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Nata

Client:

LumCAT: 2-2456-L

Luminaire: 92.70.411.00

Report No: 2024902-B006

Ballast type: AC

Test No: 2024902-C006

Voltage(V): 36.720

LampCAT: LUMILEDS LUXEON CoB 1208 Current(A): 0.898

Lamp flux(lm): 4053.0 Power (W): 32.950

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 3642.58, Efficiency(%): 89.87% , Luminous Efficacy(lm/W): 110.55

Central intensity(cd): 7649.854, Maximum intensity(cd): 7649.854

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=38.6

[C90/270]Total=38.6

Field angle(10%Imax): [C0/180]Total=66.6

[C90/270]Total=66.6

Maximum s/h(1/2): C0_180=0.62 C90_270=0.62

Maximum s/h(1/4): C0_180=0.64 C90_270=0.64

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.87%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.135%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
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	7649.854	0.000	0	0.00%	0.00%
1.0	7637.601	7.315	7.315	0.18%	0.20%
2.0	7600.892	21.872	29.186	0.54%	0.80%
3.0	7538.369	36.208	65.395	0.89%	1.80%
4.0	7464.039	50.218	115.612	1.24%	3.17%
5.0	7339.873	63.686	179.298	1.57%	4.92%
6.0	7213.395	76.481	255.779	1.89%	7.02%
7.0	7053.559	88.555	344.334	2.18%	9.45%
8.0	6867.593	99.631	443.965	2.46%	12.19%
9.0	6661.239	109.644	553.609	2.71%	15.20%
10.0	6433.985	118.507	672.116	2.92%	18.45%
11.0	6185.976	126.099	798.215	3.11%	21.91%
12.0	5924.740	132.387	930.603	3.27%	25.55%
13.0	5655.410	137.427	1068.03	3.39%	29.32%
14.0	5373.491	141.169	1209.199	3.48%	33.20%
15.0	5083.911	143.564	1352.763	3.54%	37.14%
16.0	4809.863	144.971	1497.734	3.58%	41.12%
17.0	4496.315	144.922	1642.656	3.58%	45.10%
18.0	4211.334	143.570	1786.227	3.54%	49.04%
19.0	3921.951	141.503	1927.729	3.49%	52.92%
20.0	3625.958	138.148	2065.877	3.41%	56.71%
21.0	3341.878	133.797	2199.673	3.30%	60.39%
22.0	3082.659	129.104	2328.777	3.19%	63.93%
23.0	2814.177	123.732	2452.509	3.05%	67.33%
24.0	2568.467	117.684	2570.193	2.90%	70.56%
25.0	2376.456	112.437	2682.629	2.77%	73.65%
26.0	2145.647	106.745	2789.374	2.63%	76.58%
27.0	1941.179	99.985	2889.359	2.47%	79.32%
28.0	1697.151	92.115	2981.474	2.27%	81.85%
29.0	1510.075	83.910	3065.384	2.07%	84.15%
30.0	1265.613	74.943	3140.327	1.85%	86.21%
31.0	1090.284	65.561	3205.888	1.62%	88.01%
32.0	951.966	58.508	3264.396	1.44%	89.62%
33.0	805.862	51.786	3316.183	1.28%	91.04%
34.0	666.466	44.557	3360.74	1.10%	92.26%
35.0	547.938	37.715	3398.455	0.93%	93.30%
36.0	436.499	31.345	3429.799	0.77%	94.16%
37.0	344.409	25.469	3455.268	0.63%	94.86%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	285.848	21.037	3476.305	0.52%	95.44%
39.0	217.201	17.170	3493.476	0.42%	95.91%
40.0	167.668	13.423	3506.898	0.33%	96.28%
41.0	149.028	11.277	3518.176	0.28%	96.58%
42.0	117.234	9.674	3527.85	0.24%	96.85%
43.0	105.046	8.234	3536.084	0.20%	97.08%
44.0	94.277	7.523	3543.607	0.19%	97.28%
45.0	85.670	6.916	3550.522	0.17%	97.47%
46.0	77.884	6.396	3556.918	0.16%	97.65%
47.0	70.848	5.915	3562.834	0.15%	97.81%
48.0	64.534	5.473	3568.307	0.14%	97.96%
49.0	58.909	5.069	3573.376	0.13%	98.10%
50.0	53.857	4.702	3578.078	0.12%	98.23%
51.0	49.304	4.365	3582.442	0.11%	98.35%
52.0	45.440	4.066	3586.508	0.10%	98.46%
53.0	41.675	3.790	3590.297	0.09%	98.56%
54.0	38.469	3.532	3593.83	0.09%	98.66%
55.0	35.880	3.319	3597.148	0.08%	98.75%
56.0	33.075	3.116	3600.264	0.08%	98.84%
57.0	31.124	2.935	3603.2	0.07%	98.92%
58.0	29.028	2.782	3605.981	0.07%	99.00%
59.0	27.043	2.621	3608.603	0.06%	99.07%
60.0	25.381	2.477	3611.079	0.06%	99.14%
61.0	23.923	2.353	3613.432	0.06%	99.20%
62.0	22.392	2.232	3615.664	0.06%	99.26%
63.0	21.150	2.118	3617.782	0.05%	99.32%
64.0	19.855	2.012	3619.794	0.05%	99.37%
65.0	18.601	1.903	3621.697	0.05%	99.43%
66.0	17.556	1.804	3623.501	0.04%	99.48%
67.0	16.459	1.710	3625.211	0.04%	99.52%
68.0	15.427	1.615	3626.826	0.04%	99.57%
69.0	14.428	1.523	3628.349	0.04%	99.61%
70.0	13.390	1.429	3629.778	0.04%	99.65%
71.0	12.372	1.332	3631.11	0.03%	99.69%
72.0	11.367	1.234	3632.344	0.03%	99.72%
73.0	10.440	1.140	3633.484	0.03%	99.75%
74.0	9.547	1.051	3634.535	0.03%	99.78%
75.0	8.765	0.968	3635.503	0.02%	99.81%

