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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.411.00

Report No: 2024407-B016

Ballast type: AC

Test No: 2024407-C016

Voltage(V): 34.880

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2388.0

Power (W): 13.986

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1997.64, Efficiency(%): 83.65% , Luminous Efficacy(lm/W): 142.83

Central intensity(cd): 4525.750, Maximum intensity(cd): 4525.750

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.8

[C90/270]Total=36.8

Field angle(10%Imax): [C0/180]Total=64.4

[C90/270]Total=64.4

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.65%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.071%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
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	4525.750	0.000	0	0.00%	0.00%
1.0	4516.825	4.327	4.327	0.18%	0.22%
2.0	4492.026	12.930	17.257	0.54%	0.86%
3.0	4452.816	21.393	38.65	0.90%	1.93%
4.0	4396.196	29.620	68.271	1.24%	3.42%
5.0	4325.895	37.522	105.793	1.57%	5.30%
6.0	4242.501	45.029	150.822	1.89%	7.55%
7.0	4142.354	52.045	202.866	2.18%	10.16%
8.0	4023.773	58.443	261.31	2.45%	13.08%
9.0	3902.193	64.236	325.546	2.69%	16.30%
10.0	3741.621	69.174	394.719	2.90%	19.76%
11.0	3597.876	73.337	468.056	3.07%	23.43%
12.0	3433.720	76.865	544.921	3.22%	27.28%
13.0	3262.468	79.467	624.388	3.33%	31.26%
14.0	3089.608	81.306	705.694	3.40%	35.33%
15.0	2913.309	82.411	788.105	3.45%	39.45%
16.0	2734.815	82.761	870.866	3.47%	43.59%
17.0	2536.277	82.085	952.951	3.44%	47.70%
18.0	2349.517	80.556	1033.507	3.37%	51.74%
19.0	2148.200	78.251	1111.758	3.28%	55.65%
20.0	1962.098	75.230	1186.988	3.15%	59.42%
21.0	1772.778	71.717	1258.705	3.00%	63.01%
22.0	1591.285	67.602	1326.307	2.83%	66.39%
23.0	1398.198	62.727	1389.035	2.63%	69.53%
24.0	1237.502	57.626	1446.661	2.41%	72.42%
25.0	1154.963	54.399	1501.06	2.28%	75.14%
26.0	1050.472	52.060	1553.12	2.18%	77.75%
27.0	943.887	48.792	1601.912	2.04%	80.19%
28.0	843.170	45.245	1647.157	1.89%	82.46%
29.0	739.973	41.420	1688.576	1.73%	84.53%
30.0	644.720	37.386	1725.963	1.57%	86.40%
31.0	553.118	33.334	1759.297	1.40%	88.07%
32.0	469.570	29.299	1788.595	1.23%	89.54%
33.0	397.339	25.539	1814.135	1.07%	90.81%
34.0	325.707	21.881	1836.016	0.92%	91.91%
35.0	274.083	18.627	1854.644	0.78%	92.84%
36.0	220.571	15.750	1870.394	0.66%	93.63%
37.0	154.902	12.246	1882.639	0.51%	94.24%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	104.009	8.642	1891.281	0.36%	94.68%
39.0	80.951	6.313	1897.595	0.26%	94.99%
40.0	70.520	5.283	1902.877	0.22%	95.26%
41.0	63.665	4.778	1907.656	0.20%	95.50%
42.0	58.164	4.426	1912.082	0.19%	95.72%
43.0	52.875	4.113	1916.195	0.17%	95.92%
44.0	48.625	3.831	1920.026	0.16%	96.11%
45.0	44.887	3.594	1923.62	0.15%	96.29%
46.0	41.280	3.370	1926.99	0.14%	96.46%
47.0	38.230	3.162	1930.152	0.13%	96.62%
48.0	35.274	2.971	1933.123	0.12%	96.77%
49.0	32.875	2.799	1935.922	0.12%	96.91%
50.0	30.541	2.644	1938.566	0.11%	97.04%
51.0	28.588	2.502	1941.068	0.10%	97.17%
52.0	26.716	2.373	1943.441	0.10%	97.29%
53.0	25.106	2.254	1945.695	0.09%	97.40%
54.0	23.636	2.148	1947.843	0.09%	97.51%
55.0	22.356	2.053	1949.896	0.09%	97.61%
56.0	21.302	1.973	1951.869	0.08%	97.71%
57.0	20.256	1.900	1953.769	0.08%	97.80%
58.0	19.393	1.834	1955.603	0.08%	97.90%
59.0	18.625	1.777	1957.38	0.07%	97.98%
60.0	17.915	1.726	1959.106	0.07%	98.07%
61.0	17.352	1.683	1960.789	0.07%	98.16%
62.0	16.818	1.647	1962.436	0.07%	98.24%
63.0	16.299	1.611	1964.047	0.07%	98.32%
64.0	15.852	1.578	1965.624	0.07%	98.40%
65.0	15.421	1.548	1967.172	0.06%	98.47%
66.0	15.033	1.519	1968.691	0.06%	98.55%
67.0	14.653	1.493	1970.184	0.06%	98.63%
68.0	14.323	1.468	1971.652	0.06%	98.70%
69.0	14.060	1.448	1973.1	0.06%	98.77%
70.0	13.863	1.434	1974.534	0.06%	98.84%
71.0	13.628	1.421	1975.955	0.06%	98.91%
72.0	13.307	1.401	1977.355	0.06%	98.98%
73.0	12.955	1.373	1978.729	0.06%	99.05%
74.0	12.568	1.342	1980.07	0.06%	99.12%
75.0	12.253	1.311	1981.382	0.05%	99.19%

