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Nata

Client:

LumCAT: 2-2751-L

Luminaire: 92.70.412.00

Report No: 2024809-B012

Ballast type: AC

Test No: 2024809-C012

Voltage(V): 36.610

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.695

Lamp flux(lm): 3120.0

Power (W): 25.440

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2946.94, Efficiency(%): 94.45% , Luminous Efficacy(lm/W): 115.84

Central intensity(cd): 13652.450, Maximum intensity(cd): 13652.450

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.0

[C90/270]Total=19.0

Field angle(10%Imax): [C0/180]Total=51.0

[C90/270]Total=51.0

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.45%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.128%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13652.452	0.000	0	0.00%	0.00%
1.0	13570.271	13.026	13.026	0.42%	0.44%
2.0	13334.870	38.617	51.642	1.24%	1.75%
3.0	12933.016	62.824	114.467	2.01%	3.88%
4.0	11836.799	82.912	197.379	2.66%	6.70%
5.0	11485.373	100.331	297.71	3.22%	10.10%
6.0	10631.101	116.228	413.938	3.73%	14.05%
7.0	9564.273	125.352	539.29	4.02%	18.30%
8.0	8408.167	128.625	667.915	4.12%	22.66%
9.0	7303.934	127.338	795.253	4.08%	26.99%
10.0	6318.794	123.281	918.534	3.95%	31.17%
11.0	5534.102	118.435	1036.969	3.80%	35.19%
12.0	4860.500	113.628	1150.597	3.64%	39.04%
13.0	4362.247	109.451	1260.048	3.51%	42.76%
14.0	3887.555	105.597	1365.644	3.38%	46.34%
15.0	3504.848	101.486	1467.13	3.25%	49.78%
16.0	3166.030	97.747	1564.877	3.13%	53.10%
17.0	2866.686	93.946	1658.823	3.01%	56.29%
18.0	2668.894	91.270	1750.093	2.93%	59.39%
19.0	2519.229	90.263	1840.356	2.89%	62.45%
20.0	2225.385	86.840	1927.195	2.78%	65.40%
21.0	1983.091	80.811	2008.006	2.59%	68.14%
22.0	1833.912	76.704	2084.711	2.46%	70.74%
23.0	1673.393	73.593	2158.303	2.36%	73.24%
24.0	1544.063	70.345	2228.649	2.25%	75.63%
25.0	1428.990	67.601	2296.249	2.17%	77.92%
26.0	1294.647	64.292	2360.541	2.06%	80.10%
27.0	1181.165	60.571	2421.112	1.94%	82.16%
28.0	1133.004	58.590	2479.702	1.88%	84.15%
29.0	1022.387	56.391	2536.093	1.81%	86.06%
30.0	913.819	52.277	2588.37	1.68%	87.83%
31.0	804.673	47.823	2636.194	1.53%	89.46%
32.0	696.552	43.008	2679.202	1.38%	90.91%
33.0	586.440	37.797	2716.999	1.21%	92.20%
34.0	484.482	32.409	2749.408	1.04%	93.30%
35.0	394.482	27.297	2776.706	0.87%	94.22%
36.0	308.266	22.376	2799.081	0.72%	94.98%
37.0	249.540	18.193	2817.274	0.58%	95.60%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	213.686	15.462	2832.736	0.50%	96.12%
39.0	135.302	11.912	2844.648	0.38%	96.53%
40.0	91.216	7.900	2852.548	0.25%	96.80%
41.0	73.995	5.883	2858.431	0.19%	97.00%
42.0	67.037	5.124	2863.555	0.16%	97.17%
43.0	60.815	4.736	2868.291	0.15%	97.33%
44.0	55.151	4.377	2872.668	0.14%	97.48%
45.0	50.815	4.072	2876.74	0.13%	97.62%
46.0	46.689	3.813	2880.553	0.12%	97.75%
47.0	43.568	3.590	2884.143	0.12%	97.87%
48.0	40.513	3.399	2887.542	0.11%	97.98%
49.0	37.812	3.216	2890.759	0.10%	98.09%
50.0	35.703	3.065	2893.824	0.10%	98.20%
51.0	33.725	2.937	2896.761	0.09%	98.30%
52.0	32.411	2.838	2899.599	0.09%	98.39%
53.0	31.248	2.769	2902.368	0.09%	98.49%
54.0	30.473	2.720	2905.089	0.09%	98.58%
55.0	29.934	2.696	2907.785	0.09%	98.67%
56.0	29.665	2.693	2910.478	0.09%	98.76%
57.0	29.481	2.704	2913.183	0.09%	98.85%
58.0	29.166	2.712	2915.895	0.09%	98.95%
59.0	28.495	2.696	2918.59	0.09%	99.04%
60.0	27.674	2.654	2921.244	0.09%	99.13%
61.0	26.268	2.574	2923.818	0.08%	99.22%
62.0	24.442	2.443	2926.262	0.08%	99.30%
63.0	22.319	2.274	2928.536	0.07%	99.38%
64.0	19.770	2.065	2930.601	0.07%	99.45%
65.0	16.853	1.812	2932.414	0.06%	99.51%
66.0	14.225	1.551	2933.964	0.05%	99.56%
67.0	11.820	1.310	2935.274	0.04%	99.60%
68.0	10.177	1.114	2936.388	0.04%	99.64%
69.0	9.074	0.982	2937.37	0.03%	99.68%
70.0	8.239	0.889	2938.259	0.03%	99.71%
71.0	7.654	0.821	2939.081	0.03%	99.73%
72.0	7.142	0.769	2939.85	0.02%	99.76%
73.0	6.675	0.723	2940.573	0.02%	99.78%
74.0	6.196	0.677	2941.249	0.02%	99.81%
75.0	5.769	0.632	2941.882	0.02%	99.83%