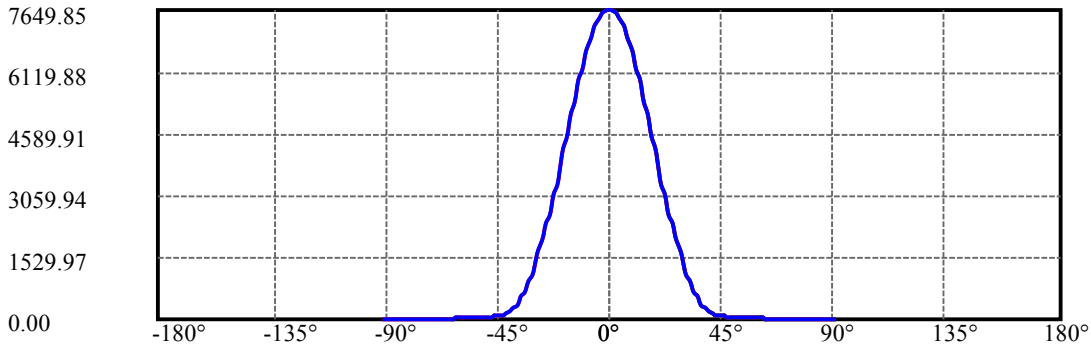
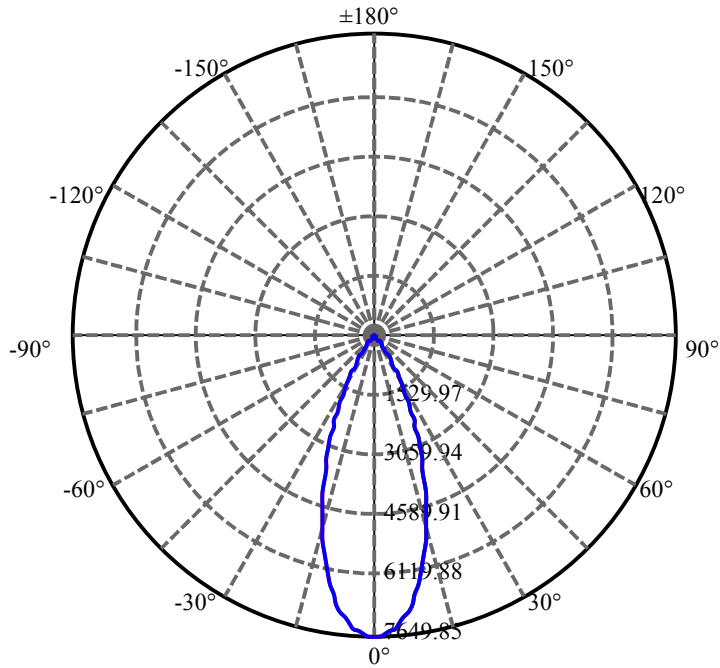
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.970	0.888	3636.391	0.02%	99.83%
77.0	7.254	0.812	3637.203	0.02%	99.85%
78.0	6.669	0.745	3637.948	0.02%	99.87%
79.0	5.986	0.680	3638.628	0.02%	99.89%
80.0	5.394	0.614	3639.241	0.02%	99.91%
81.0	4.875	0.555	3639.797	0.01%	99.92%
82.0	4.290	0.497	3640.294	0.01%	99.94%
83.0	3.785	0.439	3640.733	0.01%	99.95%
84.0	3.285	0.385	3641.118	0.01%	99.96%
85.0	2.865	0.336	3641.454	0.01%	99.97%
86.0	2.497	0.293	3641.747	0.01%	99.98%
87.0	2.194	0.257	3642.003	0.01%	99.98%
88.0	1.866	0.222	3642.226	0.01%	99.99%
89.0	1.570	0.188	3642.414	0.00%	100.00%
90.0	1.413	0.164	3642.578	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3140.33	77.48%	86.21%
0-40	3506.90	86.53%	96.28%
0-60	3611.08	89.10%	99.14%
0-90	3642.41	89.87%	100.00%
0-120	3642.41	89.87%	100.00%
0-180	3642.58	89.87%	100.00%
60-90	31.33	0.77%	0.86%
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%
0-27.27	2914.06	71.90%	80.00%

ZONAL LUMEN SUMMARY

0-10	672.12
10-20	1393.76
20-30	1074.45
30-40	366.57
40-50	71.18
50-60	33.00
60-70	18.70
70-80	9.46
80-90	3.17
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: —————

