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NT

Client:

LumCAT: 2-2678-L

Luminaire: 92.70.411.00

Report No: 2024330-B003

Ballast type: AC

Test No: 2024330-C003

Voltage(V): 34.070

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.624

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2408.67, Efficiency(%): 84.51% , Luminous Efficacy(lm/W): 122.74

Central intensity(cd): 9883.340, Maximum intensity(cd): 9883.340

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.2

[C90/270]Total=21.2

Field angle(10%Imax): [C0/180]Total=54.6

[C90/270]Total=54.6

Maximum s/h(1/2): C0_180=0.36 C90_270=0.36

Maximum s/h(1/4): C0_180=0.39 C90_270=0.39

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.51%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.025%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9883.338	0.000	0	0.00%	0.00%
1.0	9834.106	9.434	9.434	0.33%	0.39%
2.0	9667.244	27.990	37.425	0.98%	1.55%
3.0	9416.036	45.641	83.066	1.60%	3.45%
4.0	9048.661	61.807	144.873	2.17%	6.01%
5.0	8562.778	75.764	220.636	2.66%	9.16%
6.0	7981.723	86.946	307.582	3.05%	12.77%
7.0	7327.588	95.025	402.607	3.33%	16.71%
8.0	6671.477	100.189	502.795	3.52%	20.87%
9.0	5951.065	102.299	605.094	3.59%	25.12%
10.0	5297.296	101.794	706.888	3.57%	29.35%
11.0	4708.779	99.981	806.869	3.51%	33.50%
12.0	4162.837	96.979	903.848	3.40%	37.52%
13.0	3653.765	92.763	996.612	3.25%	41.38%
14.0	3257.713	88.466	1085.078	3.10%	45.05%
15.0	2912.211	84.703	1169.782	2.97%	48.57%
16.0	2589.899	80.621	1250.403	2.83%	51.91%
17.0	2358.442	77.059	1327.462	2.70%	55.11%
18.0	2123.840	73.903	1401.365	2.59%	58.18%
19.0	1942.859	70.752	1472.117	2.48%	61.12%
20.0	1779.655	68.132	1540.25	2.39%	63.95%
21.0	1633.348	65.537	1605.786	2.30%	66.67%
22.0	1500.575	62.978	1668.764	2.21%	69.28%
23.0	1366.625	60.162	1728.925	2.11%	71.78%
24.0	1242.667	57.048	1785.974	2.00%	74.15%
25.0	1184.898	55.198	1841.171	1.94%	76.44%
26.0	1107.355	54.109	1895.28	1.90%	78.69%
27.0	1018.694	52.014	1947.294	1.83%	80.85%
28.0	929.162	49.316	1996.61	1.73%	82.89%
29.0	841.385	46.323	2042.932	1.63%	84.82%
30.0	750.683	42.986	2085.918	1.51%	86.60%
31.0	655.993	39.146	2125.064	1.37%	88.23%
32.0	563.338	34.932	2159.996	1.23%	89.68%
33.0	476.637	30.638	2190.634	1.08%	90.95%
34.0	399.336	26.509	2217.144	0.93%	92.05%
35.0	322.452	22.416	2239.56	0.79%	92.98%
36.0	273.651	18.980	2258.54	0.67%	93.77%
37.0	236.277	16.631	2275.171	0.58%	94.46%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	167.382	13.474	2288.644	0.47%	95.02%
39.0	118.076	9.743	2298.388	0.34%	95.42%
40.0	90.556	7.276	2305.664	0.26%	95.72%
41.0	70.381	5.731	2311.395	0.20%	95.96%
42.0	55.816	4.585	2315.98	0.16%	96.15%
43.0	46.694	3.797	2319.777	0.13%	96.31%
44.0	40.176	3.279	2323.056	0.12%	96.45%
45.0	35.684	2.915	2325.971	0.10%	96.57%
46.0	32.590	2.670	2328.641	0.09%	96.68%
47.0	30.410	2.506	2331.147	0.09%	96.78%
48.0	28.852	2.396	2333.543	0.08%	96.88%
49.0	27.462	2.313	2335.855	0.08%	96.98%
50.0	26.657	2.256	2338.112	0.08%	97.07%
51.0	26.035	2.229	2340.341	0.08%	97.16%
52.0	25.662	2.218	2342.559	0.08%	97.26%
53.0	25.465	2.224	2344.783	0.08%	97.35%
54.0	25.428	2.243	2347.026	0.08%	97.44%
55.0	25.472	2.272	2349.299	0.08%	97.53%
56.0	25.589	2.307	2351.606	0.08%	97.63%
57.0	25.669	2.344	2353.95	0.08%	97.73%
58.0	25.677	2.374	2356.324	0.08%	97.83%
59.0	25.494	2.392	2358.716	0.08%	97.93%
60.0	25.040	2.387	2361.104	0.08%	98.03%
61.0	24.382	2.359	2363.462	0.08%	98.12%
62.0	23.431	2.304	2365.766	0.08%	98.22%
63.0	22.246	2.222	2367.988	0.08%	98.31%
64.0	20.885	2.116	2370.104	0.07%	98.40%
65.0	19.437	1.996	2372.099	0.07%	98.48%
66.0	18.135	1.875	2373.974	0.07%	98.56%
67.0	17.250	1.779	2375.753	0.06%	98.63%
68.0	16.562	1.713	2377.466	0.06%	98.70%
69.0	16.086	1.666	2379.132	0.06%	98.77%
70.0	15.786	1.637	2380.769	0.06%	98.84%
71.0	15.582	1.621	2382.39	0.06%	98.91%
72.0	15.274	1.604	2383.994	0.06%	98.98%
73.0	15.099	1.588	2385.583	0.06%	99.04%
74.0	15.004	1.583	2387.165	0.06%	99.11%
75.0	14.843	1.577	2388.742	0.06%	99.17%