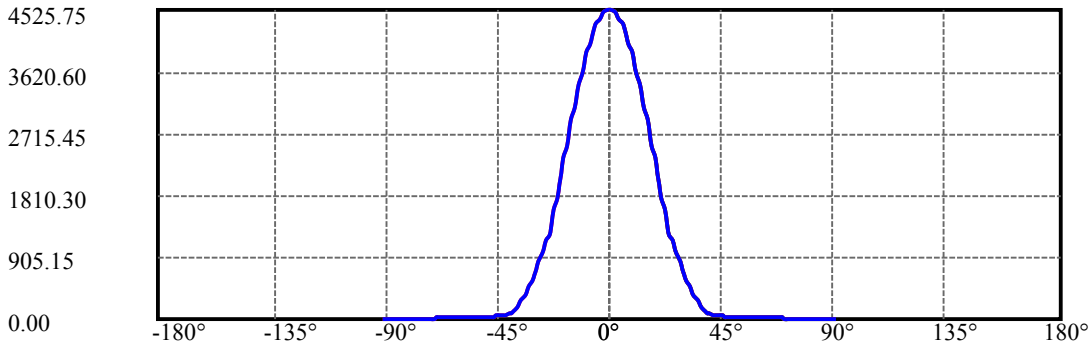
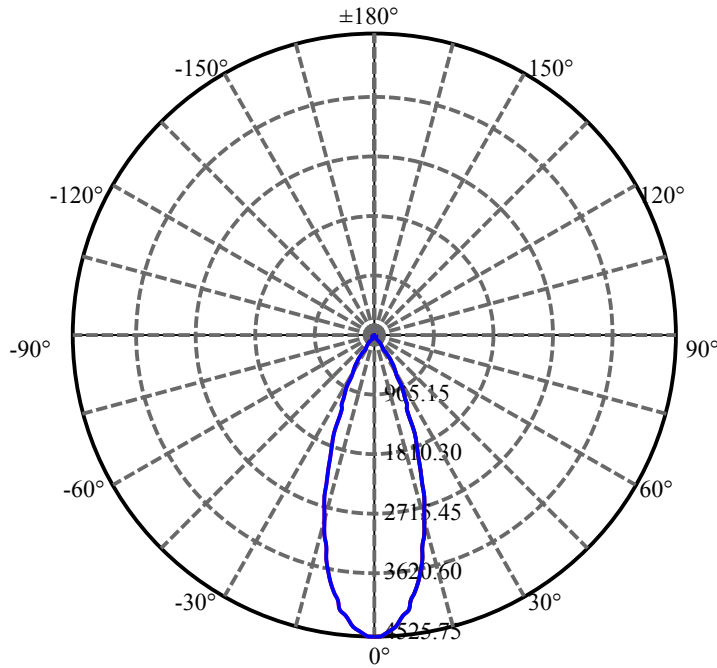
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.865	1.280	1982.662	0.05%	99.25%
77.0	11.573	1.250	1983.912	0.05%	99.31%
78.0	11.222	1.220	1985.132	0.05%	99.37%
79.0	10.907	1.189	1986.321	0.05%	99.43%
80.0	10.571	1.158	1987.479	0.05%	99.49%
81.0	10.241	1.125	1988.604	0.05%	99.55%
82.0	9.949	1.095	1989.699	0.05%	99.60%
83.0	9.678	1.067	1990.766	0.04%	99.66%
84.0	9.429	1.041	1991.807	0.04%	99.71%
85.0	9.239	1.019	1992.826	0.04%	99.76%
86.0	9.005	0.997	1993.823	0.04%	99.81%
87.0	8.844	0.977	1994.8	0.04%	99.86%
88.0	8.683	0.960	1995.76	0.04%	99.91%
89.0	8.552	0.945	1996.705	0.04%	99.95%
90.0	8.544	0.937	1997.642	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1725.96	72.28%	86.40%
0-40	1902.88	79.68%	95.26%
0-60	1959.11	82.04%	98.07%
0-90	1996.70	83.61%	99.95%
0-120	1996.70	83.61%	99.95%
0-180	1997.64	83.65%	100.00%
60-90	37.60	1.57%	1.88%
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%
0-26.92	1598.11	66.92%	80.00%

ZONAL LUMEN SUMMARY

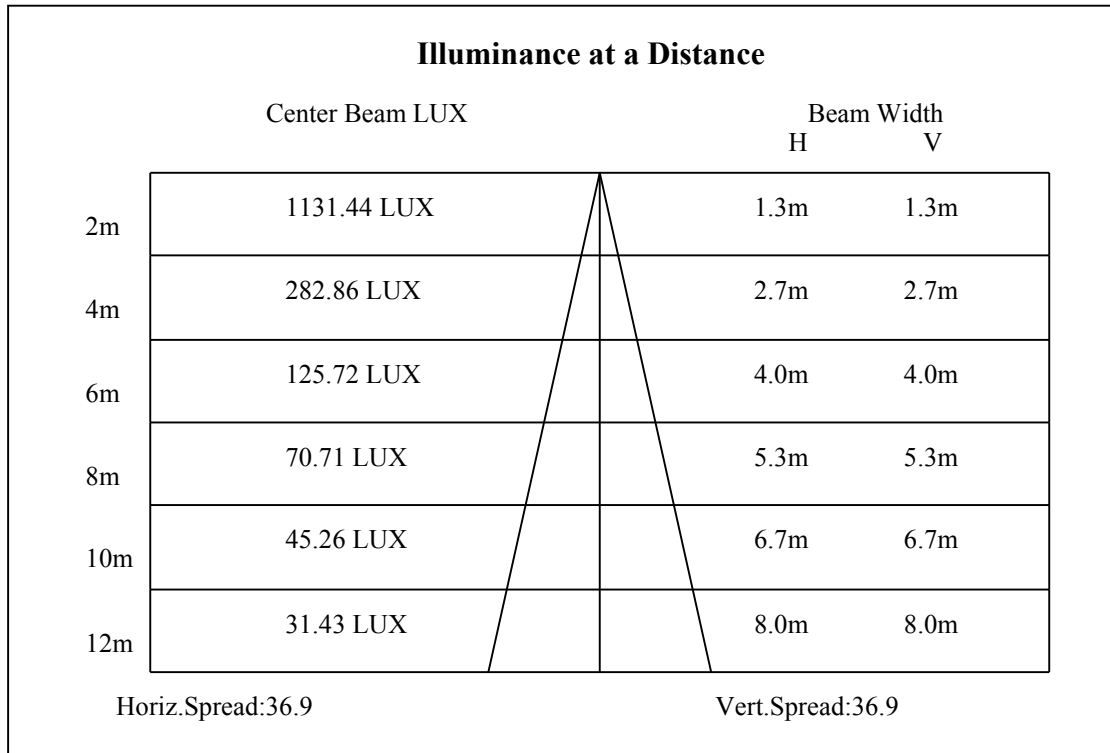
0-10	394.72
10-20	792.27
20-30	538.97
30-40	176.91
40-50	35.69
50-60	20.54
60-70	15.43
70-80	12.95
80-90	9.23
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