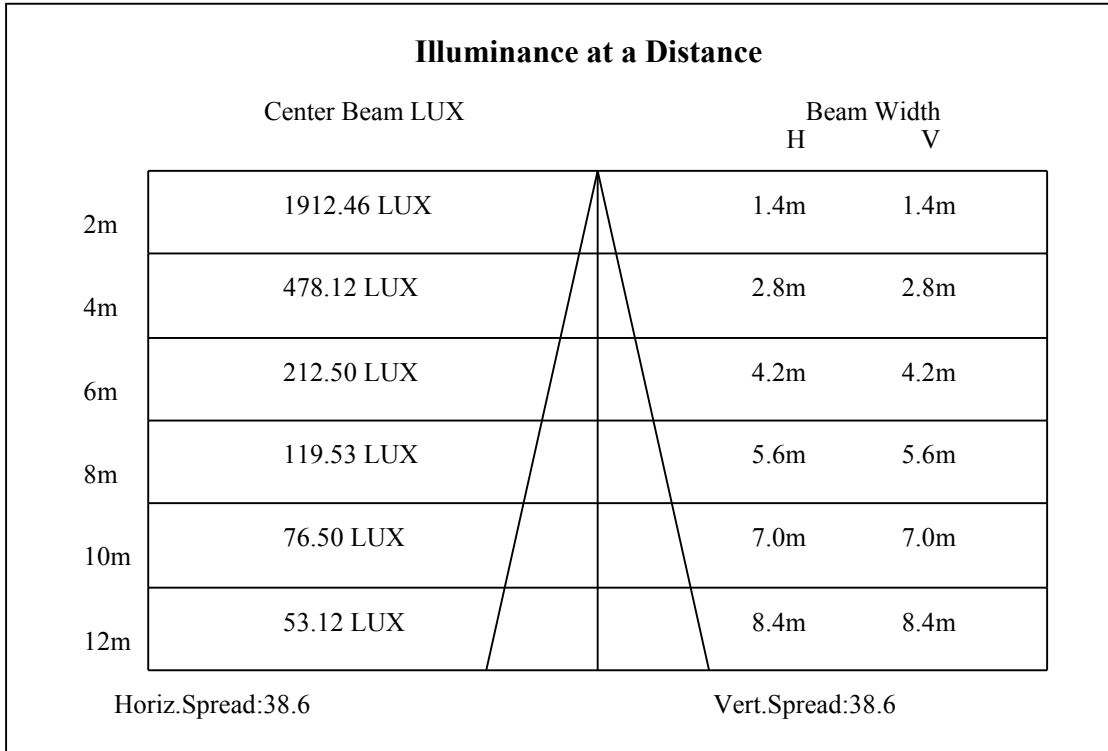
C90/C270: —————

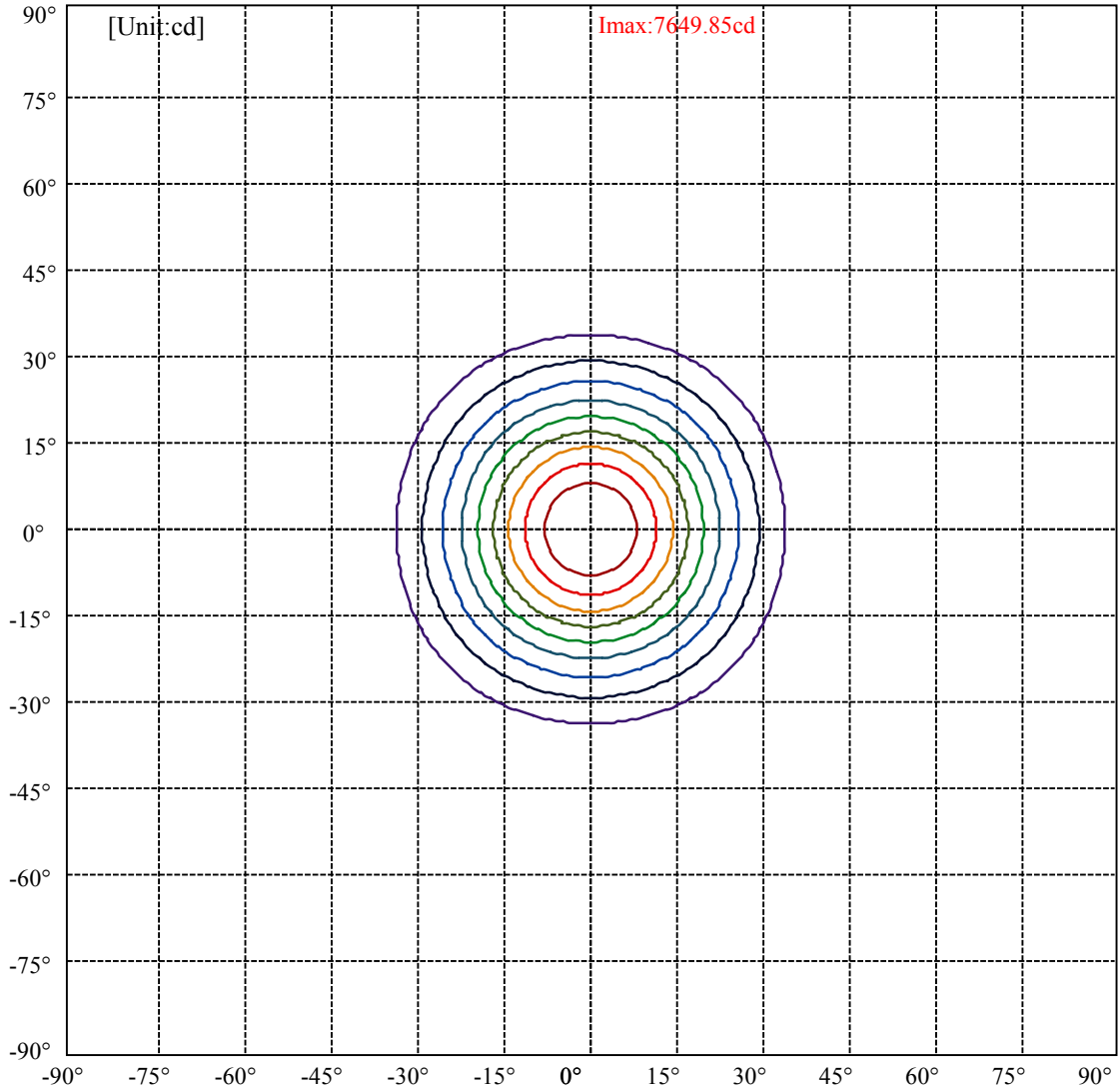
Field angle(10%Imax):C0/180Left:33.3 Right:33.3