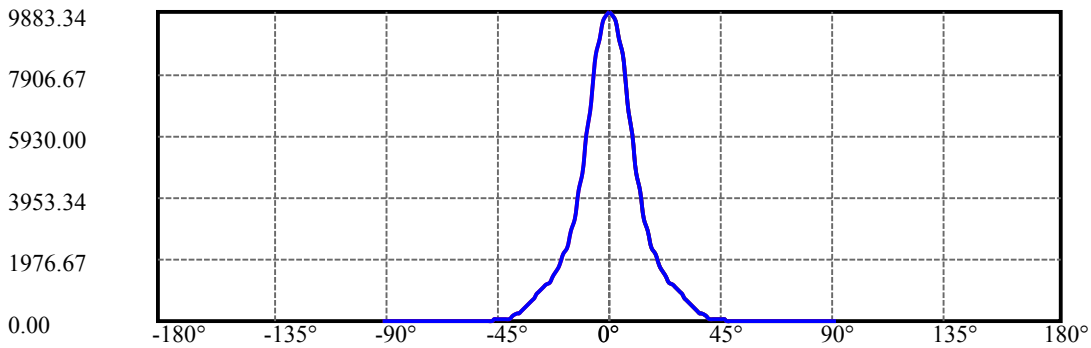
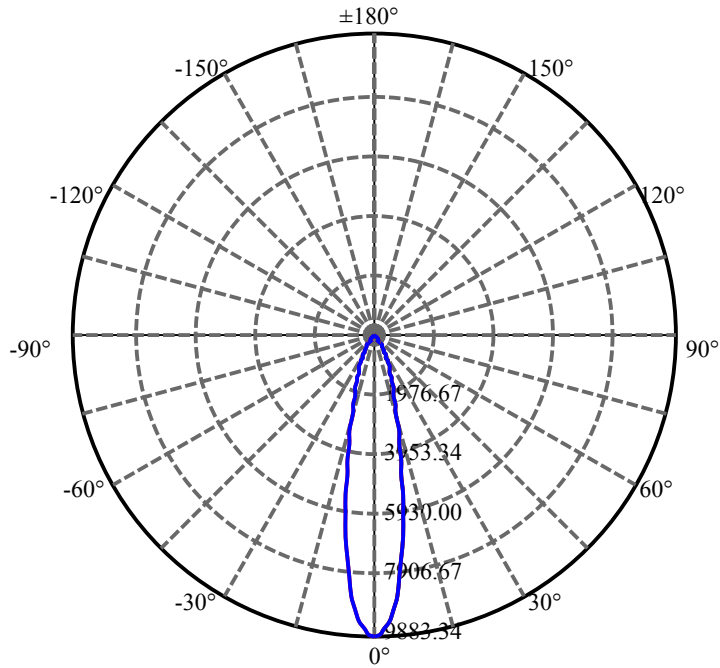
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.675	1.567	2390.309	0.05%	99.24%
77.0	14.345	1.547	2391.856	0.05%	99.30%
78.0	13.987	1.517	2393.373	0.05%	99.36%
79.0	13.526	1.478	2394.851	0.05%	99.43%
80.0	13.043	1.432	2396.283	0.05%	99.49%
81.0	12.516	1.382	2397.666	0.05%	99.54%
82.0	12.100	1.335	2399.001	0.05%	99.60%
83.0	11.814	1.300	2400.301	0.05%	99.65%
84.0	11.573	1.274	2401.575	0.04%	99.71%
85.0	11.309	1.249	2402.823	0.04%	99.76%
86.0	10.995	1.219	2404.043	0.04%	99.81%
87.0	10.790	1.192	2405.235	0.04%	99.86%
88.0	10.578	1.171	2406.405	0.04%	99.91%
89.0	10.322	1.146	2407.551	0.04%	99.95%
90.0	10.176	1.124	2408.675	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2085.92	73.19%	86.60%
0-40	2305.66	80.90%	95.72%
0-60	2361.10	82.85%	98.03%
0-90	2407.55	84.48%	99.95%
0-120	2407.55	84.48%	99.95%
0-180	2408.67	84.51%	100.00%
60-90	46.45	1.63%	1.93%
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%
0-26.61	1926.94	67.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	706.89
10-20	833.36
20-30	545.67
30-40	219.75
40-50	32.45
50-60	22.99
60-70	19.66
70-80	15.51
80-90	11.27
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: —————