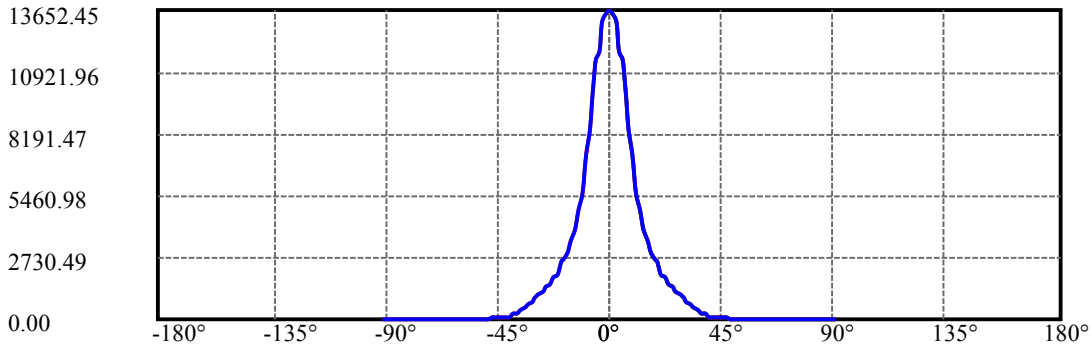
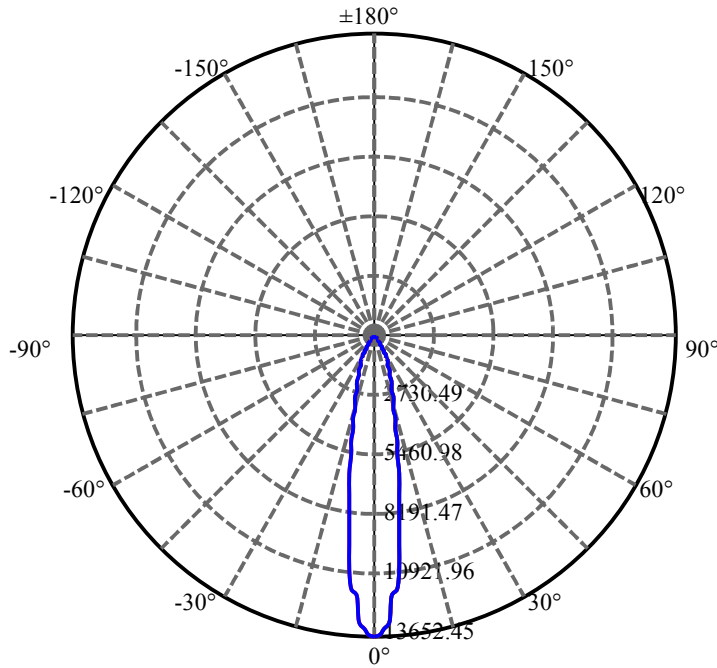
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.348	0.590	2942.472	0.02%	99.85%
77.0	4.980	0.551	2943.022	0.02%	99.87%
78.0	4.652	0.516	2943.538	0.02%	99.88%
79.0	4.297	0.481	2944.019	0.02%	99.90%
80.0	3.883	0.441	2944.46	0.01%	99.92%
81.0	3.535	0.401	2944.861	0.01%	99.93%
82.0	3.160	0.363	2945.224	0.01%	99.94%
83.0	2.812	0.325	2945.549	0.01%	99.95%
84.0	2.477	0.288	2945.837	0.01%	99.96%
85.0	2.181	0.254	2946.091	0.01%	99.97%
86.0	1.899	0.223	2946.314	0.01%	99.98%
87.0	1.643	0.194	2946.508	0.01%	99.99%
88.0	1.393	0.166	2946.674	0.01%	99.99%
89.0	1.189	0.142	2946.816	0.00%	100.00%
90.0	1.032	0.122	2946.937	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2588.37	82.96%	87.83%
0-40	2852.55	91.43%	96.80%
0-60	2921.24	93.63%	99.13%
0-90	2946.82	94.45%	100.00%
0-120	2946.82	94.45%	100.00%
0-180	2946.94	94.45%	100.00%
60-90	25.57	0.82%	0.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.95	2357.55	75.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	918.53
10-20	1008.66
20-30	661.18
30-40	264.18
40-50	41.28
50-60	27.42
60-70	17.02
70-80	6.20
80-90	2.36
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