:C90/270Left:33.3 Right:33.3

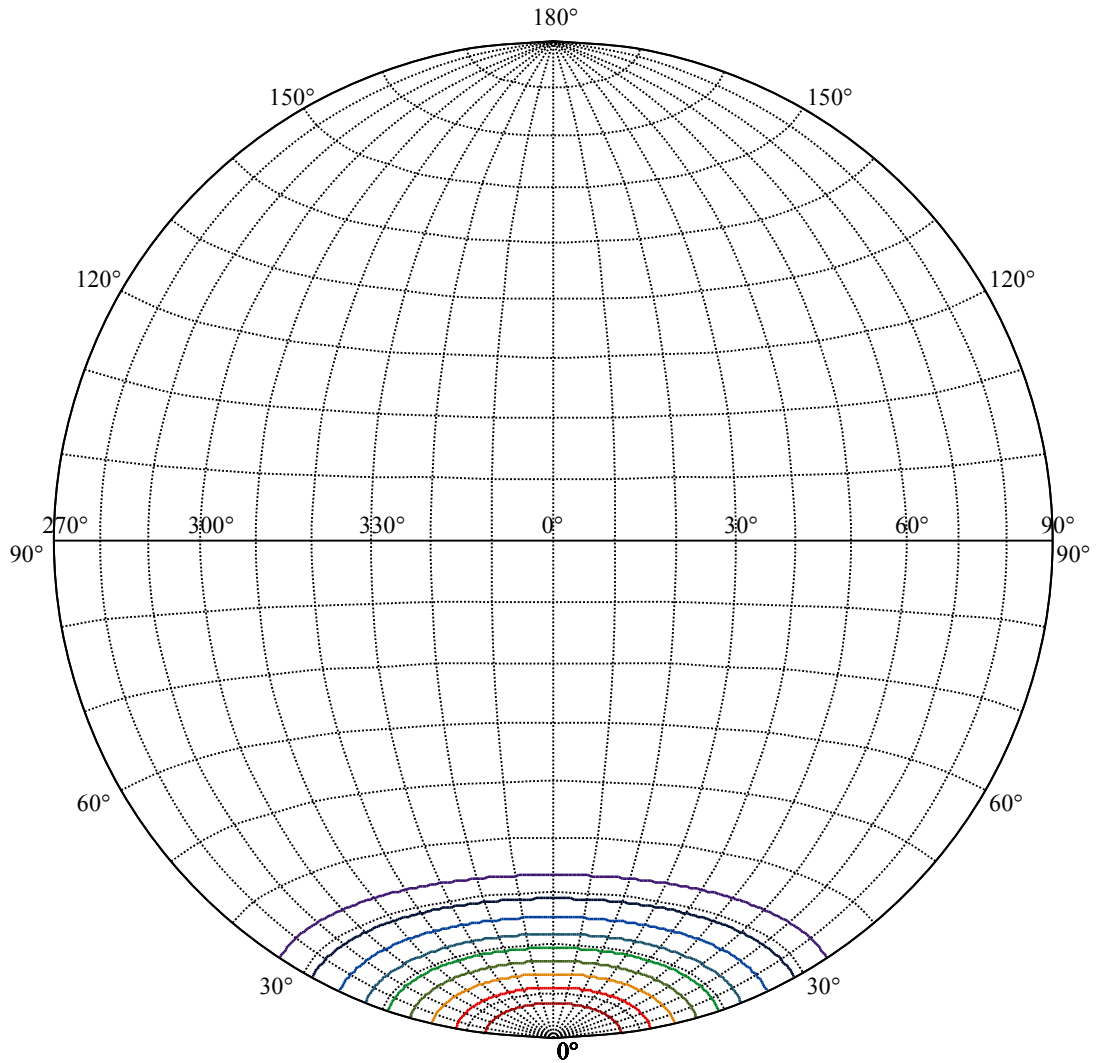
Beam Angle(50%Imax):C0/180Left:19.3 Right:19.3

:C90/270Left:19.3 Right:19.3





(10%Imax) 764.985	—
(20%Imax) 1529.97	—
(30%Imax) 2294.96	—
(40%Imax) 3059.94	—
(50%Imax) 3824.93	—
(60%Imax) 4589.91	—
(70%Imax) 5354.9	—
(80%Imax) 6119.88	—
(90%Imax) 6884.87	—