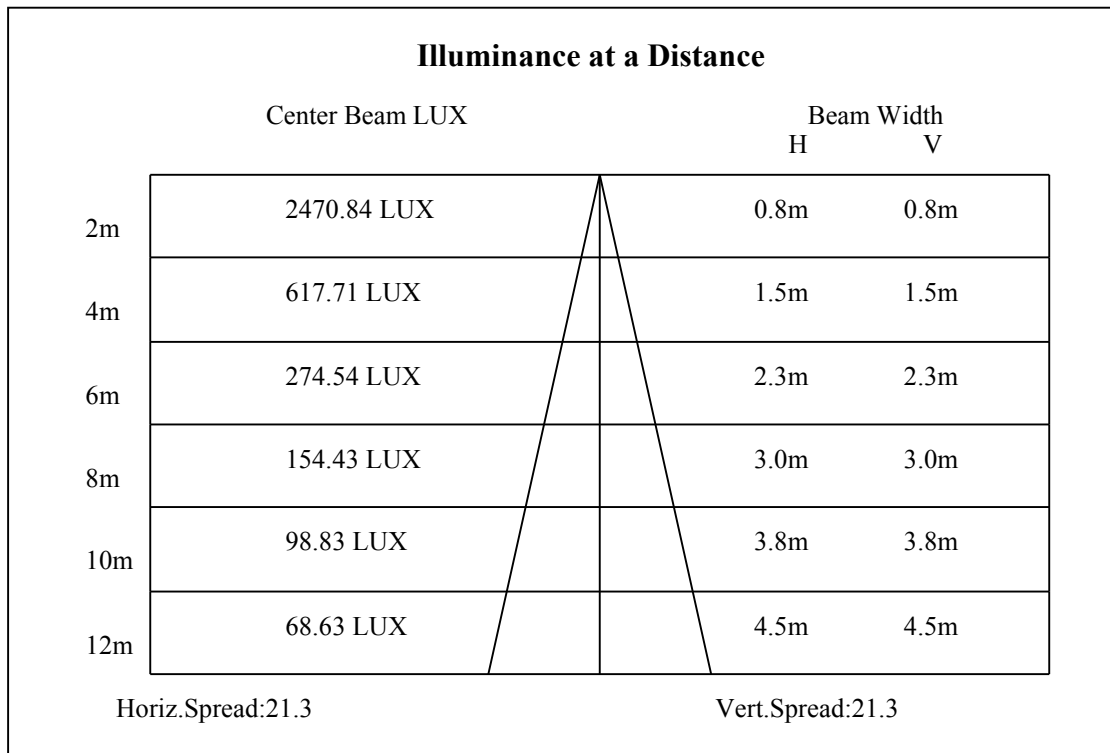
C90/C270: —————

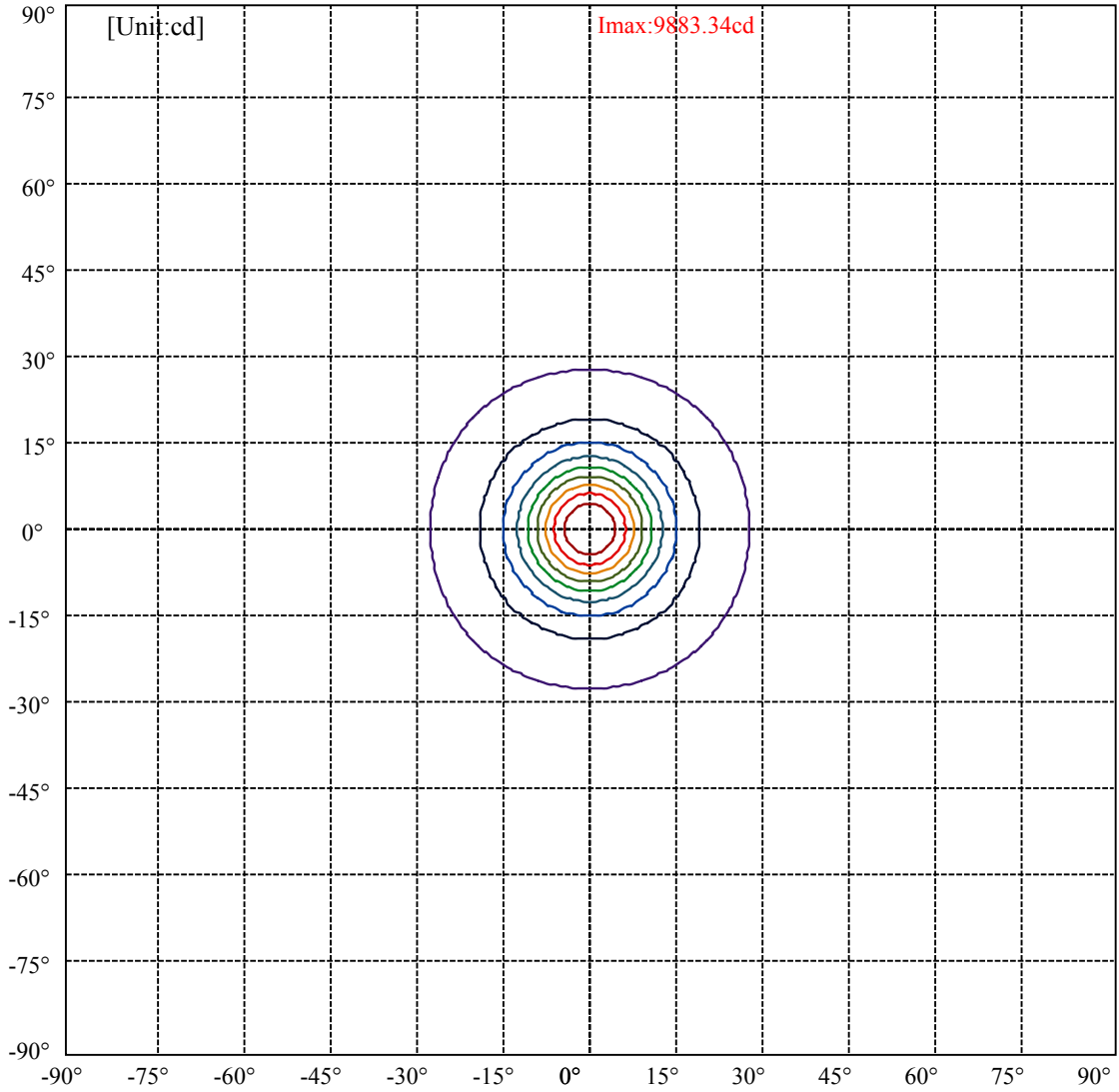
Field angle(10%Imax):C0/180Left:27.3 Right:27.3