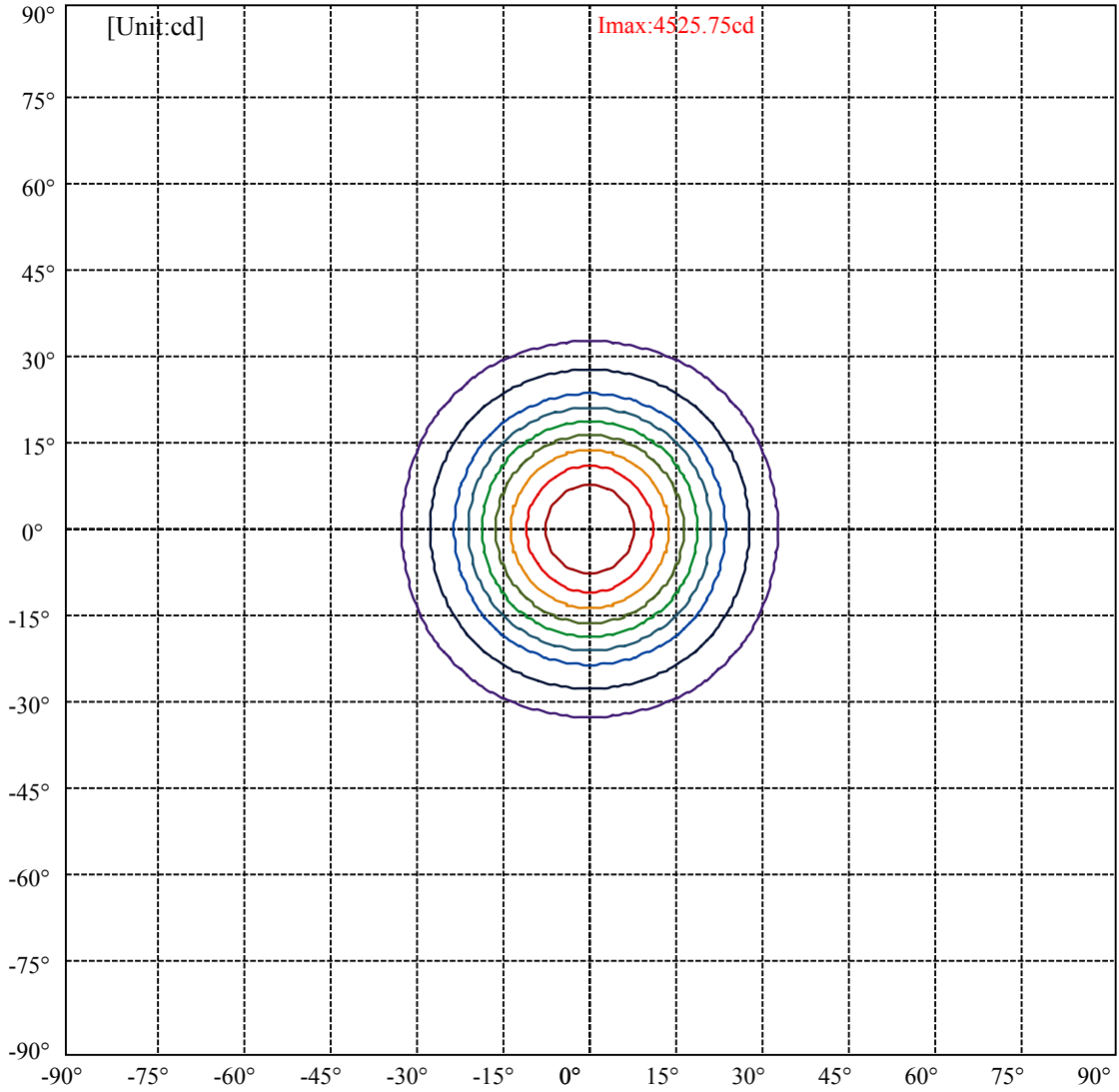


C0(Max): —————
C0/C180: —————
C90/C270: —————

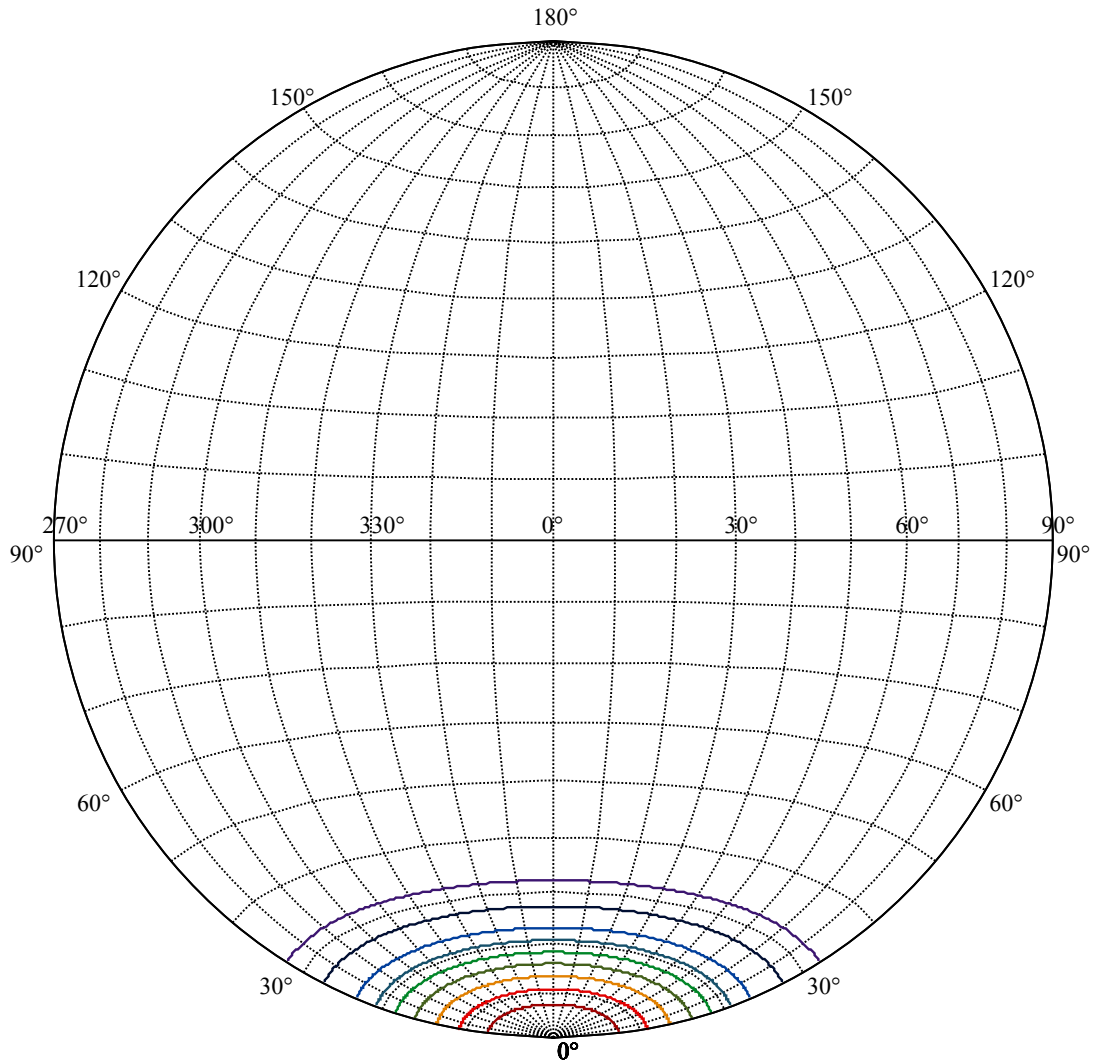
Field angle(10%Imax):C0/180Left:32.2 Right:32.2
:C90/270Left:32.2 Right:32.2

Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4





(10%Imax) 452.575	—
(20%Imax) 905.15	—
(30%Imax) 1357.72	—
(40%Imax) 1810.3	—
(50%Imax) 2262.87	—
(60%Imax) 2715.45	—
(70%Imax) 3168.02	—
(80%Imax) 3620.6	—
(90%Imax) 4073.17	—