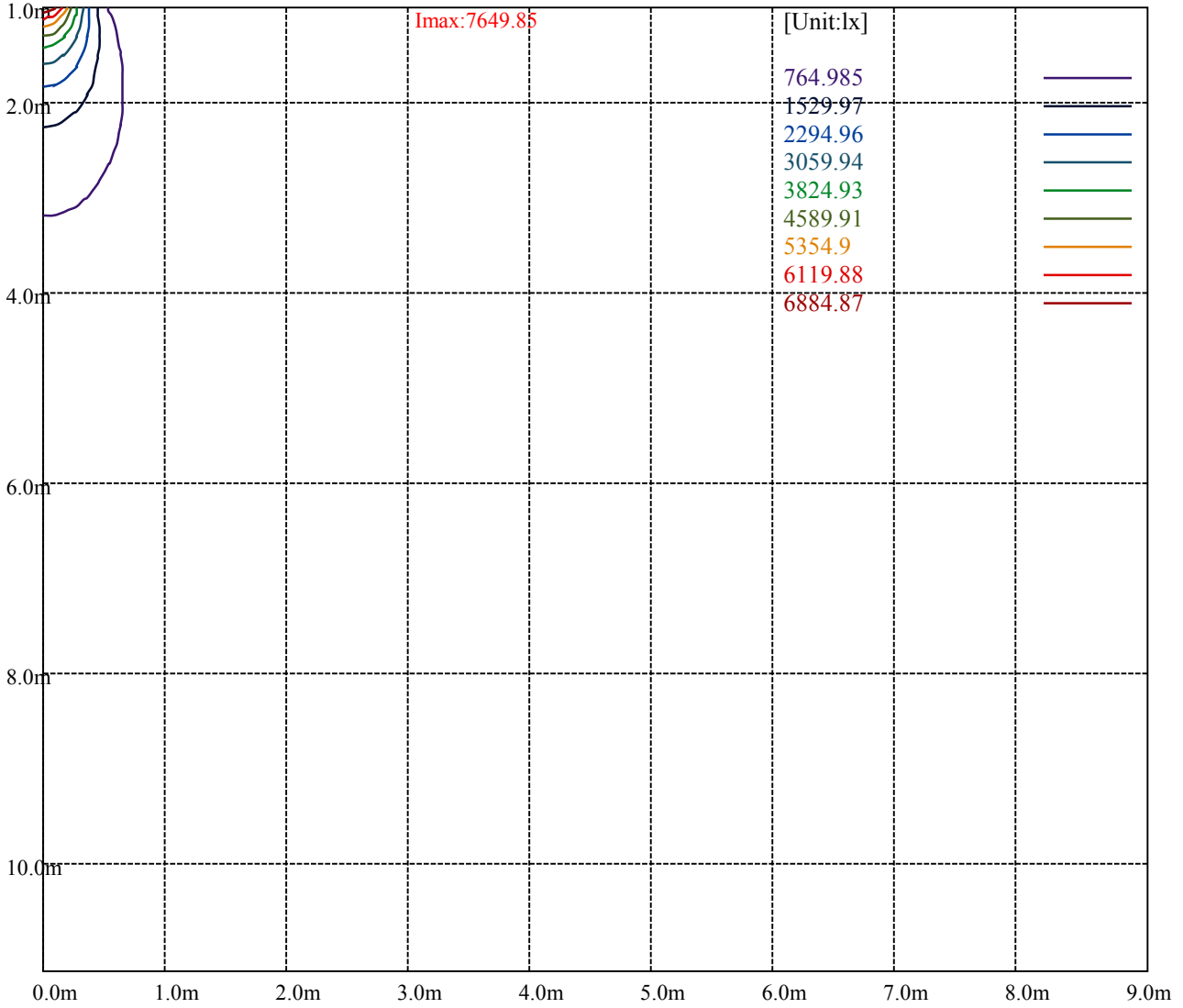
House

[Unit:cd]

Road

Imax:7649.85

(10%Imax) 764.985	—
(20%Imax) 1529.97	—
(30%Imax) 2294.96	—
(40%Imax) 3059.94	—
(50%Imax) 3824.93	—
(60%Imax) 4589.91	—
(70%Imax) 5354.9	—
(80%Imax) 6119.88	—
(90%Imax) 6884.87	—



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

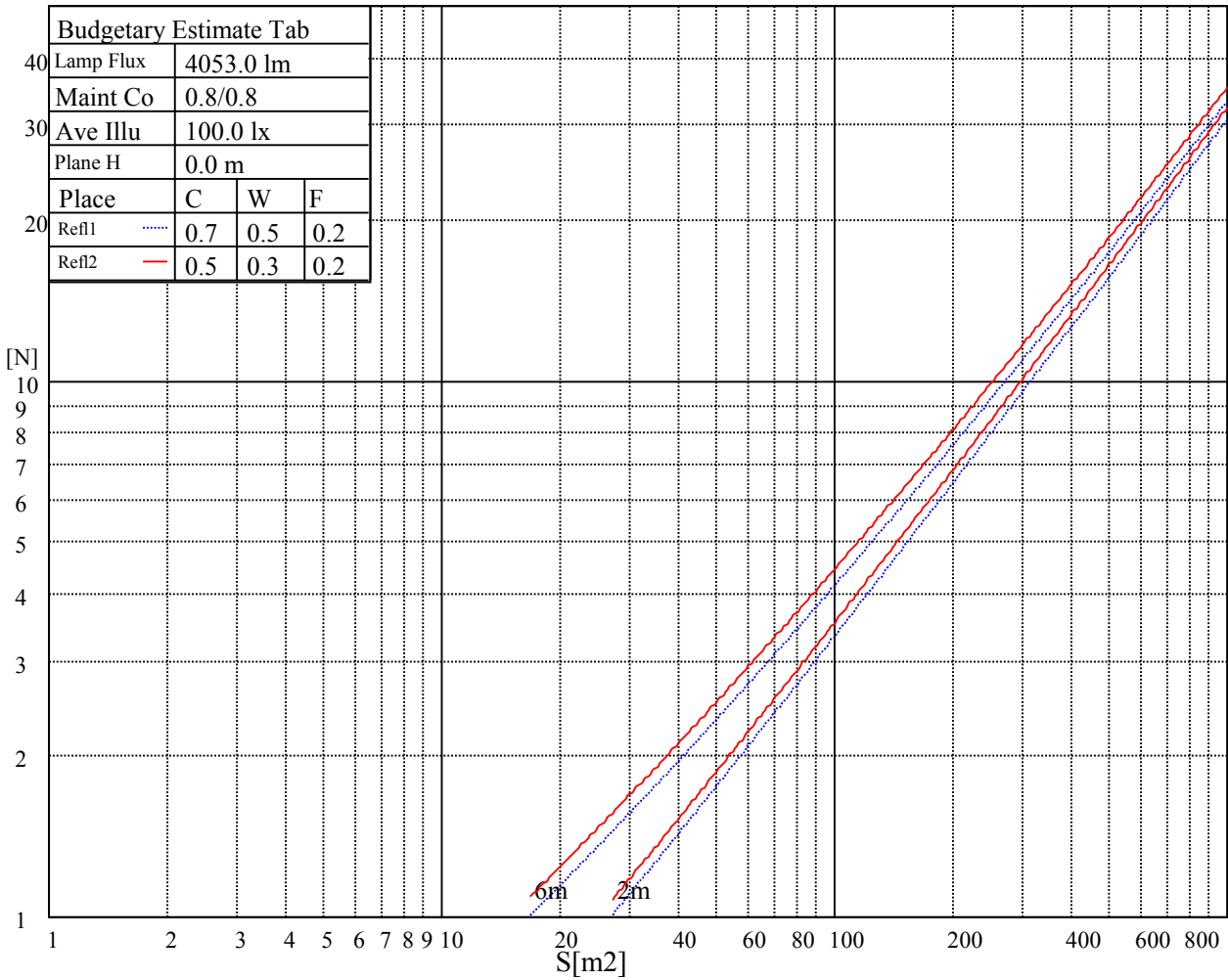
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