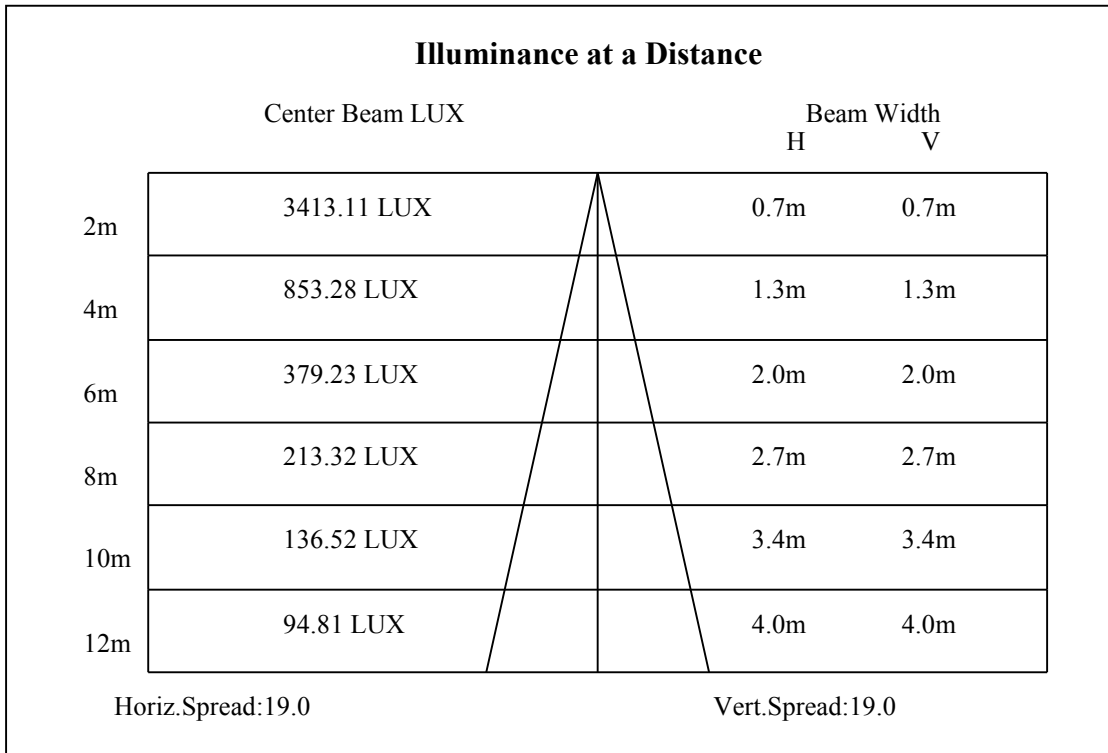
C0(Max): —————

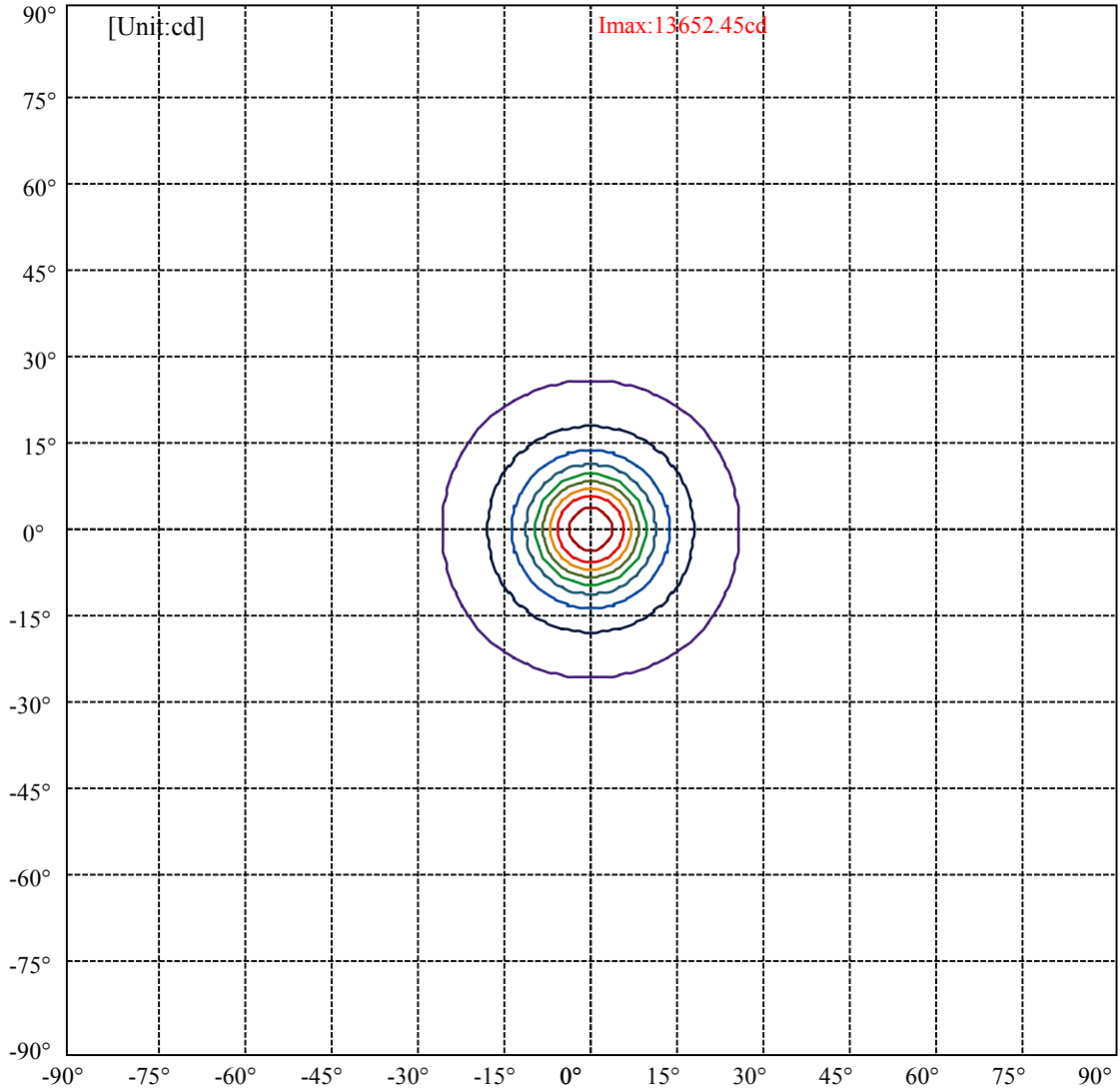
C0/C180: —————

C90/C270: —————

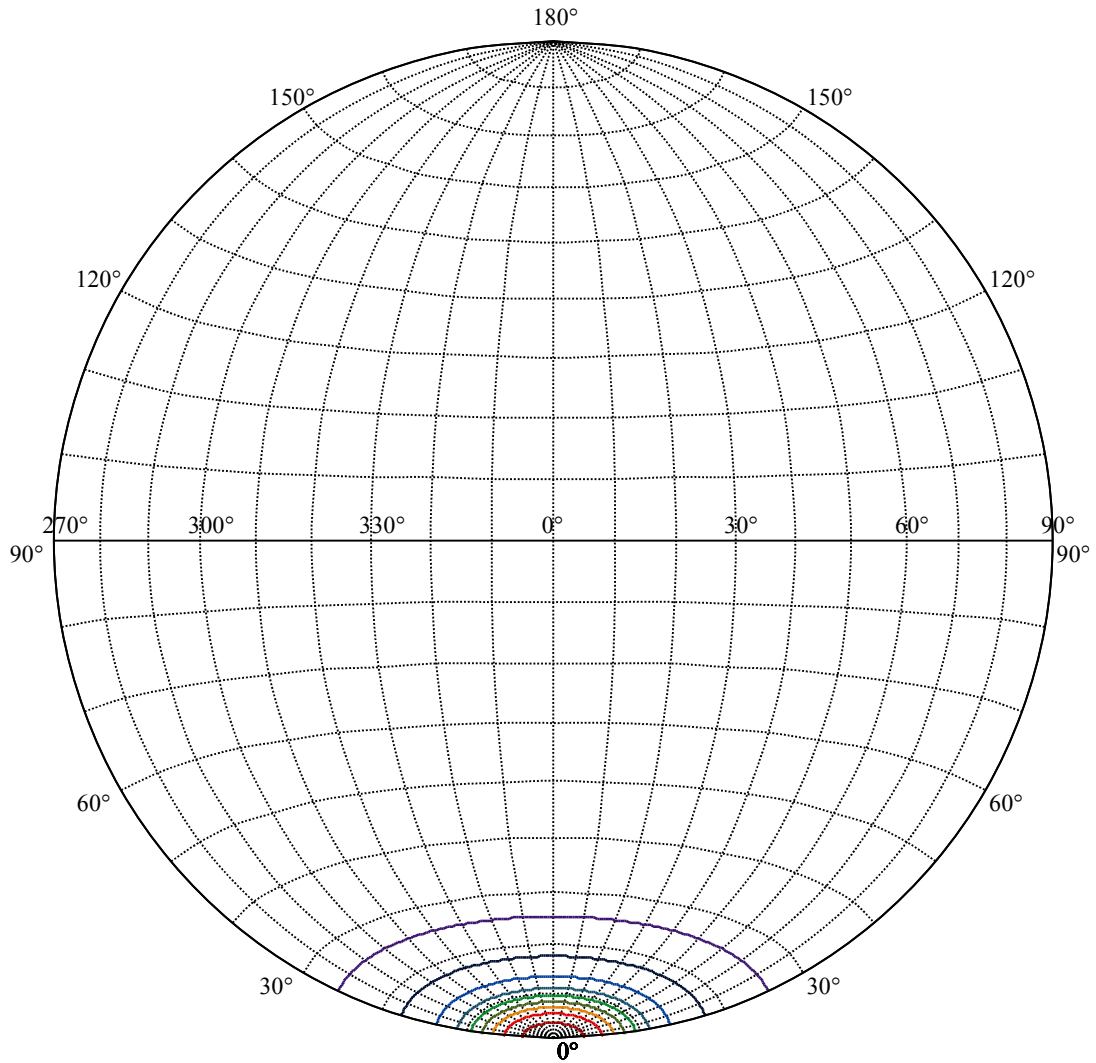
Field angle(10%Imax):C0/180Left:25.5 Right:25.5
:C90/270Left:25.5 Right:25.5

Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5





(10%Imax) 1365.25	—
(20%Imax) 2730.49	—
(30%Imax) 4095.74	—
(40%Imax) 5460.98	—
(50%Imax) 6826.23	—
(60%Imax) 8191.47	—
(70%Imax) 9556.72	—
(80%Imax) 10922	—
(90%Imax) 12287.2	—



