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NT

Client:

LumCAT: 3-2805-L

Luminaire: 92.70.411.00

Report No: 2024327-B017

Ballast type: AC

Test No: 2024327-C017

Voltage(V): 34.140

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2888.0

Power (W): 19.664

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2480.89, Efficiency(%): 85.90% , Luminous Efficacy(lm/W): 126.16

Central intensity(cd): 10809.460, Maximum intensity(cd): 10809.460

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.2

[C90/270]Total=18.2

Field angle(10%Imax): [C0/180]Total=53.6

[C90/270]Total=53.6

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.38 C90_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.721%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
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	10809.457	0.000	0	0.00%	0.00%
1.0	10704.848	10.294	10.294	0.36%	0.41%
2.0	10376.244	30.258	40.552	1.05%	1.63%
3.0	9868.781	48.419	88.971	1.68%	3.59%
4.0	9193.578	63.808	152.779	2.21%	6.16%
5.0	8467.899	75.979	228.758	2.63%	9.22%
6.0	7684.648	84.886	313.644	2.94%	12.64%
7.0	6868.405	90.331	403.974	3.13%	16.28%
8.0	6103.077	92.834	496.809	3.21%	20.03%
9.0	5454.794	93.670	590.479	3.24%	23.80%
10.0	4850.403	93.258	683.737	3.23%	27.56%
11.0	4391.660	92.347	776.084	3.20%	31.28%
12.0	3998.096	91.712	867.796	3.18%	34.98%
13.0	3655.593	90.830	958.626	3.15%	38.64%
14.0	3341.181	89.558	1048.185	3.10%	42.25%
15.0	3066.418	87.966	1136.151	3.05%	45.80%
16.0	2801.823	85.986	1222.137	2.98%	49.26%
17.0	2573.951	83.715	1305.852	2.90%	52.64%
18.0	2371.024	81.532	1387.384	2.82%	55.92%
19.0	2193.262	79.409	1466.794	2.75%	59.12%
20.0	2017.768	77.074	1543.867	2.67%	62.23%
21.0	1867.877	74.612	1618.479	2.58%	65.24%
22.0	1729.545	72.292	1690.771	2.50%	68.15%
23.0	1565.535	69.140	1759.911	2.39%	70.94%
24.0	1359.595	63.954	1823.865	2.21%	73.52%
25.0	1261.277	59.593	1883.458	2.06%	75.92%
26.0	1163.852	57.245	1940.703	1.98%	78.23%
27.0	1060.911	54.429	1995.132	1.88%	80.42%
28.0	965.753	51.311	2046.443	1.78%	82.49%
29.0	870.968	48.054	2094.497	1.66%	84.43%
30.0	767.669	44.243	2138.74	1.53%	86.21%
31.0	657.829	39.670	2178.409	1.37%	87.81%
32.0	558.261	34.840	2213.249	1.21%	89.21%
33.0	460.199	30.004	2243.253	1.04%	90.42%
34.0	357.711	24.752	2268.005	0.86%	91.42%
35.0	282.400	19.880	2287.885	0.69%	92.22%
36.0	232.042	16.380	2304.265	0.57%	92.88%
37.0	161.800	12.845	2317.11	0.44%	93.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	104.624	8.893	2326.003	0.31%	93.76%
39.0	91.910	6.708	2332.711	0.23%	94.03%
40.0	85.853	6.200	2338.911	0.21%	94.28%
41.0	80.476	5.923	2344.833	0.21%	94.52%
42.0	75.618	5.671	2350.505	0.20%	94.74%
43.0	70.937	5.429	2355.933	0.19%	94.96%
44.0	66.196	5.176	2361.109	0.18%	95.17%
45.0	62.078	4.930	2366.039	0.17%	95.37%
46.0	58.493	4.715	2370.754	0.16%	95.56%
47.0	55.106	4.518	2375.272	0.16%	95.74%
48.0	52.034	4.331	2379.604	0.15%	95.92%
49.0	49.400	4.165	2383.769	0.14%	96.09%
50.0	47.169	4.026	2387.795	0.14%	96.25%
51.0	45.179	3.907	2391.702	0.14%	96.41%
52.0	43.643	3.811	2395.514	0.13%	96.56%
53.0	42.326	3.740	2399.254	0.13%	96.71%
54.0	41.419	3.691	2402.945	0.13%	96.86%
55.0	40.688	3.665	2406.61	0.13%	97.01%
56.0	40.073	3.649	2410.259	0.13%	97.15%
57.0	39.327	3.630	2413.89	0.13%	97.30%
58.0	38.157	3.583	2417.473	0.12%	97.44%
59.0	36.635	3.497	2420.969	0.12%	97.58%
60.0	34.645	3.368	2424.337	0.12%	97.72%
61.0	32.209	3.190	2427.527	0.11%	97.85%
62.0	29.664	2.981	2430.509	0.10%	97.97%
63.0	26.847	2.748	2433.257	0.10%	98.08%
64.0	24.579	2.523	2435.781	0.09%	98.18%
65.0	22.546	2.332	2438.113	0.08%	98.28%
66.0	20.812	2.163	2440.276	0.07%	98.36%
67.0	19.700	2.037	2442.313	0.07%	98.45%
68.0	19.086	1.965	2444.278	0.07%	98.52%
69.0	18.793	1.932	2446.21	0.07%	98.60%
70.0	18.830	1.932	2448.142	0.07%	98.68%
71.0	18.910	1.951	2450.093	0.07%	98.76%
72.0	19.159	1.979	2452.073	0.07%	98.84%
73.0	19.247	2.008	2454.081	0.07%	98.92%
74.0	19.159	2.019	2456.1	0.07%	99.00%
75.0	19.056	2.019	2458.119	0.07%	99.08%