:C90/270Left:27.3 Right:27.3

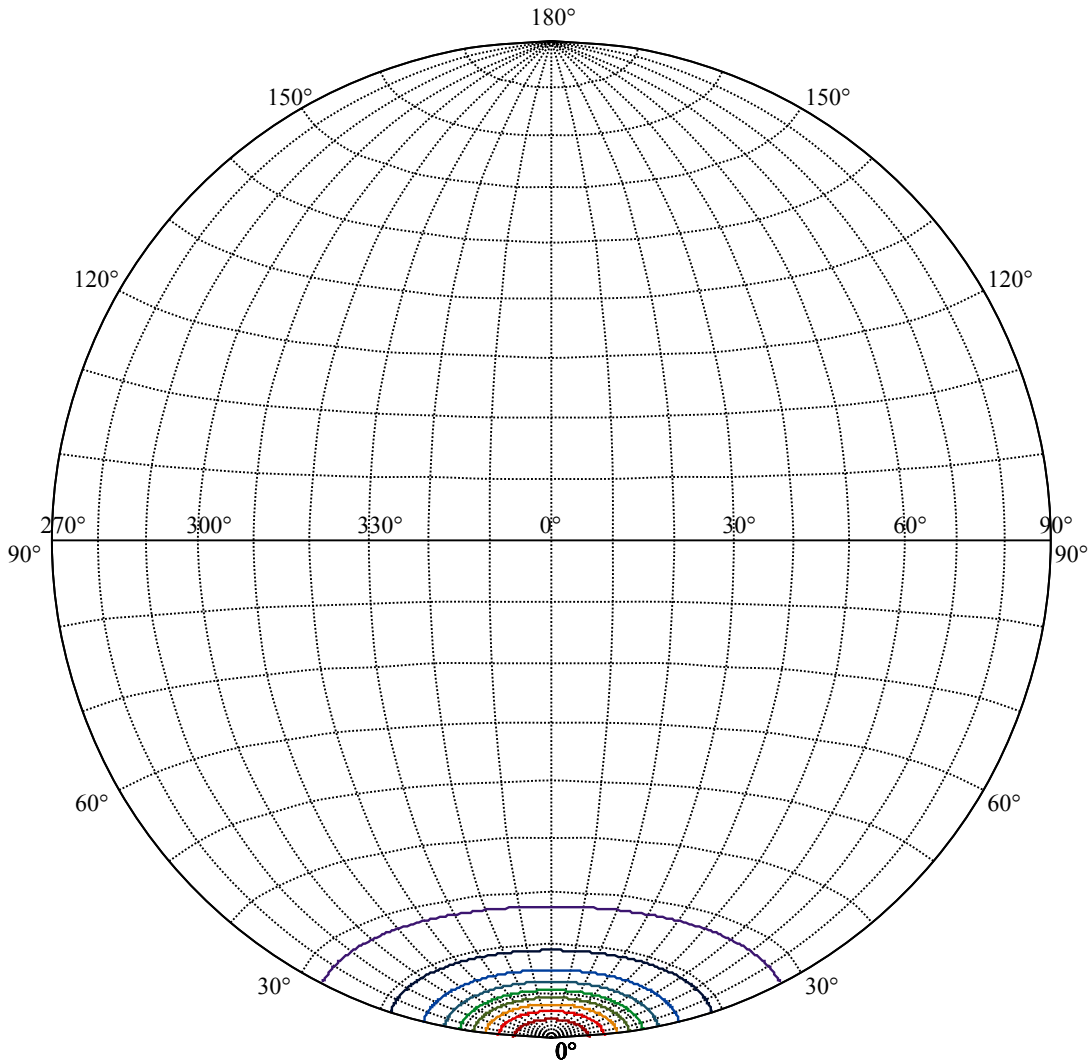
Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6

:C90/270Left:10.6 Right:10.6





(10%Imax) 988.334	—
(20%Imax) 1976.67	—
(30%Imax) 2965	—
(40%Imax) 3953.34	—
(50%Imax) 4941.67	—
(60%Imax) 5930	—
(70%Imax) 6918.34	—
(80%Imax) 7906.67	—
(90%Imax) 8895.01	—