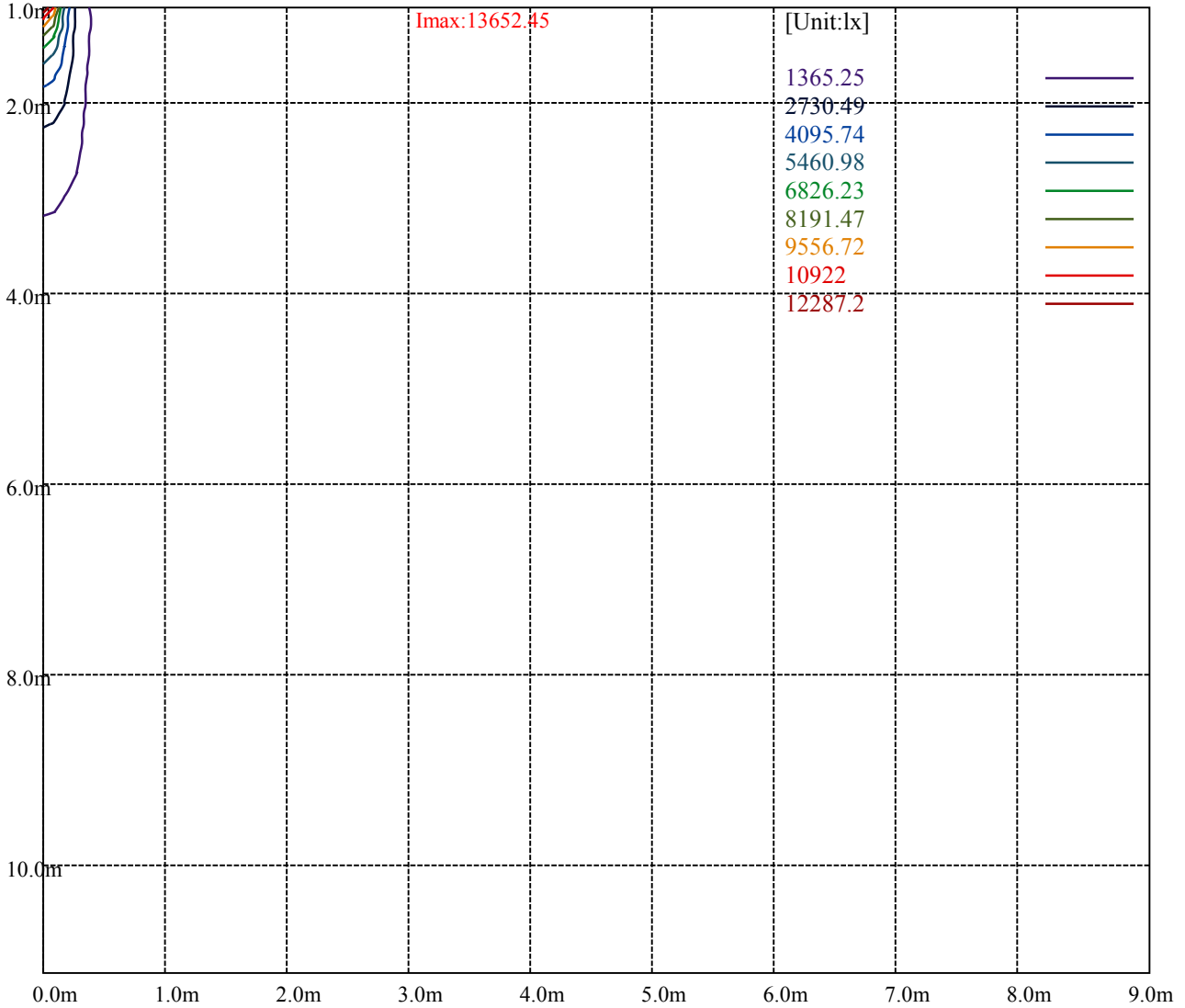
House

[Unit:cd]

Road

Imax:13652.45

(10%Imax) 1365.25	—
(20%Imax) 2730.49	—
(30%Imax) 4095.74	—
(40%Imax) 5460.98	—
(50%Imax) 6826.23	—
(60%Imax) 8191.47	—
(70%Imax) 9556.72	—
(80%Imax) 10922	—
(90%Imax) 12287.2	—



Luminance Table

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

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

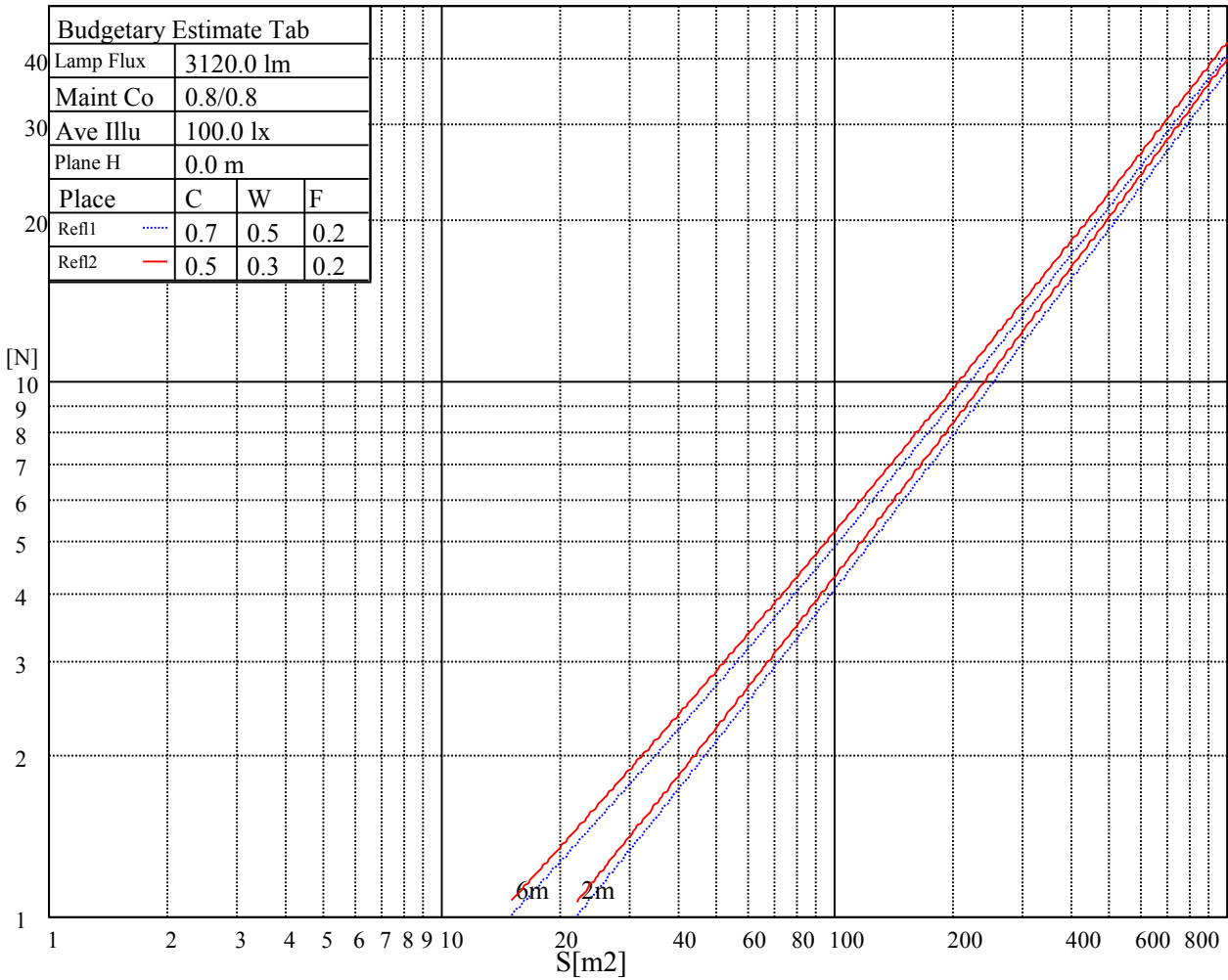
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