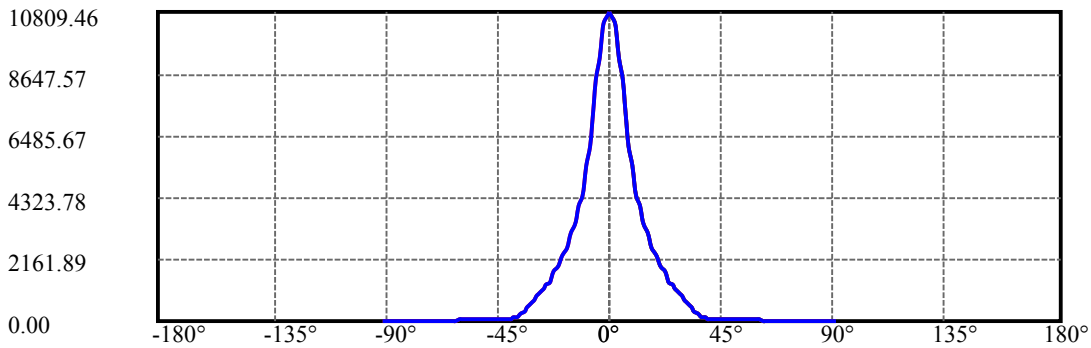
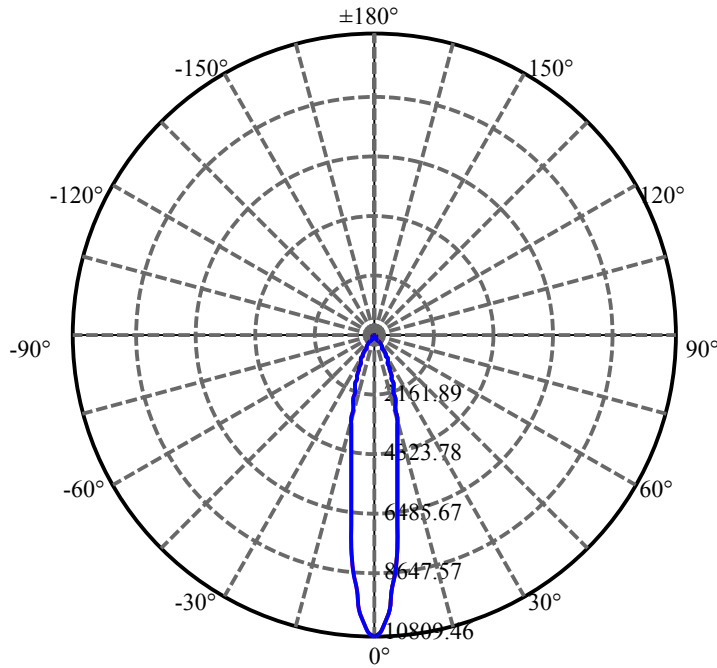
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.625	2.000	2460.119	0.07%	99.16%
77.0	18.171	1.962	2462.081	0.07%	99.24%
78.0	17.659	1.918	2463.999	0.07%	99.32%
79.0	16.950	1.860	2465.859	0.06%	99.39%
80.0	15.991	1.776	2467.635	0.06%	99.47%
81.0	14.755	1.663	2469.297	0.06%	99.53%
82.0	13.658	1.541	2470.838	0.05%	99.59%
83.0	12.685	1.432	2472.27	0.05%	99.65%
84.0	12.004	1.345	2473.615	0.05%	99.71%
85.0	11.624	1.290	2474.905	0.04%	99.76%
86.0	11.222	1.249	2476.153	0.04%	99.81%
87.0	10.936	1.213	2477.366	0.04%	99.86%
88.0	10.754	1.188	2478.554	0.04%	99.91%
89.0	10.622	1.172	2479.726	0.04%	99.95%
90.0	10.556	1.161	2480.887	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2138.74	74.06%	86.21%
0-40	2338.91	80.99%	94.28%
0-60	2424.34	83.95%	97.72%
0-90	2479.73	85.86%	99.95%
0-120	2479.73	85.86%	99.95%
0-180	2480.89	85.90%	100.00%
60-90	55.39	1.92%	2.23%
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%
0-26.81	1984.71	68.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	683.74
10-20	860.13
20-30	594.87
30-40	200.17
40-50	48.88
50-60	36.54
60-70	23.81
70-80	19.49
80-90	12.09
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



