17	124.41	52.22
180.0	852.13	755.95	647.26	535.96	424.25	312.14	203.86	110.70	39.52
210.0	891.25	786.19	690.62	581.53	468.61	356.10	243.58	142.76	62.71
240.0	892.46	795.27	693.84	588.18	476.68	360.73	256.49	154.25	70.98
270.0	874.92	780.95	675.70	568.02	456.92	341.58	231.28	136.11	60.29
300.0	886.81	790.63	686.18	581.13	469.82	354.08	247.82	150.83	73.40
330.0	873.50	781.76	675.29	567.62	455.91	344.20	234.51	140.14	63.72
360.0	894.68	797.69	697.47	589.60	478.49	362.15	258.10	157.68	75.01
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	15.93	3.63	2.42	2.62	3.63	4.03	4.64	5.24	5.85
30.0	9.28	2.62	2.62	3.02	3.63	4.44	4.64	5.44	5.85
60.0	7.66	2.82	2.62	3.43	3.63	4.23	5.04	5.24	6.05
90.0	10.08	2.82	2.22	3.02	3.83	4.64	4.64	5.24	6.25
120.0	8.47	2.42	2.42	3.02	3.43	4.23	5.04	5.65	6.05
150.0	7.86	3.83	2.82	3.02	3.43	4.23	4.44	5.44	5.85
180.0	5.04	3.43	2.82	3.02	3.43	4.03	4.44	5.04	5.44
210.0	13.31	3.23	2.62	2.82	3.43	4.44	4.64	5.04	5.85
240.0	16.13	2.02	2.22	2.62	3.43	4.03	4.44	5.04	5.65
270.0	12.10	2.42	2.42	3.23	3.23	3.83	4.44	5.04	5.24
300.0	16.33	2.82	2.82	2.82	3.43	3.83	4.44	5.24	5.65
330.0	13.11	2.82	2.42	2.62	3.23	4.23	4.44	5.04	5.65
360.0	15.93	3.63	2.42	2.62	3.63	4.03	4.64	5.24	5.85
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	6.45	6.65	7.46	7.66	8.07	8.67	8.87	8.67	9.28
30.0	6.25	7.26	7.46	8.47	8.27	8.27	8.47	8.87	9.48
60.0	6.45	7.06	7.26	8.27	8.07	8.67	8.67	9.28	9.07
90.0	6.45	7.06	7.06	8.27	8.67	8.47	8.67	8.87	9.48
120.0	6.65	7.06	7.26	8.27	8.27	8.67	8.67	9.07	8.87
150.0	6.45	7.06	7.26	7.86	8.27	8.47	8.67	9.07	8.87
180.0	6.25	6.86	7.46	7.66	8.07	7.86	8.47	8.67	9.48
210.0	6.45	6.86	7.26	7.86	8.27	8.67	8.47	9.07	9.28
240.0	5.85	6.45	7.26	7.66	8.27	8.47	8.47	9.28	9.07
270.0	6.25	6.65	7.66	7.46	8.07	8.67	8.47	8.87	9.07
300.0	6.45	6.05	6.65	7.26	8.07	8.27	8.27	8.67	8.87
330.0	6.05	7.06	7.06	7.66	8.47	8.27	8.87	8.47	8.87
360.0	6.45	6.65	7.46	7.66	8.07	8.67	8.87	8.67	9.28

Equipment: GMS1800B
Temperature(°C): 25.0

Date: 2017-3-22
Humidity(%): 60.0%

Operator: Mei
Distance(m): 14.20

SRPL60X60-36WH

Intensity data(cd)

C/γ(°)	180.0
0.0	8.47
30.0	9.28
60.0	9.07
90.0	8.87
120.0	8.87
150.0	8.67
180.0	8.47
210.0	9.28
240.0	9.07
270.0	8.87
300.0	8.87
330.0	8.67
360.0	8.47