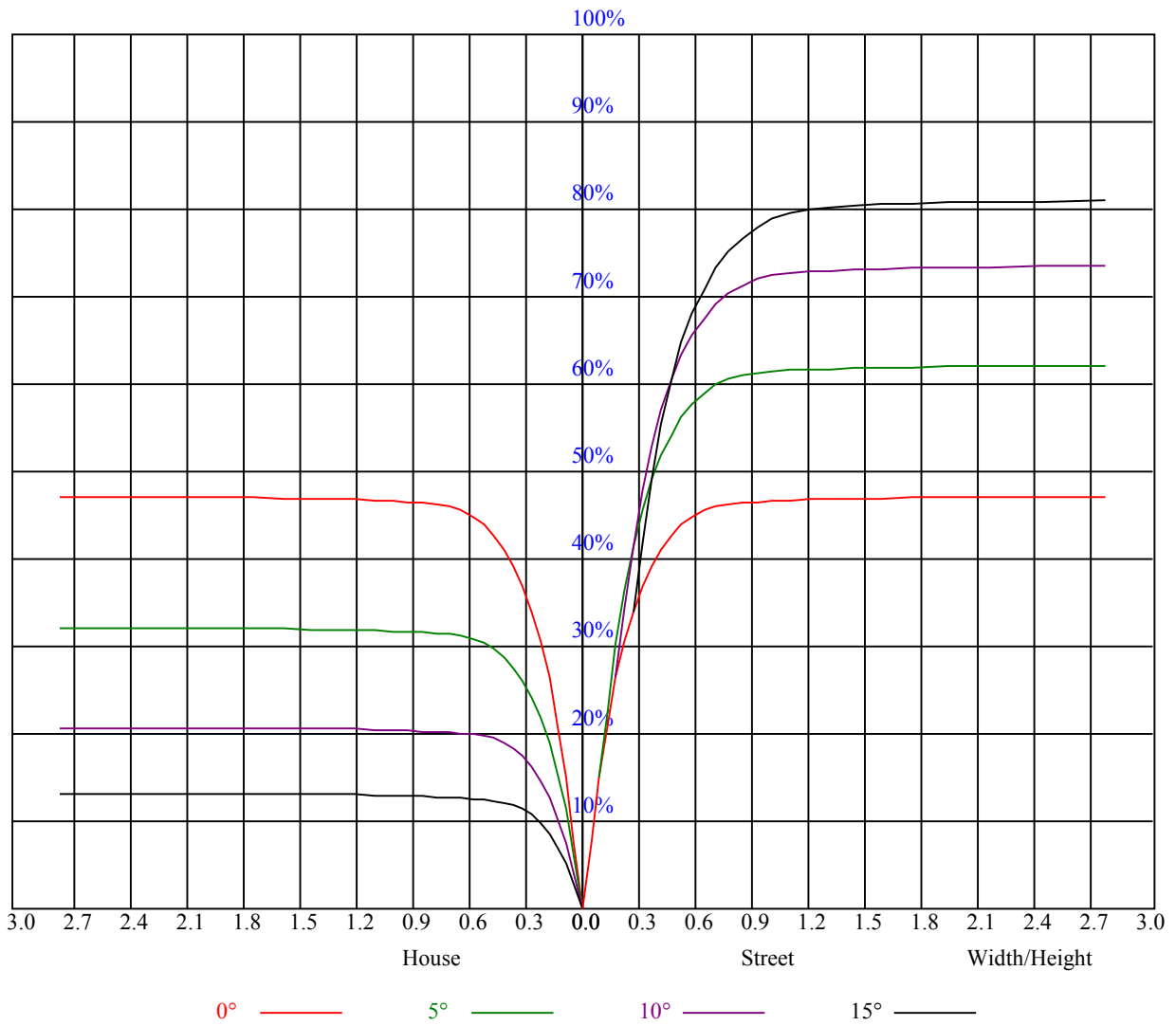


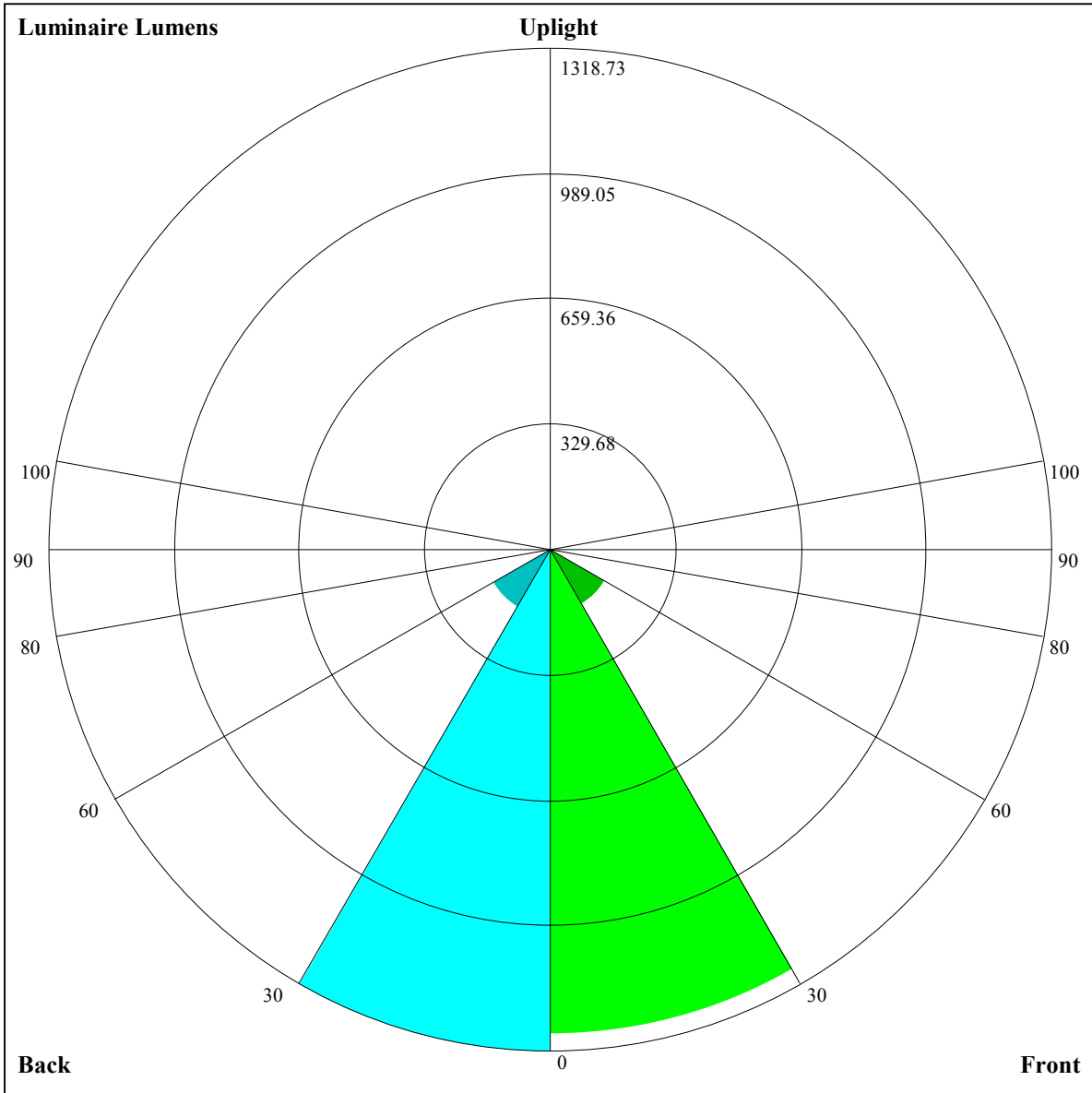
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93	0.93	0.92	0.90
2	1.00	0.97	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.90	0.90	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.89	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.85	0.82	0.80	0.79
5	0.87	0.83	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.80	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.71	0.70
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63