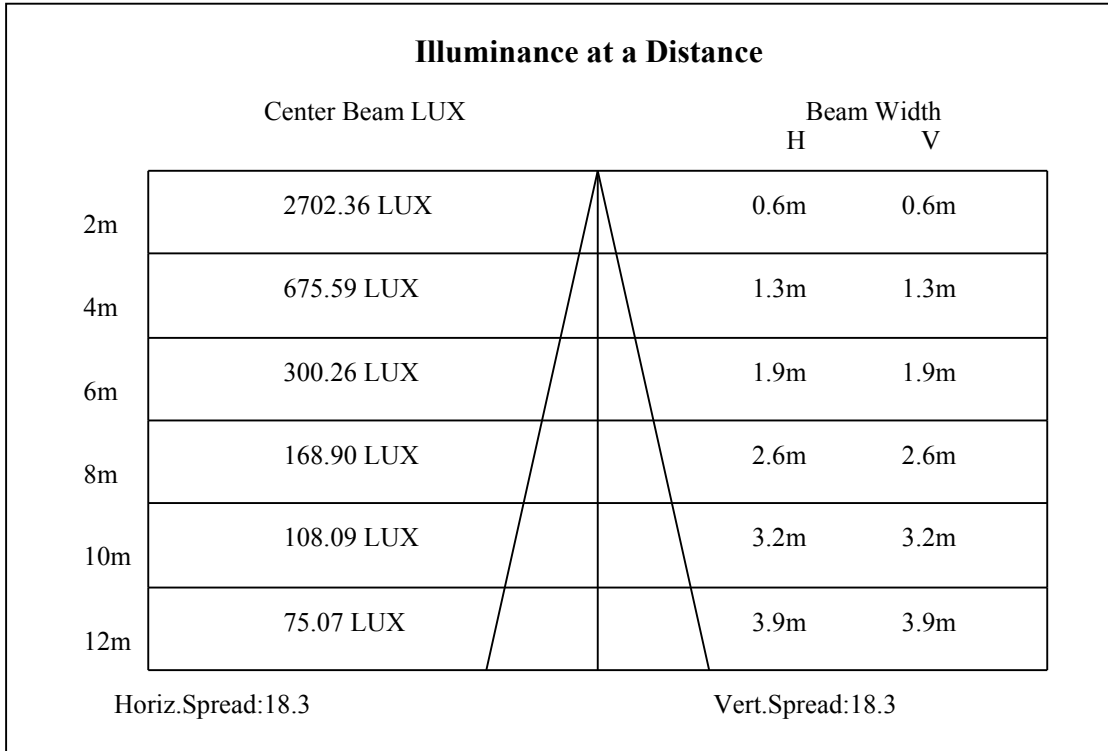
C0(Max): —————

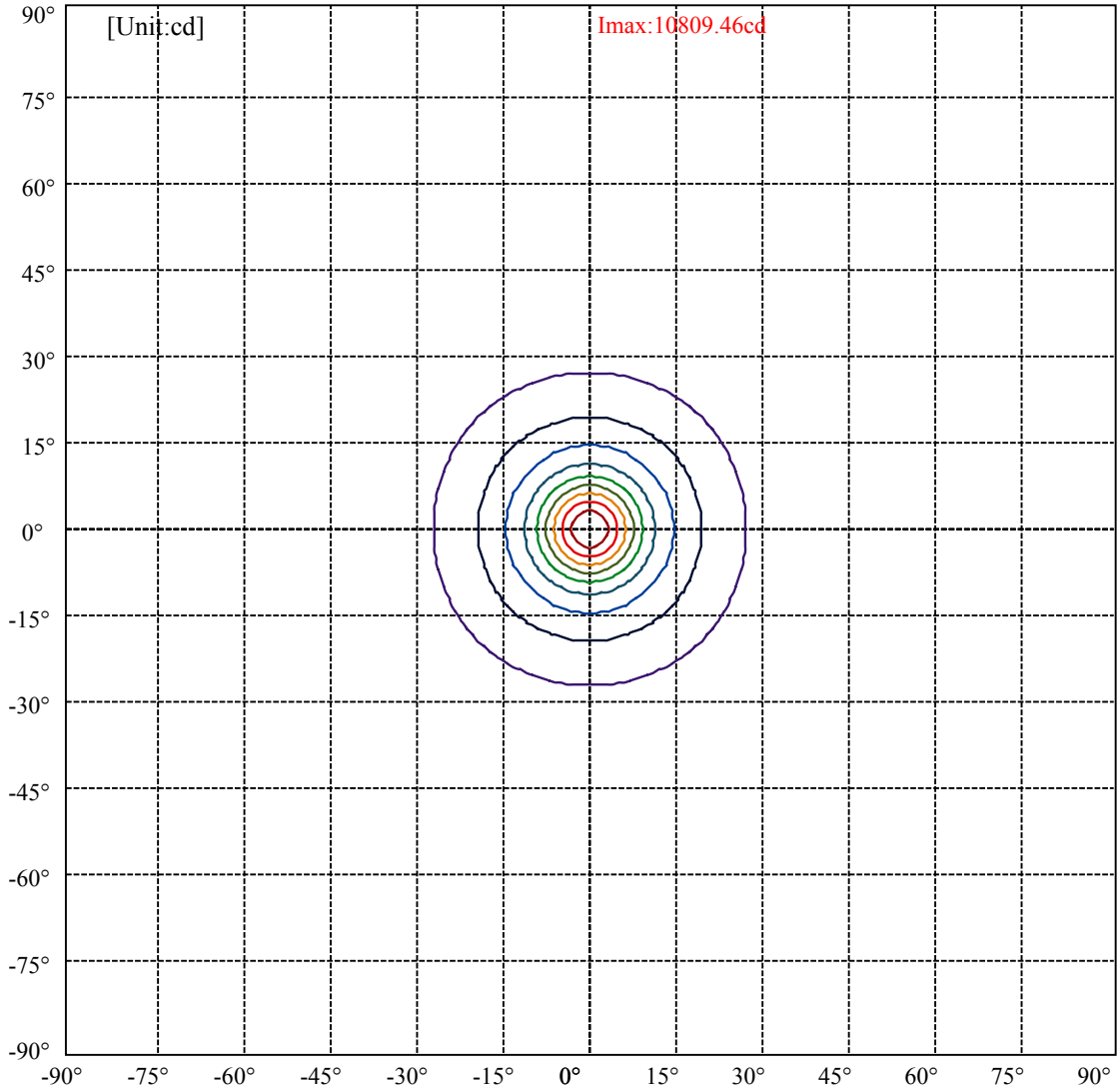