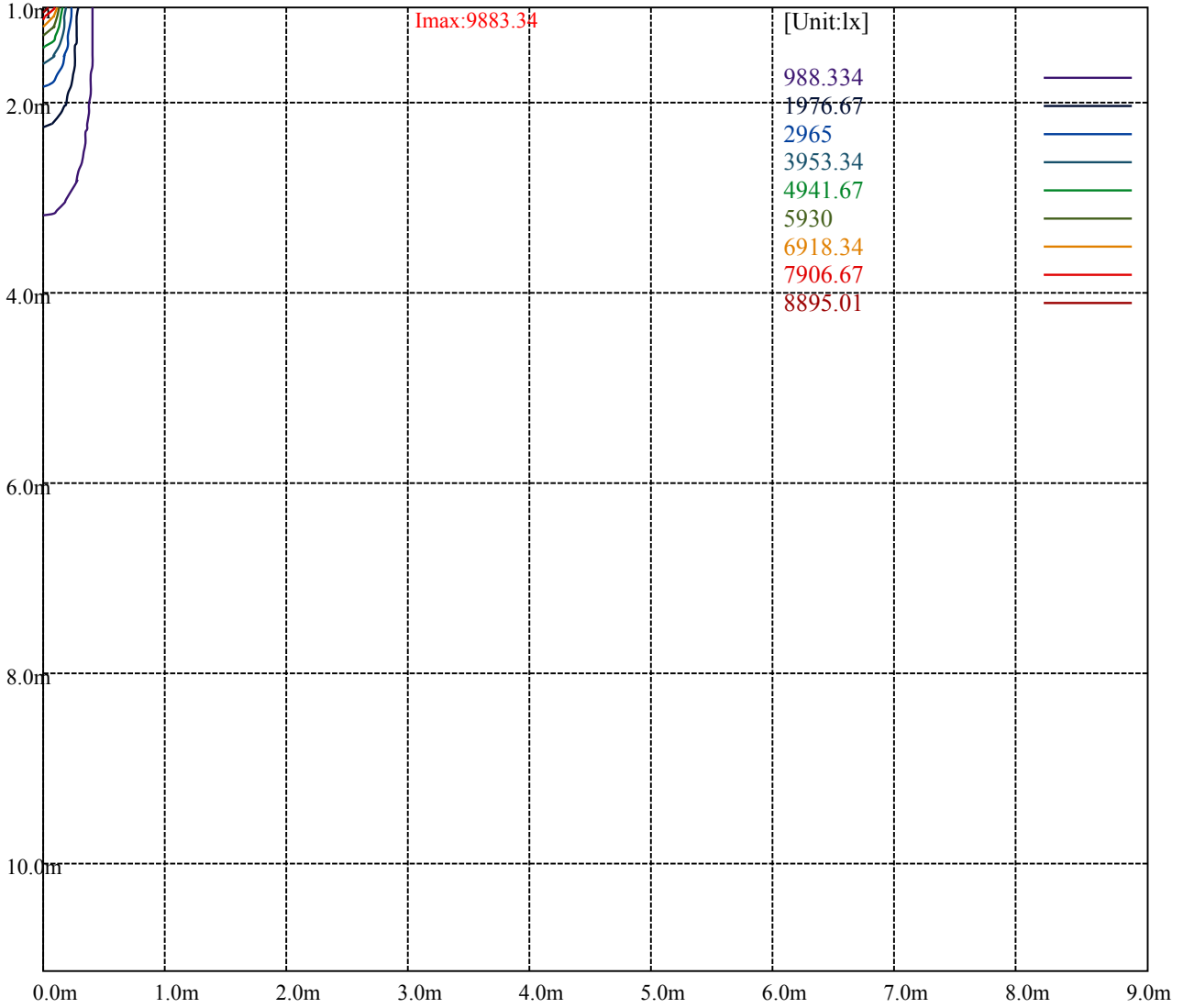
House

[Unit:cd]

Road

Imax:9883.34

(10%Imax) 988.334	—
(20%Imax) 1976.67	—
(30%Imax) 2965	—
(40%Imax) 3953.34	—
(50%Imax) 4941.67	—
(60%Imax) 5930	—
(70%Imax) 6918.34	—
(80%Imax) 7906.67	—
(90%Imax) 8895.01	—



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

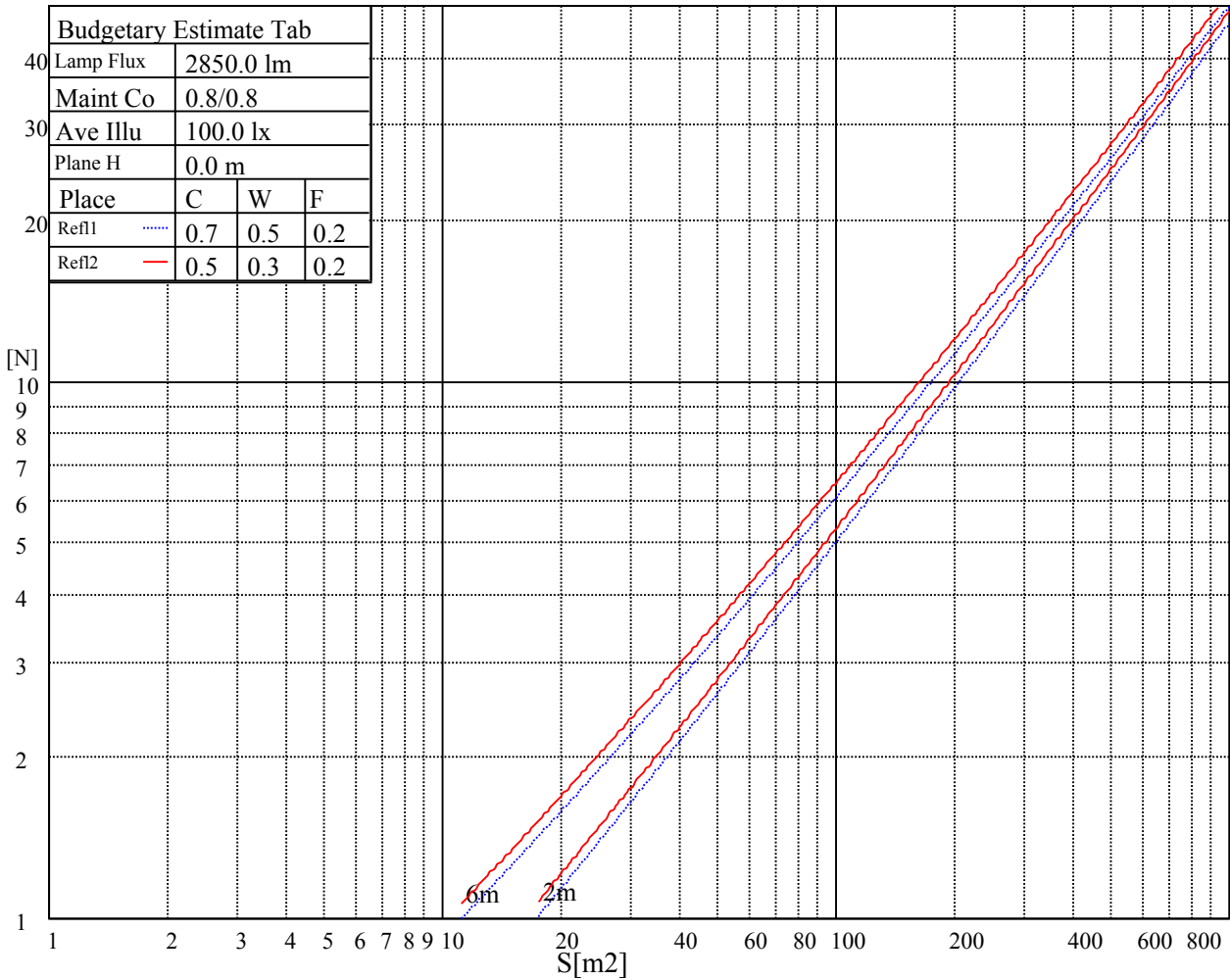
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