Luminaire Lumens:

FL=1274.31,FM=164.33,FH=11.32,FVH=1.21

BL=1318.73,BM=172.71,BH=11.86,BVH=1.27

UL=0,UH=0

BUG Rating:B3-U0-G0

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	13637.13	13419.84	13040.97	12483.80	10742.41	10742.41	9630.29	8466.93	7360.43
45.0	13670.56	13648.27	13486.70	13124.54	12600.81	11870.93	10940.46	9831.71	8611.52
90.0	13625.99	13453.27	13079.97	12567.38	10841.02	10841.02	9679.33	8441.85	7280.75
135.0	13676.13	13625.99	13475.55	13152.40	12623.09	11921.07	11007.32	9826.14	8600.38
180.0	13637.13	13670.56	13564.70	13297.26	12862.67	12506.09	11765.06	10817.89	9664.56
225.0	13670.56	13547.98	13224.83	12784.67	11084.49	10886.69	10434.29	9297.68	8151.60
270.0	13625.99	13687.28	13547.98	13252.69	13013.11	12405.80	11313.76	10706.46	9597.70
315.0	13676.13	13508.98	13258.26	12801.39	10926.80	10708.98	10278.28	9125.53	7998.38
360.0	13637.13	13419.84	13040.97	12483.80	10742.41	10742.41	9630.29	8466.93	7360.43
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6352.49	5517.85	4979.09	4344.50	3977.30	3585.66	3172.78	2940.45	2688.05
45.0	7458.20	6449.73	5597.28	4917.54	4572.10	3897.93	3652.78	3290.62	2839.32
90.0	6243.32	5401.43	4857.09	4296.56	3848.05	3446.89	3090.31	2801.16	2549.86
135.0	7396.91	6332.73	5491.41	4822.82	4282.37	3864.50	3485.63	3134.62	2839.32
180.0	8466.66	7318.91	6304.87	5485.84	4833.96	4304.66	3847.79	3446.63	3106.76
225.0	7101.88	6144.14	5384.13	4758.48	4247.00	3808.52	3423.50	3073.07	2773.83
270.0	8461.09	7357.91	6355.02	5541.56	4906.39	4382.66	3931.36	3535.77	3207.05
315.0	6950.92	6027.66	5303.92	4716.70	4230.81	3809.62	3434.64	3105.92	2929.31
360.0	6352.49	5517.85	4979.09	4344.50	3977.30	3585.66	3172.78	2940.45	2688.05
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2449.57	2235.64	2040.63	1870.12	1714.12	1577.61	1458.40	1350.28	1227.70
45.0	2839.32	2789.18	2218.35	2011.67	1836.69	1679.58	1535.30	1412.14	1297.93
90.0	2326.47	2121.95	1940.87	1783.76	1645.05	1508.54	1387.65	1283.42	1071.75
135.0	2839.32	2789.18	2243.42	2042.32	1871.23	1719.16	1574.30	1445.00	1330.78
180.0	2817.03	2817.03	2549.33	2088.52	1973.77	1813.88	1612.72	1535.30	1427.18
225.0	2516.43	2273.54	2071.80	1887.94	1728.62	1584.86	1506.86	1384.29	1214.35
270.0	2906.18	2800.32	2534.25	2164.31	2049.52	1805.52	1713.01	1574.83	1449.46
315.0	2656.82	2326.99	2204.42	2016.09	1852.30	1697.98	1564.26	1446.68	1338.03
360.0	2449.57	2235.64	2040.63	1870.12	1714.12	1577.61	1458.40	1350.28	1227.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1089.67	1089.67	924.78	855.30	737.50	624.50	519.32	417.87	328.20
45.0	1202.63	1114.06	1006.52	922.94	812.09	683.37	603.15	503.97	410.36
90.0	1071.75	1048.62	939.03	781.60	713.96	605.36	498.19	405.94	316.58
135.0	1238.32	1151.38	1045.52	937.45	826.55	712.33	604.84	501.76	404.26
180.0	1326.89	1236.06	1139.13	1032.17	915.69	805.94	693.40	583.08	477.79
225.0	1073.27	1073.27	959.37	848.36	734.09	624.97	521.16	426.33	342.97
270.0	1350.28	1254.46	1158.64	1043.84	927.99	812.62	701.76	593.69	487.25
315.0	1096.51	1096.51	1006.10	888.88	769.52	703.34	549.70	443.21	388.44
360.0	1089.67	1089.67	924.78	855.30	737.50	624.50	519.32	417.87	328.20
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	246.83	176.82	121.26	86.41	74.53	67.02	61.13	55.82	51.14
45.0	327.88	312.85	284.99	132.72	94.88	80.26	72.54	65.91	59.61
90.0	241.73	176.66	123.47	86.89	74.48	67.96	62.13	56.08	51.72
135.0	315.64	315.64	284.99	123.78	83.63	69.38	63.76	58.34	51.20
180.0	381.97	299.50	299.50	214.40	114.59	82.68	72.17	65.65	59.97
225.0	265.60	196.16	142.60	118.32	92.35	76.11	71.54	64.44	58.55
270.0	390.33	302.29	302.29	217.45	118.48	81.05	72.43	65.28	58.92
315.0	296.14	216.40	150.38	102.44	76.79	67.49	60.60	54.98	50.09
360.0	246.83	176.82	121.26	86.41	74.53	67.02	61.13	55.82	51.14