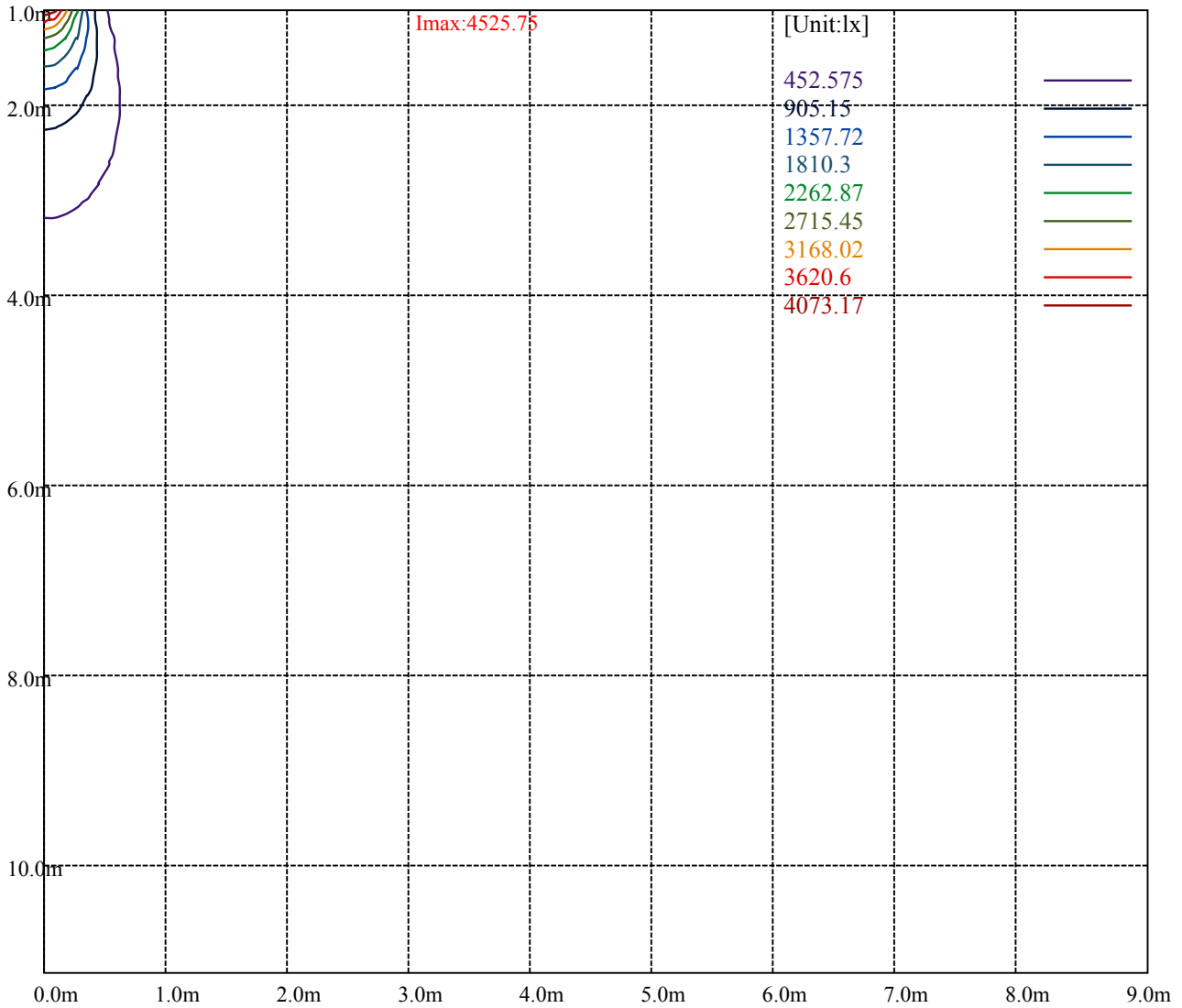
House

[Unit:cd]

Road

Imax:4525.75

(10%Imax)	452.575	—
(20%Imax)	905.15	—
(30%Imax)	1357.72	—
(40%Imax)	1810.3	—
(50%Imax)	2262.87	—
(60%Imax)	2715.45	—
(70%Imax)	3168.02	—
(80%Imax)	3620.6	—
(90%Imax)	4073.17	—



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

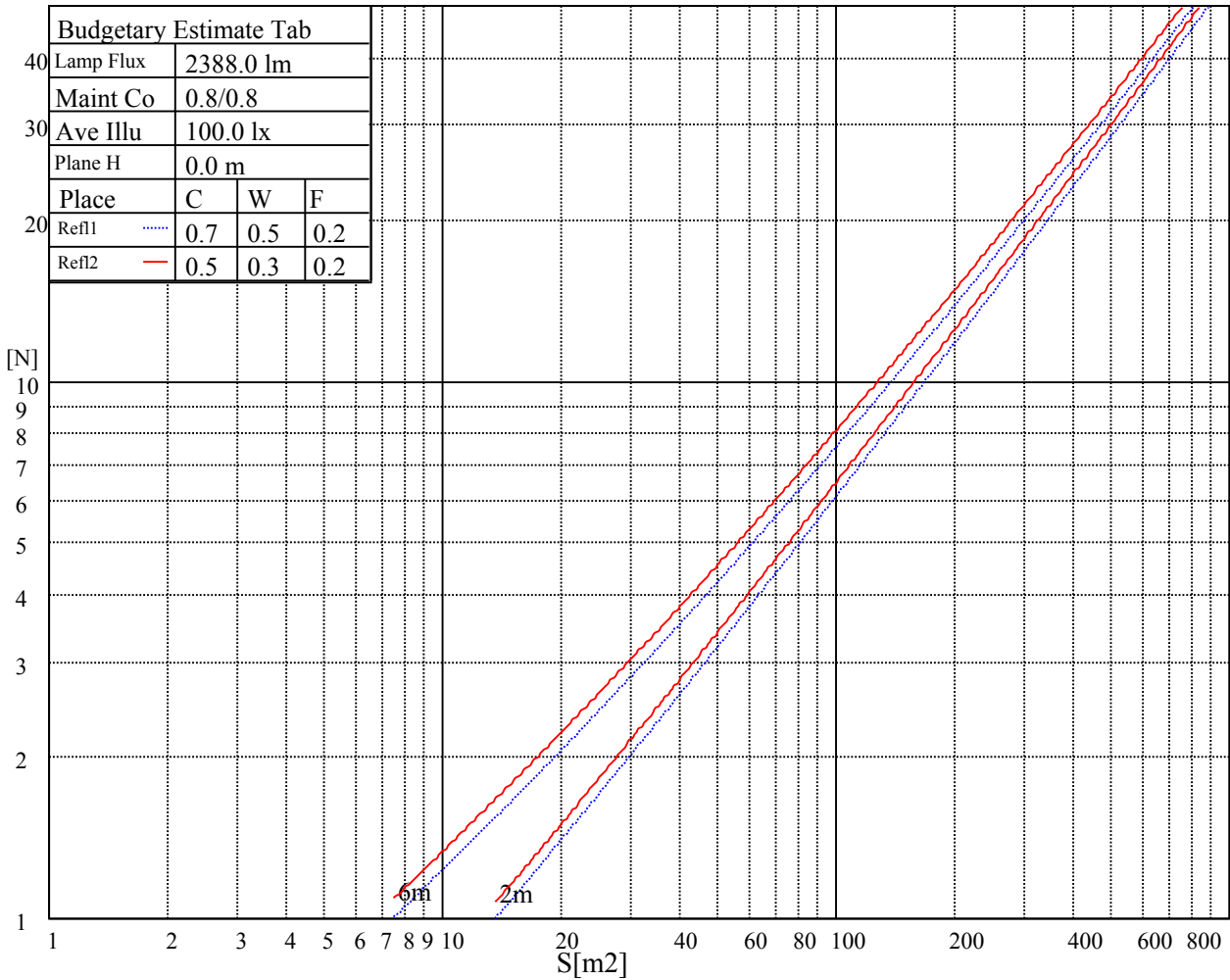
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