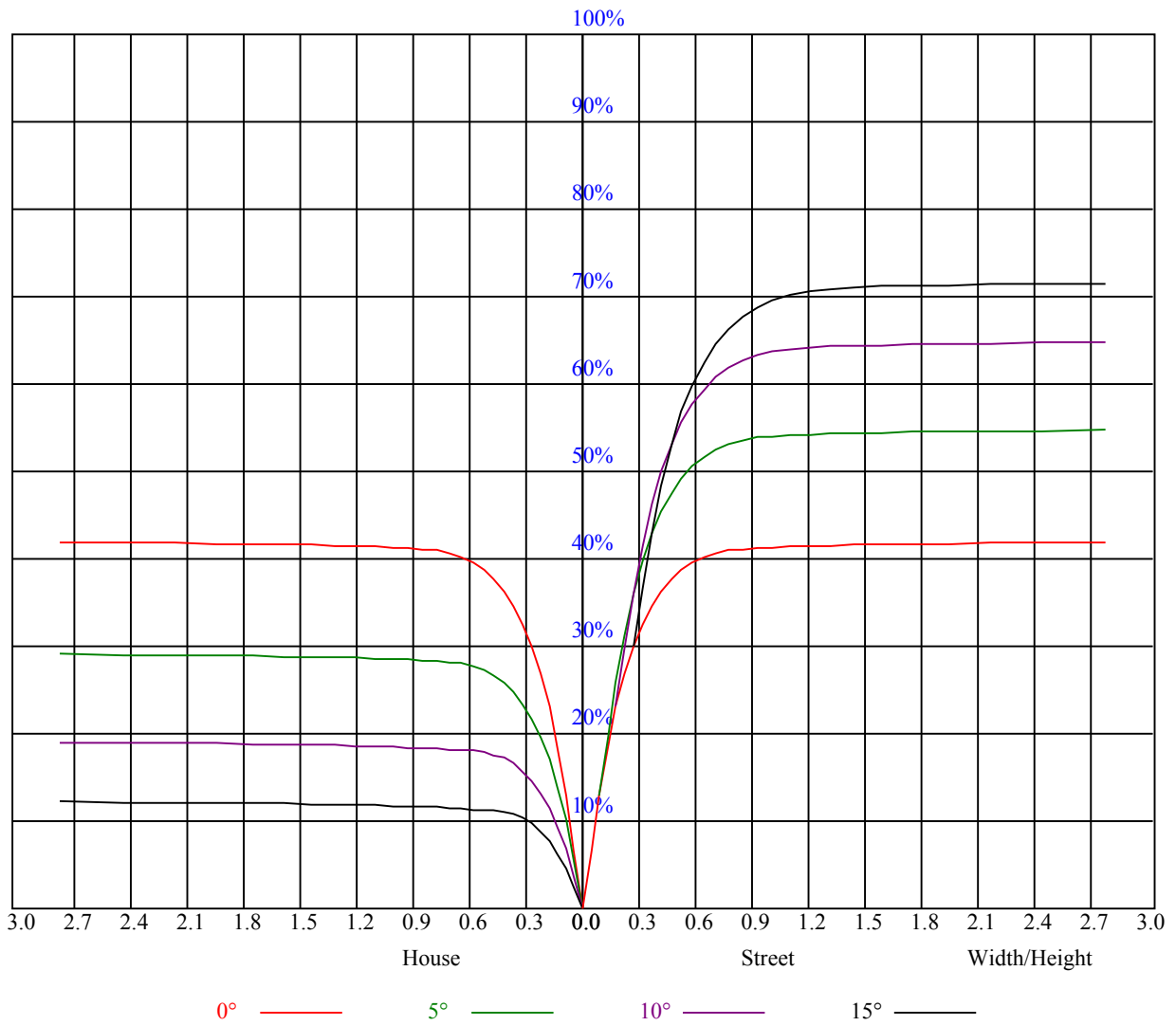


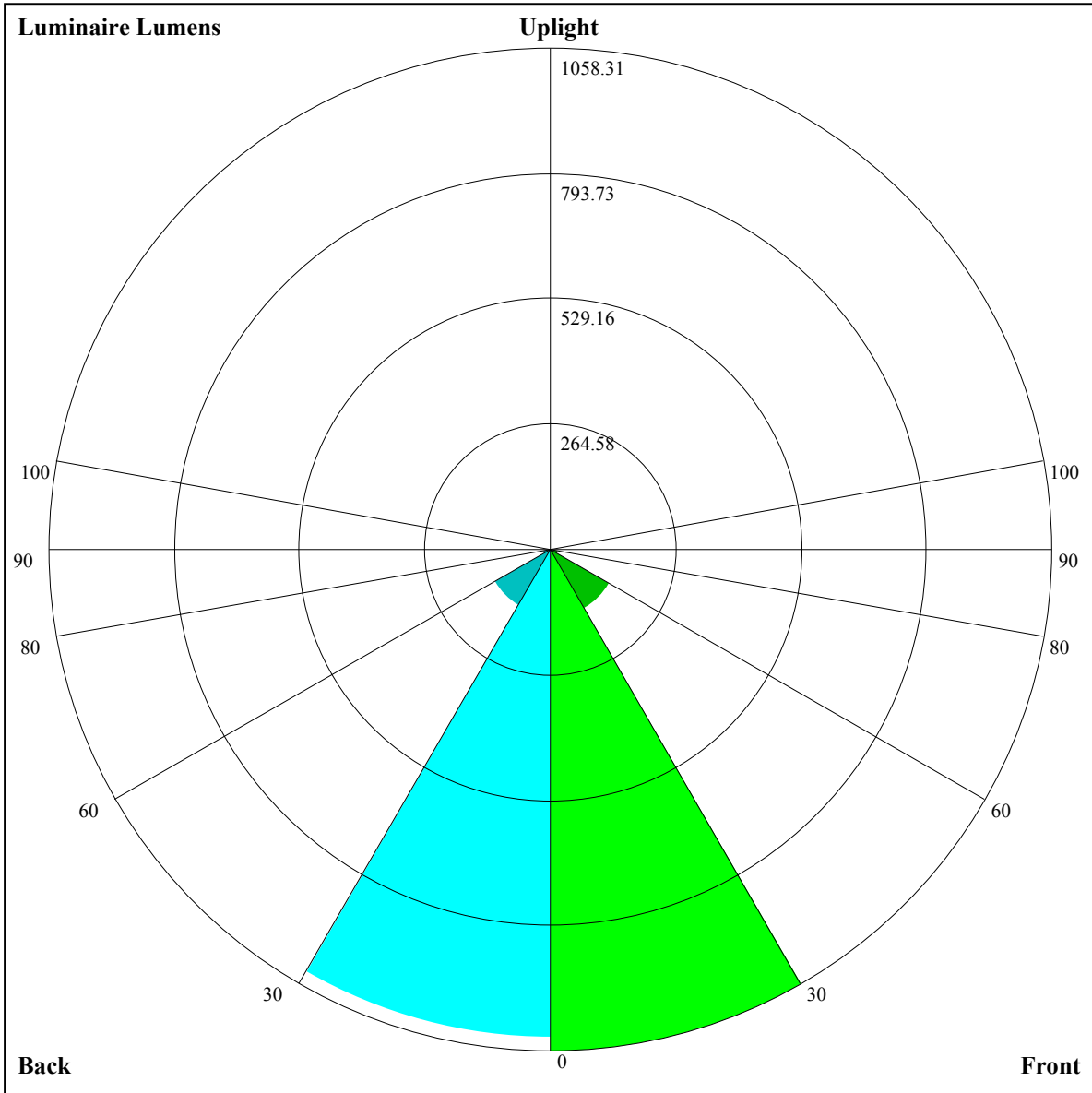
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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 RHOF=20 CU															
0	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.76	0.79	0.77	0.75	0.77	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.60
9	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.61	0.58	0.56	0.56