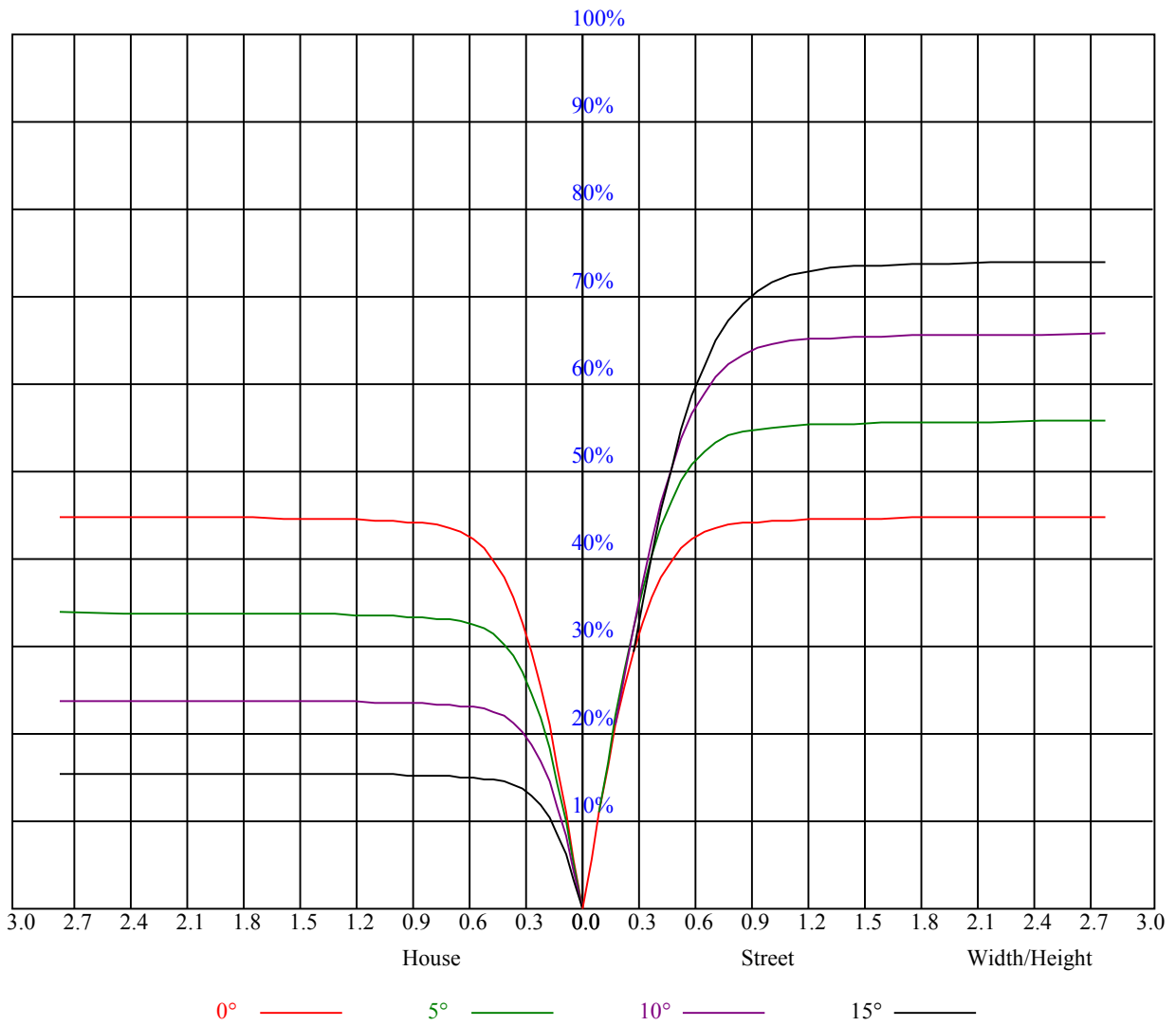


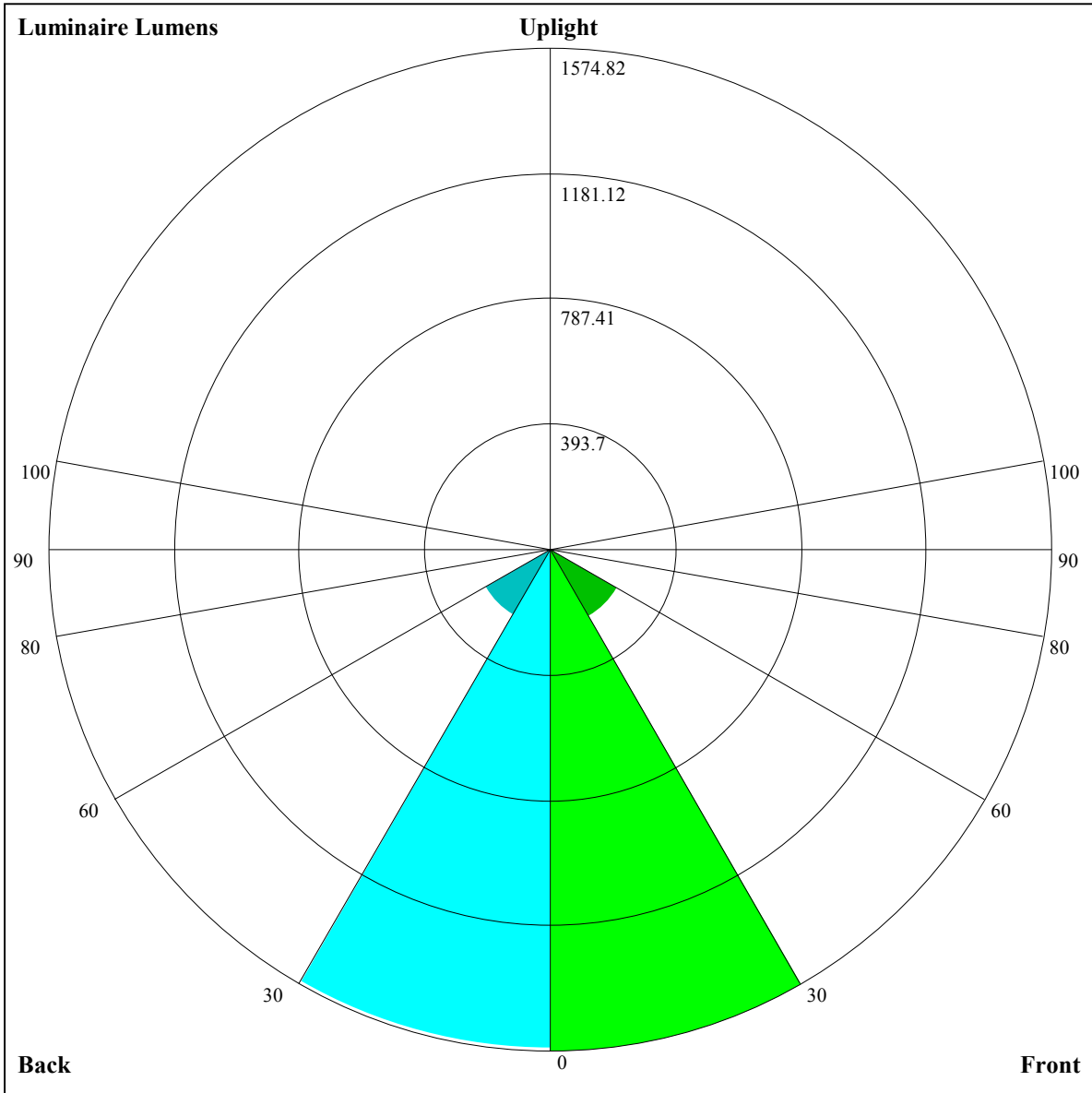
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.97	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.85
2	0.94	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.86	0.87	0.85	0.84	0.85	0.83	0.82	0.81
3	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.81	0.79	0.78	0.76
4	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.72
5	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
6	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
7	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.62
8	0.69	0.65	0.62	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57
10	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1574.82,FM=241.61,FH=14.08,FVH=1.7