C0/C180: —————

C90/C270: —————

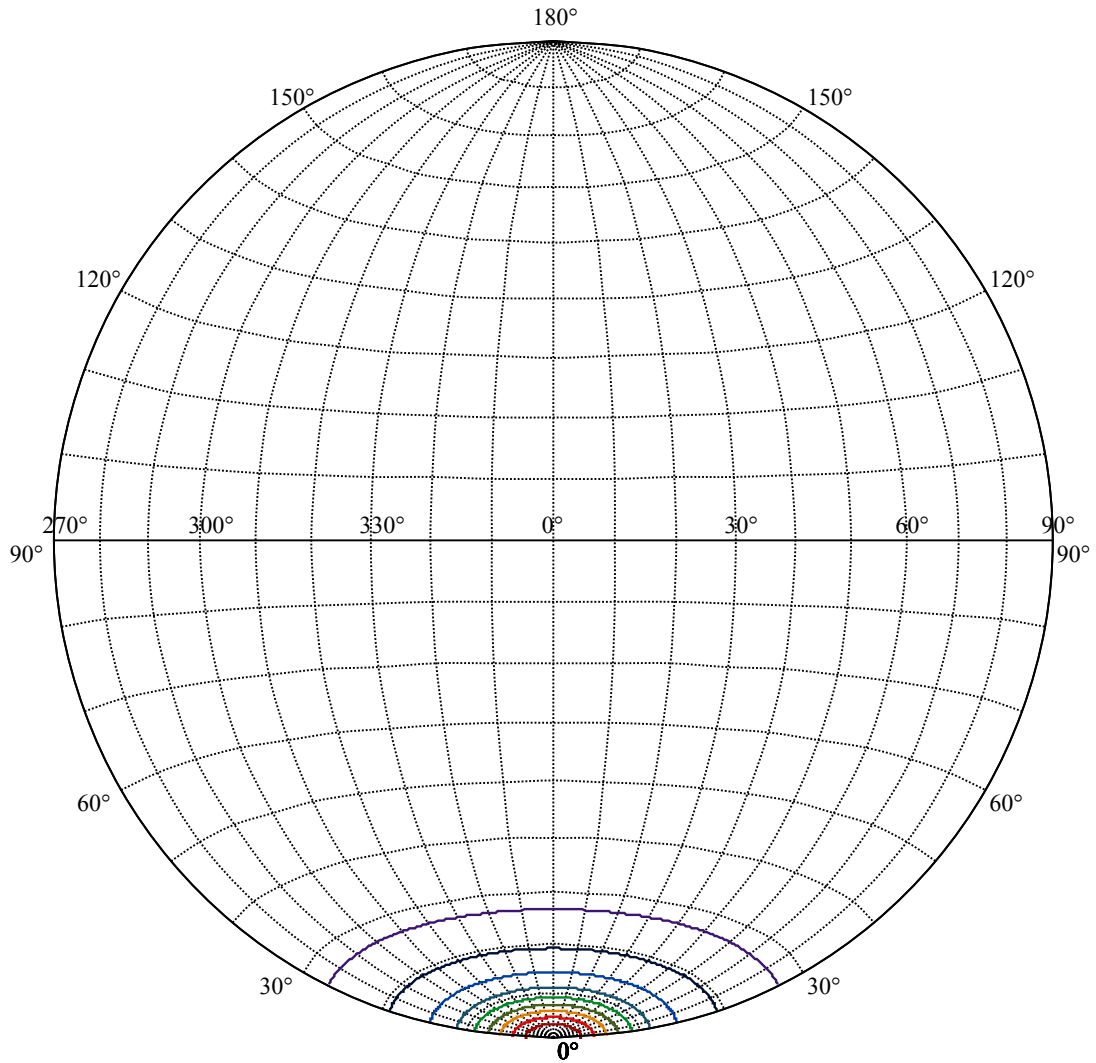
Field angle(10%Imax):C0/180Left:26.8 Right:26.8
:C90/270Left:26.8 Right:26.8