Luminaire Lumens:

FL=1058.31,FM=142.3,FH=17.88,FVH=6.24

BL=1030.08,BM=135.33,BH=17.51,BVH=6.18

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	9899.14	9841.79	9645.74	9397.02	9033.59	8457.14	7932.78	7361.60	6745.36
45.0	9867.54	9888.02	9824.23	9669.73	9345.52	8970.97	8509.82	7856.70	7261.53
90.0	9872.80	9773.90	9515.82	9194.53	8783.12	8302.06	7597.45	6962.48	6307.61
135.0	9893.87	9881.00	9745.23	9525.18	9108.50	8676.02	8151.07	7399.06	6749.46
180.0	9899.14	9867.54	9707.77	9454.37	9105.57	8571.26	8031.10	7401.40	6576.82
225.0	9867.54	9715.38	9490.07	9161.17	8747.42	8111.28	7502.06	6672.21	6000.96
270.0	9872.80	9890.95	9820.13	9605.94	9321.52	8939.96	8350.05	7796.43	7189.55
315.0	9893.87	9814.28	9588.97	9320.35	8944.05	8473.53	7779.45	7170.82	6540.53
360.0	9899.14	9841.79	9645.74	9397.02	9033.59	8457.14	7932.78	7361.60	6745.36
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5944.19	5325.02	4750.33	4227.72	3649.52	3265.03	2938.47	2594.36	2360.86
45.0	6635.92	5840.60	5236.07	4680.69	4052.16	3606.80	3231.09	2831.96	2564.51
90.0	5528.09	4939.36	4393.93	3799.34	3394.36	3046.15	2686.83	2441.03	2226.25
135.0	6099.86	5485.37	4763.79	4238.26	3777.10	3375.05	3024.50	2662.25	2414.70
180.0	5919.02	5292.83	4714.05	4182.66	3617.92	3230.50	2833.72	2562.17	2348.57
225.0	5373.59	4653.18	4135.84	3688.73	3301.31	2897.51	2624.79	2387.19	2177.10
270.0	6375.50	5715.95	5105.56	4416.17	3919.90	3493.27	3126.92	2740.08	2501.31
315.0	5732.34	5126.04	4570.67	4069.13	3517.85	3147.40	2831.38	2500.14	2274.24
360.0	5944.19	5325.02	4750.33	4227.72	3649.52	3265.03	2938.47	2594.36	2360.86
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2112.72	1941.84	1788.51	1655.07	1504.09	1399.33	1153.36	1153.36	1109.70
45.0	2339.20	2143.15	1931.89	1780.31	1647.47	1527.50	1393.48	1297.50	1208.55
90.0	2041.32	1835.91	1694.87	1570.22	1429.76	1264.14	1151.14	1151.14	1050.89
135.0	2158.95	1981.63	1820.69	1649.22	1526.91	1418.06	1298.09	1209.72	1127.20
180.0	2085.22	1916.09	1767.44	1601.82	1477.17	1370.66	1281.70	1176.95	1094.43
225.0	1951.20	1793.19	1653.90	1502.92	1397.58	1166.94	1166.94	1105.08	1026.78
270.0	2271.90	2066.49	1862.24	1721.79	1550.90	1440.30	1346.08	1234.88	1151.20
315.0	2030.20	1864.59	1717.69	1585.43	1470.73	1346.08	1150.55	1150.55	1090.10
360.0	2112.72	1941.84	1788.51	1655.07	1504.09	1399.33	1153.36	1153.36	1109.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1031.58	948.83	868.18	762.08	675.47	569.01	486.50	408.02	321.64
45.0	1100.87	1014.25	911.25	827.57	742.71	656.68	550.76	467.07	393.91
90.0	971.36	865.84	782.04	696.53	589.73	506.80	427.45	356.17	278.22
135.0	1044.10	940.52	857.41	773.14	687.70	582.94	501.01	426.10	341.24
180.0	1011.91	931.74	828.74	740.37	628.00	543.73	460.63	371.09	305.55
225.0	927.64	843.89	757.34	670.20	564.10	481.58	407.49	339.25	263.82
270.0	1069.26	973.29	893.70	808.25	719.30	609.86	526.18	445.41	374.02
315.0	992.83	914.94	832.42	727.32	640.94	556.08	453.08	381.57	301.22
360.0	1031.58	948.83	868.18	762.08	675.47	569.01	486.50	408.02	321.64
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	260.48	207.17	150.99	115.70	89.36	69.99	53.67	45.00	39.09
45.0	327.78	296.77	296.77	154.03	120.21	88.72	70.58	57.47	46.41
90.0	223.44	176.80	138.23	101.19	80.29	64.90	51.56	44.13	39.03
135.0	309.64	309.64	161.87	125.36	97.67	73.45	59.99	50.33	43.31
180.0	305.55	234.09	140.63	109.55	85.62	68.12	53.31	45.18	39.56
225.0	210.45	165.15	120.03	92.70	68.30	55.54	46.53	39.03	35.05
270.0	309.06	309.06	182.53	132.73	102.00	78.77	59.22	48.92	41.96
315.0	242.81	191.54	148.00	113.36	81.00	63.56	51.68	43.48	36.99
360.0	260.48	207.17	150.99	115.70	89.36	69.99	53.67	45.00	39.09