BL=1564.18,BM=237.42,BH=14,BVH=1.67

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	7659.62	7608.89	7545.40	7509.76	7410.00	7217.78	7125.27	6959.28	6759.22
45.0	7662.93	7632.86	7609.47	7522.01	7418.36	7299.14	7148.13	6989.92	6788.18
90.0	7606.11	7535.36	7437.86	7302.46	7217.20	7056.78	6867.87	6663.40	6420.46
135.0	7670.76	7636.23	7593.28	7467.40	7405.53	7261.82	7115.28	6929.16	6729.68
180.0	7659.62	7659.04	7635.07	7586.08	7530.89	7421.14	7296.36	7144.24	6978.78
225.0	7662.93	7669.08	7625.61	7596.65	7499.72	7379.35	7276.28	7118.59	6934.20
270.0	7606.11	7659.62	7679.12	7688.05	7659.62	7593.28	7517.54	7405.53	7266.24
315.0	7670.76	7699.72	7681.33	7634.55	7571.00	7489.68	7360.43	7218.36	7063.98
360.0	7659.62	7608.89	7545.40	7509.76	7410.00	7217.78	7125.27	6959.28	6759.22
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6540.82	6290.68	6031.02	5758.01	5473.28	5204.21	4921.16	4630.86	4342.24
45.0	6569.79	6322.95	6071.70	5801.48	5526.21	5239.27	4951.23	4779.09	4364.00
90.0	6175.88	5924.58	5650.47	5380.24	5094.41	4808.05	4507.18	4206.31	3893.20
135.0	6510.18	6263.35	6004.85	5732.36	5458.25	5168.52	4874.33	4582.40	4274.86
180.0	6778.72	6558.64	6324.64	6057.78	5802.01	5526.21	5227.60	4951.81	4648.15
225.0	6734.73	6510.18	6249.42	5978.67	5693.36	5392.49	5088.84	4781.30	4466.50
270.0	7105.77	6931.42	6718.54	6492.89	6258.88	5994.81	5726.26	5443.21	5166.84
315.0	6874.02	6670.08	6437.17	6196.49	5936.88	5654.36	5374.67	5103.92	4814.73
360.0	6540.82	6290.68	6031.02	5758.01	5473.28	5204.21	4921.16	4630.86	4342.24
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4027.44	3728.84	3433.54	3203.42	2885.26	2644.58	2467.97	2262.40	2055.09
45.0	4184.61	3882.06	3574.51	3288.10	3008.99	2759.37	2532.04	2317.53	2104.13
90.0	3588.44	3289.20	3001.16	2749.91	2607.26	2299.71	2080.74	1949.23	1721.37
135.0	3963.37	3643.58	3464.18	3061.92	2796.11	2651.83	2330.88	2205.00	1986.60
180.0	4333.36	4150.60	3849.15	3529.36	3237.43	2961.06	2705.86	2473.54	2257.35
225.0	4154.49	3840.27	3528.78	3228.49	3056.35	2695.83	2460.19	2324.21	2021.13
270.0	4867.13	4633.65	4254.78	4012.41	3707.65	3412.94	3134.35	2871.91	2634.01
315.0	4571.83	4207.42	3901.56	3661.40	3362.21	3088.10	2835.69	2607.84	2385.50
360.0	4027.44	3728.84	3433.54	3203.42	2885.26	2644.58	2467.97	2262.40	2055.09
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1844.52	1630.02	1418.29	1049.67	1049.67	883.00	736.03	603.89	483.05
45.0	1892.41	1679.00	1466.18	1266.70	1078.42	912.38	760.26	625.44	505.07
90.0	1504.08	1049.52	1049.52	915.53	761.00	623.55	499.71	393.22	297.77
135.0	1766.52	1544.76	1339.71	1148.60	973.67	817.08	677.79	554.11	442.10
180.0	2042.32	1823.34	1604.94	1396.53	1199.84	1027.12	870.59	724.63	592.54
225.0	1887.94	1680.16	1474.54	1057.24	1057.24	961.32	808.25	671.75	549.80
270.0	2415.61	2212.25	1996.59	1778.19	1551.43	1340.29	1145.28	968.62	809.83
315.0	2176.03	1958.16	1730.83	1512.43	1050.99	1050.99	948.96	790.07	703.34
360.0	1844.52	1630.02	1418.29	1049.67	1049.67	883.00	736.03	603.89	483.05
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	378.92	285.20	210.41	176.72	134.77	125.57	111.85	101.08	91.83
45.0	396.43	337.92	302.81	217.61	144.13	126.57	112.27	100.76	91.09
90.0	221.55	164.84	135.40	120.05	111.70	96.24	90.51	81.89	71.38
135.0	340.71	305.07	305.07	143.02	131.88	116.37	99.61	93.46	84.26
180.0	473.90	369.15	298.40	298.40	168.94	142.08	126.52	113.17	102.71
225.0	438.84	340.92	259.13	194.74	153.22	134.56	122.73	110.80	100.18
270.0	668.33	540.76	425.97	326.78	307.86	307.86	150.75	129.15	113.80
315.0	573.30	411.41	349.59	260.29	188.86	142.97	123.63	110.07	98.98
360.0	378.92	285.20	210.41	176.72	134.77	125.57	111.85	101.08	91.83