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1





(10%Imax) 1080.95	—
(20%Imax) 2161.89	—
(30%Imax) 3242.84	—
(40%Imax) 4323.78	—
(50%Imax) 5404.73	—
(60%Imax) 6485.67	—
(70%Imax) 7566.62	—
(80%Imax) 8647.57	—
(90%Imax) 9728.51	—



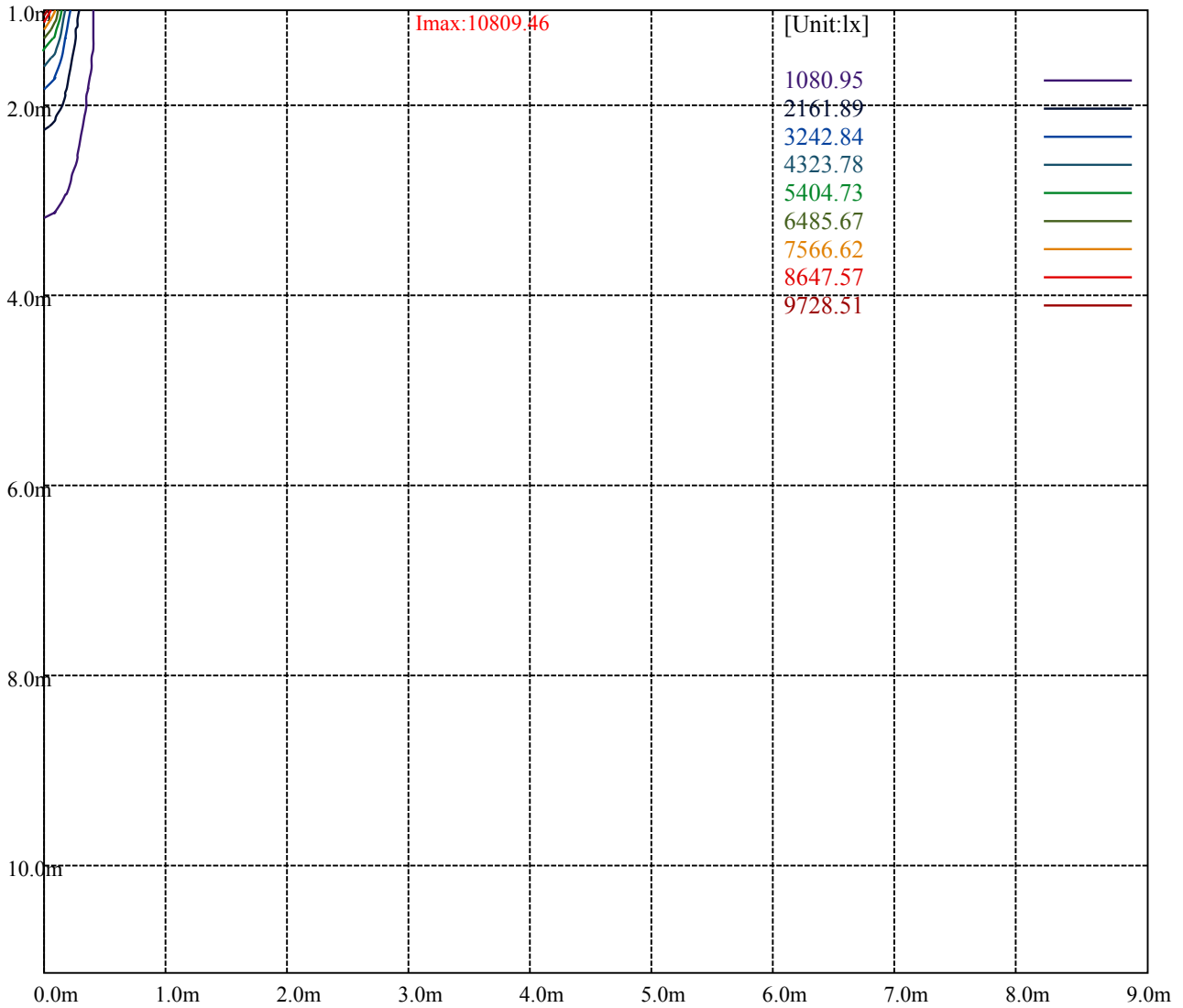
House

[Unit:cd]