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	47.10	43.57	40.58	38.00	36.06	33.69	32.12	31.27	30.33
45.0	56.56	50.51	48.30	44.78	40.58	39.05	36.64	35.27	33.80
90.0	47.99	44.84	42.63	39.32	36.90	35.37	33.32	32.17	31.33
135.0	47.20	43.84	40.95	38.32	35.80	33.48	31.70	30.75	29.12
180.0	54.82	50.62	47.10	44.05	41.31	38.69	36.32	34.38	33.01
225.0	53.56	49.41	45.83	42.79	39.95	37.58	35.48	33.75	32.48
270.0	53.56	48.88	44.68	41.00	38.27	35.95	33.90	32.38	31.17
315.0	45.73	41.84	38.48	35.85	33.64	31.80	30.33	29.33	28.75
360.0	47.10	43.57	40.58	38.00	36.06	33.69	32.12	31.27	30.33
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.54	29.38	29.44	29.07	28.65	27.39	25.86	24.28	21.87
45.0	33.06	32.33	31.80	31.70	31.12	30.22	29.28	27.70	25.49
90.0	30.64	30.28	30.28	29.65	29.01	28.12	26.49	24.44	22.44
135.0	28.65	28.02	27.60	27.91	28.02	28.02	28.02	27.07	25.23
180.0	31.80	30.91	30.22	30.01	29.86	29.33	28.80	28.07	26.39
225.0	31.43	30.70	30.28	29.65	29.07	28.07	27.39	24.91	24.02
270.0	30.59	29.96	29.80	29.86	29.65	29.12	28.91	28.17	25.91
315.0	28.07	27.91	27.91	28.02	27.96	27.70	26.65	25.49	24.18
360.0	29.54	29.38	29.44	29.07	28.65	27.39	25.86	24.28	21.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.61	16.24	13.25	11.09	9.88	8.83	8.20	7.62	6.99
45.0	23.44	20.13	17.19	14.98	11.77	10.30	9.41	8.36	7.83
90.0	19.34	16.61	13.82	11.25	9.83	8.83	8.04	7.46	7.15
135.0	23.86	21.50	18.40	16.08	12.88	11.04	9.72	8.67	8.04
180.0	24.76	22.76	19.61	16.82	13.98	11.35	9.83	8.73	8.09
225.0	21.71	18.98	16.19	13.30	11.14	9.83	8.78	8.09	7.46
270.0	24.81	22.60	19.55	16.66	13.67	11.30	9.78	8.78	8.04
315.0	22.02	19.34	16.82	13.61	11.41	9.93	8.83	8.20	7.62
360.0	18.61	16.24	13.25	11.09	9.88	8.83	8.20	7.62	6.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.52	6.20	5.73	5.10	4.94	4.57	4.21	3.84	3.47
45.0	7.46	6.94	6.41	5.99	5.62	5.20	4.78	4.52	4.10
90.0	6.62	6.10	5.62	5.26	4.89	4.63	4.26	3.89	3.47
135.0	7.52	7.04	6.52	6.15	5.73	5.41	5.10	4.73	4.31
180.0	7.52	6.99	6.52	6.10	5.52	4.99	4.73	4.52	4.05
225.0	6.99	6.57	6.10	5.68	5.20	4.89	4.57	4.10	3.68
270.0	7.46	6.99	6.57	6.10	5.62	5.15	4.89	4.52	4.05
315.0	7.04	6.57	6.10	5.78	5.26	4.99	4.68	4.26	3.94
360.0	6.52	6.20	5.73	5.10	4.94	4.57	4.21	3.84	3.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.05	2.68	2.31	2.10	1.84	1.52	1.37	1.16	0.95
45.0	3.73	3.26	2.89	2.42	2.10	1.84	1.52	1.26	1.05
90.0	3.10	2.73	2.42	2.16	1.94	1.68	1.42	1.21	1.05
135.0	3.99	3.57	3.21	2.84	2.52	2.21	1.94	1.68	1.42
180.0	3.68	3.36	3.10	2.68	2.31	2.05	1.79	1.52	1.21
225.0	3.36	3.10	2.63	2.26	2.05	1.73	1.52	1.31	1.10
270.0	3.89	3.36	2.94	2.68	2.31	2.00	1.79	1.52	1.37
315.0	3.47	3.21	3.00	2.68	2.37	2.16	1.79	1.47	1.37
360.0	3.05	2.68	2.31	2.10	1.84	1.52	1.37	1.16	0.95

Intensity data(cd)

C/γ(°)	90.0
0.0	1.00
45.0	1.00
90.0	1.05
135.0	1.05
180.0	1.05
225.0	0.95
270.0	1.10
315.0	1.05
360.0	1.00