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	83.63	76.27	69.59	63.50	57.98	53.14	48.62	44.63	41.10
45.0	82.52	75.11	68.02	61.81	56.24	51.30	46.83	44.31	39.26
90.0	67.28	60.92	55.40	50.25	45.62	41.63	38.11	34.95	32.22
135.0	76.43	69.28	62.65	56.87	51.67	47.20	43.00	39.42	36.27
180.0	93.25	84.89	77.27	70.33	64.23	58.45	53.35	48.83	44.78
225.0	91.30	83.73	76.69	70.07	64.44	59.08	54.35	50.09	46.36
270.0	101.55	91.56	83.00	75.48	68.96	62.97	57.77	52.88	48.78
315.0	89.41	81.31	74.17	67.96	62.13	57.08	52.40	48.41	44.63
360.0	83.63	76.27	69.59	63.50	57.98	53.14	48.62	44.63	41.10
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.11	35.22	32.75	30.54	28.54	26.65	24.97	23.44	22.02
45.0	36.22	34.43	31.01	29.70	27.70	25.76	24.13	22.60	21.29
90.0	29.80	27.60	25.60	23.97	22.39	20.97	19.71	18.98	17.35
135.0	33.53	30.96	28.86	26.96	25.18	24.28	22.23	21.39	20.13
180.0	41.10	39.00	34.90	33.17	30.80	27.70	26.49	24.65	23.07
225.0	42.79	40.00	37.37	34.59	33.17	30.28	28.23	26.65	24.60
270.0	44.89	41.52	38.37	36.22	33.27	30.96	29.33	27.44	25.91
315.0	41.31	38.32	35.74	33.85	31.17	29.75	27.96	26.23	24.76
360.0	38.11	35.22	32.75	30.54	28.54	26.65	24.97	23.44	22.02
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.97	19.45	18.45	17.24	16.19	15.14	14.09	12.98	11.93
45.0	19.97	18.76	17.66	16.56	15.51	14.45	13.51	12.56	11.56
90.0	16.77	15.77	14.40	13.93	13.04	12.19	11.35	10.51	9.72
135.0	18.50	17.77	16.77	15.82	14.82	13.82	12.93	12.09	11.20
180.0	21.55	20.13	18.76	17.50	16.40	15.40	14.35	13.30	12.40
225.0	23.76	22.13	20.39	19.45	18.24	17.24	16.24	14.88	13.51
270.0	24.39	22.92	21.66	20.39	19.19	18.03	16.93	15.87	14.77
315.0	23.29	21.92	20.71	19.55	18.29	17.14	16.03	14.93	13.88
360.0	20.97	19.45	18.45	17.24	16.19	15.14	14.09	12.98	11.93
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.99	9.93	9.04	8.30	7.62	6.99	6.25	5.68	5.10
45.0	10.62	9.72	8.94	8.30	7.78	7.10	6.47	5.78	5.15
90.0	8.99	8.36	7.67	7.04	6.47	5.78	5.20	4.68	4.10
135.0	10.35	9.51	8.78	8.09	7.46	6.83	6.20	5.52	4.94
180.0	11.46	10.57	9.67	8.83	8.20	7.46	6.78	6.25	5.57
225.0	12.19	11.25	10.09	8.99	8.09	7.41	6.73	6.10	5.52
270.0	13.67	12.56	11.51	10.51	9.46	8.57	8.20	7.25	6.57
315.0	12.67	11.62	10.67	10.04	8.67	7.88	7.52	6.62	6.20
360.0	10.99	9.93	9.04	8.30	7.62	6.99	6.25	5.68	5.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.63	4.05	3.57	3.05	2.68	2.31	2.05	1.84	1.42
45.0	4.68	3.89	3.47	2.94	2.63	2.16	1.84	1.52	1.26
90.0	3.63	3.26	2.79	2.37	2.16	1.89	1.68	1.26	1.26
135.0	4.47	3.89	3.42	3.00	2.52	2.31	2.05	1.68	1.26
180.0	5.10	4.47	3.94	3.36	2.94	2.52	2.21	1.89	1.58
225.0	4.89	4.47	3.84	3.36	2.89	2.52	2.26	2.00	1.73
270.0	6.20	5.41	4.78	4.31	3.68	3.26	2.84	2.47	2.10
315.0	5.41	4.89	4.47	3.89	3.42	3.00	2.63	2.26	1.94
360.0	4.63	4.05	3.57	3.05	2.68	2.31	2.05	1.84	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.26
45.0	1.26
90.0	1.26
135.0	1.21
180.0	1.21
225.0	1.47
270.0	1.89
315.0	1.73
360.0	1.26