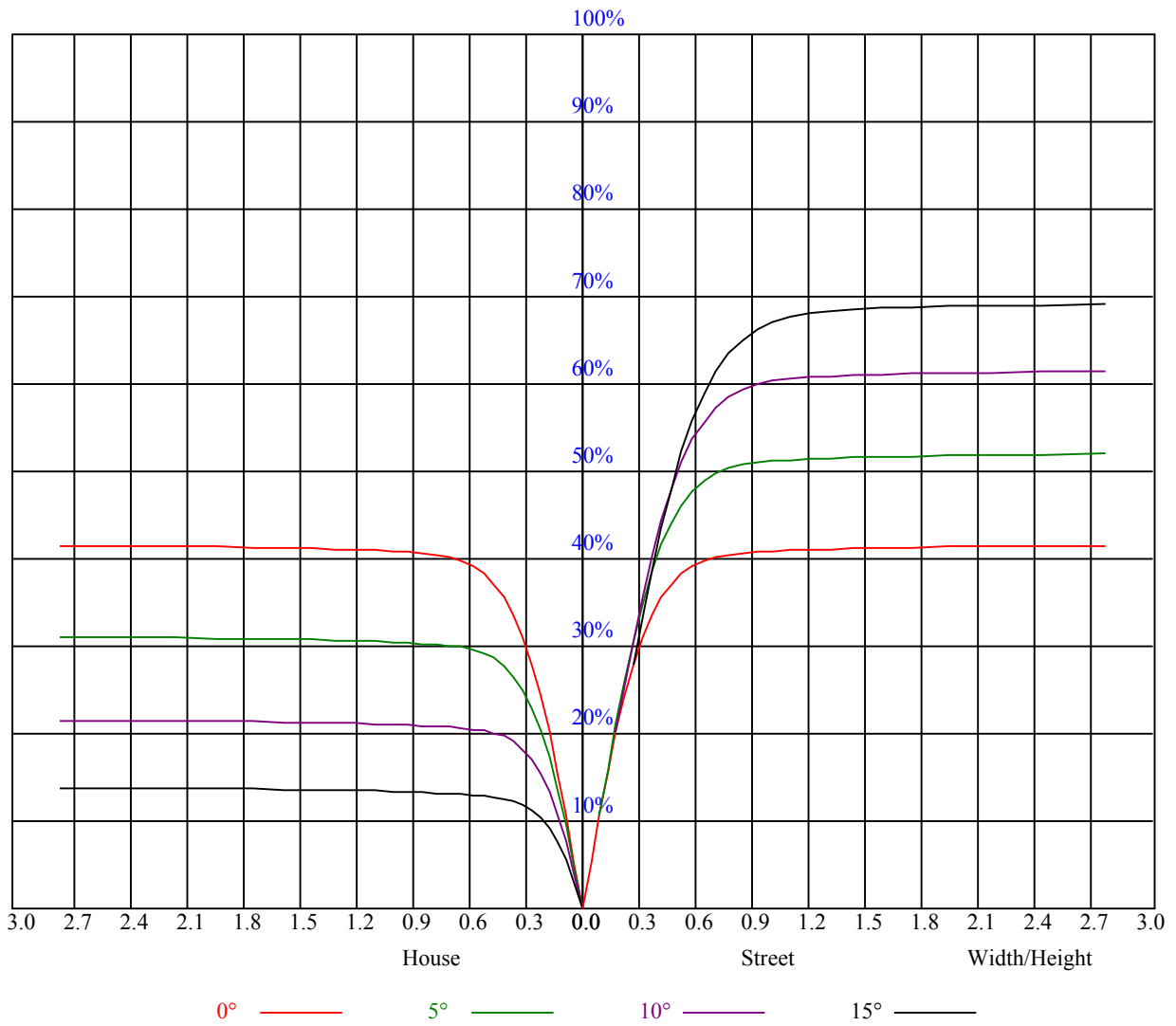


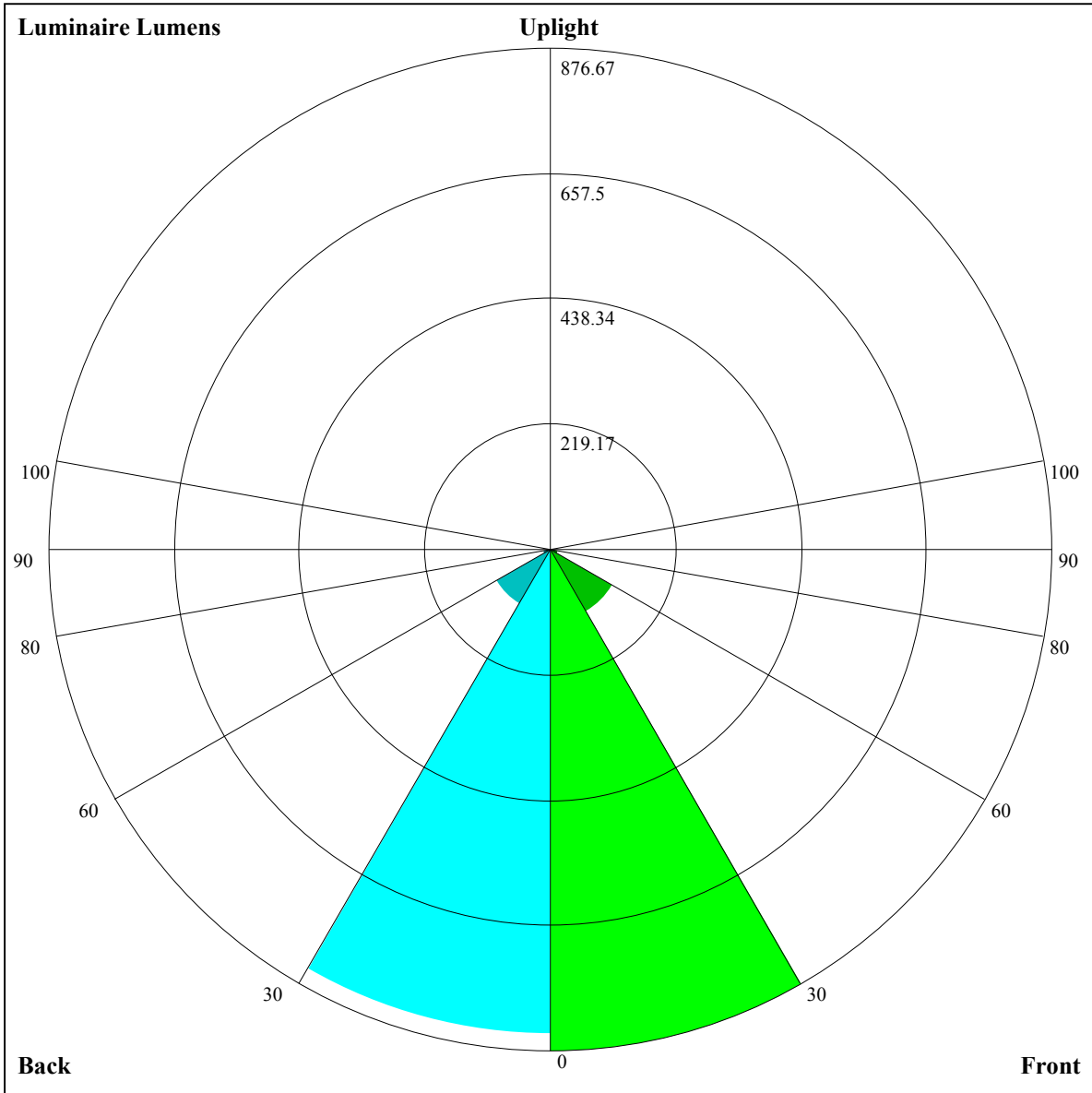
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.79	0.77	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51