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	35.00	31.54	29.50	28.03	26.63	25.75	25.16	24.81	24.76
45.0	40.50	36.28	32.60	30.49	28.50	27.45	26.57	26.04	25.57
90.0	34.70	32.25	30.49	28.91	27.92	27.27	26.80	26.51	26.34
135.0	37.57	34.53	32.25	30.49	28.91	28.03	27.27	26.80	26.63
180.0	35.52	32.13	30.26	28.79	27.39	26.57	25.93	25.57	25.40
225.0	32.30	30.26	28.38	27.33	26.45	25.93	25.46	25.34	25.16
270.0	36.28	33.12	30.90	29.20	27.56	26.63	25.93	25.46	25.16
315.0	33.59	30.61	28.91	27.56	26.34	25.63	25.16	24.76	24.70
360.0	35.00	31.54	29.50	28.03	26.63	25.75	25.16	24.81	24.76
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.64	24.87	24.99	25.16	25.22	25.16	24.81	24.29	23.23
45.0	25.52	25.46	25.57	25.69	25.98	25.93	25.75	25.28	24.70
90.0	26.39	26.39	26.51	26.45	26.34	25.87	25.22	24.17	23.06
135.0	26.45	26.45	26.39	26.51	26.45	26.22	25.75	24.99	24.11
180.0	25.22	25.28	25.34	25.40	25.28	25.11	24.58	24.05	22.94
225.0	25.40	25.34	25.63	25.52	25.46	25.11	24.46	23.58	22.59
270.0	25.05	25.05	25.22	25.34	25.40	25.28	25.11	24.58	23.70
315.0	24.76	24.93	25.05	25.28	25.28	25.28	24.64	24.11	23.12
360.0	24.64	24.87	24.99	25.16	25.22	25.16	24.81	24.29	23.23
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.12	20.89	19.25	18.08	17.15	16.27	15.74	15.33	15.04
45.0	23.41	22.30	20.95	19.31	18.14	17.32	16.68	16.09	15.68
90.0	21.89	20.13	18.96	17.91	17.67	17.91	18.08	18.90	19.66
135.0	23.00	21.71	20.01	18.67	17.56	16.68	16.09	15.51	15.16
180.0	21.89	20.60	18.90	17.67	16.80	15.92	15.45	15.04	14.63
225.0	21.30	19.61	18.26	17.32	16.56	15.86	15.39	14.98	14.69
270.0	22.71	21.54	20.19	18.61	17.50	16.68	15.92	15.45	15.16
315.0	21.65	20.31	18.96	17.50	16.62	15.86	15.33	14.98	14.63
360.0	22.12	20.89	19.25	18.08	17.15	16.27	15.74	15.33	15.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.81	15.04	15.10	15.22	15.04	14.81	14.51	13.99	13.17
45.0	15.45	15.74	16.39	16.74	16.91	16.68	16.27	15.33	14.75
90.0	19.31	18.49	18.02	16.91	16.39	15.63	14.92	14.40	13.64
135.0	14.81	14.46	14.10	13.87	13.69	13.46	13.17	12.93	12.76
180.0	14.28	14.10	14.05	14.05	13.93	13.69	13.40	12.82	12.47
225.0	14.51	14.57	14.57	14.63	14.57	14.10	13.64	13.17	12.52
270.0	14.75	14.40	14.05	13.81	13.58	13.34	13.11	12.93	12.70
315.0	14.28	13.99	13.75	13.52	13.28	13.05	12.87	12.64	12.35
360.0	14.81	15.04	15.10	15.22	15.04	14.81	14.51	13.99	13.17
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.41	12.00	11.76	11.53	11.29	11.06	10.89	10.71	10.53
45.0	13.64	12.70	12.17	11.88	11.53	11.29	11.00	10.71	10.48
90.0	12.70	12.00	11.76	11.47	11.29	10.94	10.77	10.53	10.18
135.0	12.47	12.23	11.94	11.70	11.47	11.00	10.83	10.53	10.30
180.0	12.17	11.94	11.70	11.53	11.24	10.94	10.77	10.59	10.30
225.0	12.11	11.88	11.65	11.41	11.06	10.83	10.65	10.48	10.18
270.0	12.47	12.17	11.88	11.65	11.41	11.00	10.77	10.59	10.42
315.0	12.17	11.88	11.65	11.41	11.18	10.89	10.65	10.48	10.18
360.0	12.41	12.00	11.76	11.53	11.29	11.06	10.89	10.71	10.53

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.30
45.0	10.18
90.0	10.18
135.0	10.12
180.0	10.18
225.0	10.18
270.0	10.12
315.0	10.12
360.0	10.30