Luminaire Lumens:

FL=876.67,FM=124.05,FH=14.13,FVH=5.11

BL=847.43,BM=111.43,BH=14.09,BVH=5.07

UL=0,UH=0

BUG Rating:B2-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	4527.36	4521.51	4498.10	4468.84	4412.07	4338.33	4271.03	4153.99	4053.91
45.0	4523.26	4527.36	4511.56	4495.17	4453.04	4383.98	4320.19	4244.70	4121.80
90.0	4525.60	4503.95	4477.03	4411.48	4347.11	4275.13	4172.13	4067.37	3950.91
135.0	4526.77	4523.85	4515.65	4457.72	4409.14	4338.92	4268.69	4152.82	4043.38
180.0	4527.36	4519.75	4492.25	4451.28	4383.39	4311.41	4220.12	4107.75	3992.46
225.0	4523.26	4498.68	4452.45	4404.46	4340.67	4266.35	4149.89	4041.04	3914.04
270.0	4525.60	4523.85	4508.63	4487.56	4432.55	4382.22	4307.90	4231.24	4112.43
315.0	4526.77	4515.65	4480.54	4446.01	4391.59	4310.83	4230.06	4139.94	4001.24
360.0	4527.36	4521.51	4498.10	4468.84	4412.07	4338.33	4271.03	4153.99	4053.91
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3938.62	3774.17	3637.23	3492.68	3298.39	3142.72	2976.51	2802.12	2580.90
45.0	4023.48	3896.49	3735.55	3592.75	3446.45	3295.46	3093.56	2926.77	2757.64
90.0	3823.33	3646.01	3502.04	3345.79	3147.40	2984.12	2818.50	2642.93	2421.72
135.0	3916.97	3761.88	3621.43	3437.67	3286.68	3119.89	2958.96	2743.01	2563.34
180.0	3866.05	3696.34	3555.30	3407.82	3210.02	3043.23	2873.51	2703.21	2482.00
225.0	3774.76	3598.02	3447.03	3253.91	3090.05	2920.92	2707.89	2529.99	2347.98
270.0	3998.90	3860.79	3727.94	3532.48	3376.81	3169.05	3001.68	2829.04	2614.84
315.0	3875.42	3699.27	3556.47	3406.65	3243.96	3041.47	2875.85	2701.46	2521.79
360.0	3938.62	3774.17	3637.23	3492.68	3298.39	3142.72	2976.51	2802.12	2580.90
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2403.58	2220.99	2043.08	1821.28	1652.15	1495.31	1142.18	1142.18	1090.63
45.0	2581.49	2357.93	2181.78	2000.94	1780.90	1610.60	1419.23	1285.80	1167.00
90.0	2244.98	2022.60	1842.35	1673.80	1470.14	1155.59	1155.59	1106.08	1010.80
135.0	2384.27	2205.77	1981.63	1806.65	1633.42	1475.41	1302.18	1184.55	1052.29
180.0	2295.90	2099.85	1917.26	1705.40	1540.96	1389.38	1225.52	1118.42	1002.55
225.0	2157.78	1928.96	1749.88	1580.75	1425.08	1148.27	1148.27	1048.96	930.62
270.0	2432.84	2236.20	2048.35	1835.32	1665.61	1491.21	1357.20	1203.87	1098.53
315.0	2295.31	2113.31	1932.47	1758.07	1562.02	1419.81	1149.85	1149.85	1051.36
360.0	2403.58	2220.99	2043.08	1821.28	1652.15	1495.31	1142.18	1142.18	1090.63
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	970.83	877.66	787.54	677.75	592.95	511.19	433.89	342.24	273.07
45.0	1061.66	969.19	854.49	759.68	670.14	567.73	492.23	421.42	354.12
90.0	891.82	793.92	698.99	612.56	516.52	446.35	378.52	298.23	238.42
135.0	956.32	856.24	733.35	644.39	562.46	467.65	399.18	332.47	301.45
180.0	904.82	811.18	721.06	613.37	526.18	440.73	369.34	298.52	298.52
225.0	830.02	731.94	615.77	531.79	454.95	367.17	301.33	240.41	184.93
270.0	1003.72	873.80	776.65	677.75	564.22	495.16	412.64	347.10	295.01
315.0	931.91	831.43	731.94	640.47	537.53	460.57	391.57	325.27	247.14
360.0	970.83	877.66	787.54	677.75	592.95	511.19	433.89	342.24	273.07
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.08	151.05	112.42	87.55	74.56	68.59	62.91	56.77	52.55
45.0	304.96	304.96	154.73	102.47	81.00	70.17	64.43	59.17	53.43
90.0	168.19	120.91	86.55	67.65	62.09	57.06	52.03	46.99	43.48
135.0	301.45	138.93	99.37	77.13	68.30	61.33	56.24	50.62	46.82
180.0	165.27	119.85	86.91	72.10	66.07	59.17	54.07	48.92	45.18
225.0	125.53	94.28	76.49	69.23	62.15	57.00	52.61	47.52	44.01
270.0	295.01	168.19	116.40	90.12	76.43	70.11	62.62	57.29	53.02
315.0	191.08	141.04	99.20	81.35	73.56	65.90	60.40	55.71	50.50
360.0	213.08	151.05	112.42	87.55	74.56	68.59	62.91	56.77	52.55

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	48.57	45.00	41.08	38.39	35.82	32.95	30.90	29.09	27.33
45.0	49.45	45.76	42.43	38.74	36.11	33.65	31.49	29.03	27.33
90.0	40.32	37.40	34.18	31.89	29.85	27.56	25.93	24.46	22.88
135.0	43.37	39.44	36.64	34.18	31.43	29.44	27.56	25.98	24.23
180.0	41.90	38.16	35.58	33.18	31.02	28.62	26.92	25.34	23.94
225.0	40.79	37.16	34.65	31.84	29.73	27.86	26.22	24.35	23.06
270.0	47.87	43.95	40.97	37.16	34.65	32.19	29.61	27.74	25.98
315.0	46.82	43.37	40.32	36.81	34.41	32.07	30.08	27.74	26.10
360.0	48.57	45.00	41.08	38.39	35.82	32.95	30.90	29.09	27.33
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.46	24.11	22.94	21.59	20.66	19.61	18.90	18.20	17.73
45.0	25.75	24.05	22.88	21.77	20.54	19.72	18.90	18.14	17.50
90.0	21.71	20.48	19.61	18.79	18.14	17.50	16.85	16.39	15.98
135.0	22.94	21.83	20.89	19.78	19.02	18.20	17.56	17.09	16.50
180.0	22.41	21.36	20.42	19.43	18.73	18.08	17.44	16.97	16.50
225.0	21.89	20.95	19.84	19.08	18.38	17.79	17.09	16.62	16.09
270.0	24.17	22.94	21.83	20.83	19.72	18.96	18.26	17.67	17.03
315.0	24.76	23.12	22.00	20.78	19.96	19.14	18.32	17.73	17.21
360.0	25.46	24.11	22.94	21.59	20.66	19.61	18.90	18.20	17.73
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.03	16.56	16.09	15.68	15.16	14.75	14.40	14.05	13.58
45.0	16.91	16.50	15.98	15.57	15.22	14.81	14.34	13.99	13.69
90.0	15.57	15.10	14.81	14.46	14.10	13.75	13.34	12.99	12.76
135.0	16.09	15.74	15.39	14.92	14.63	14.22	13.93	13.58	13.23
180.0	15.98	15.63	15.22	14.92	14.57	14.69	15.27	16.15	16.74
225.0	15.68	15.27	14.81	14.46	14.10	13.75	13.34	12.99	12.70
270.0	16.44	15.92	15.45	15.04	14.57	14.22	13.87	13.52	13.11
315.0	16.68	16.09	15.63	15.22	14.86	14.40	13.99	13.64	13.23
360.0	17.03	16.56	16.09	15.68	15.16	14.75	14.40	14.05	13.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.23	12.87	12.47	12.17	11.76	11.59	11.24	10.94	10.65
45.0	13.23	12.87	12.47	12.17	11.88	11.65	11.24	11.00	10.77
90.0	12.41	12.11	11.88	11.59	11.24	11.06	10.77	10.53	10.30
135.0	12.93	12.64	12.35	12.17	11.88	11.65	11.35	11.06	10.83
180.0	16.62	16.09	15.27	14.81	13.87	13.17	12.52	11.76	10.94
225.0	12.41	12.06	11.76	11.47	11.18	10.89	10.59	10.36	10.12
270.0	12.76	12.47	12.17	11.76	11.53	11.29	10.94	10.71	10.42
315.0	12.87	12.52	12.17	11.88	11.59	11.29	11.12	10.89	10.53
360.0	13.23	12.87	12.47	12.17	11.76	11.59	11.24	10.94	10.65
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.42	10.07	9.77	9.48	9.36	9.19	8.95	8.84	8.60
45.0	10.42	10.18	9.89	9.60	9.42	9.31	9.01	8.78	8.72
90.0	10.01	9.77	9.54	9.36	9.19	8.90	8.78	8.66	8.49
135.0	10.53	10.18	9.83	9.60	9.31	8.95	8.84	8.66	8.60
180.0	10.36	9.89	9.60	9.36	9.13	8.84	8.78	8.60	8.49
225.0	9.89	9.71	9.48	9.19	8.95	8.84	8.66	8.54	8.49
270.0	10.12	9.95	9.66	9.42	9.31	9.07	8.90	8.72	8.54
315.0	10.18	9.83	9.66	9.42	9.25	8.95	8.84	8.66	8.49
360.0	10.42	10.07	9.77	9.48	9.36	9.19	8.95	8.84	8.60

Intensity data(cd)

C/γ(°)	90.0
0.0	8.60
45.0	8.60
90.0	8.54
135.0	8.54
180.0	8.54
225.0	8.54
270.0	8.49
315.0	8.49
360.0	8.60