Road

Imax:10809.46

(10%Imax) 1080.95	—
(20%Imax) 2161.89	—
(30%Imax) 3242.84	—
(40%Imax) 4323.78	—
(50%Imax) 5404.73	—
(60%Imax) 6485.67	—
(70%Imax) 7566.62	—
(80%Imax) 8647.57	—
(90%Imax) 9728.51	—



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

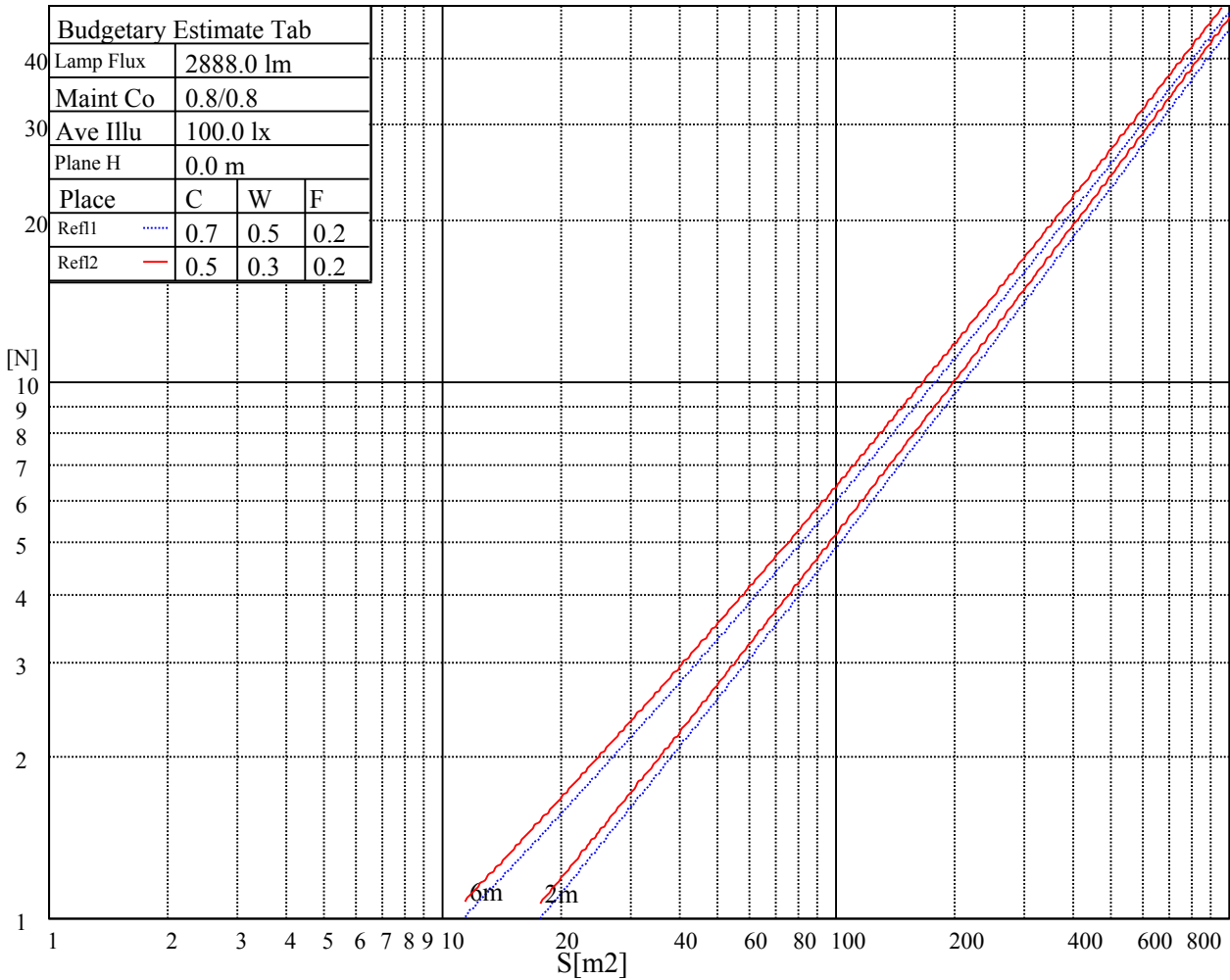
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

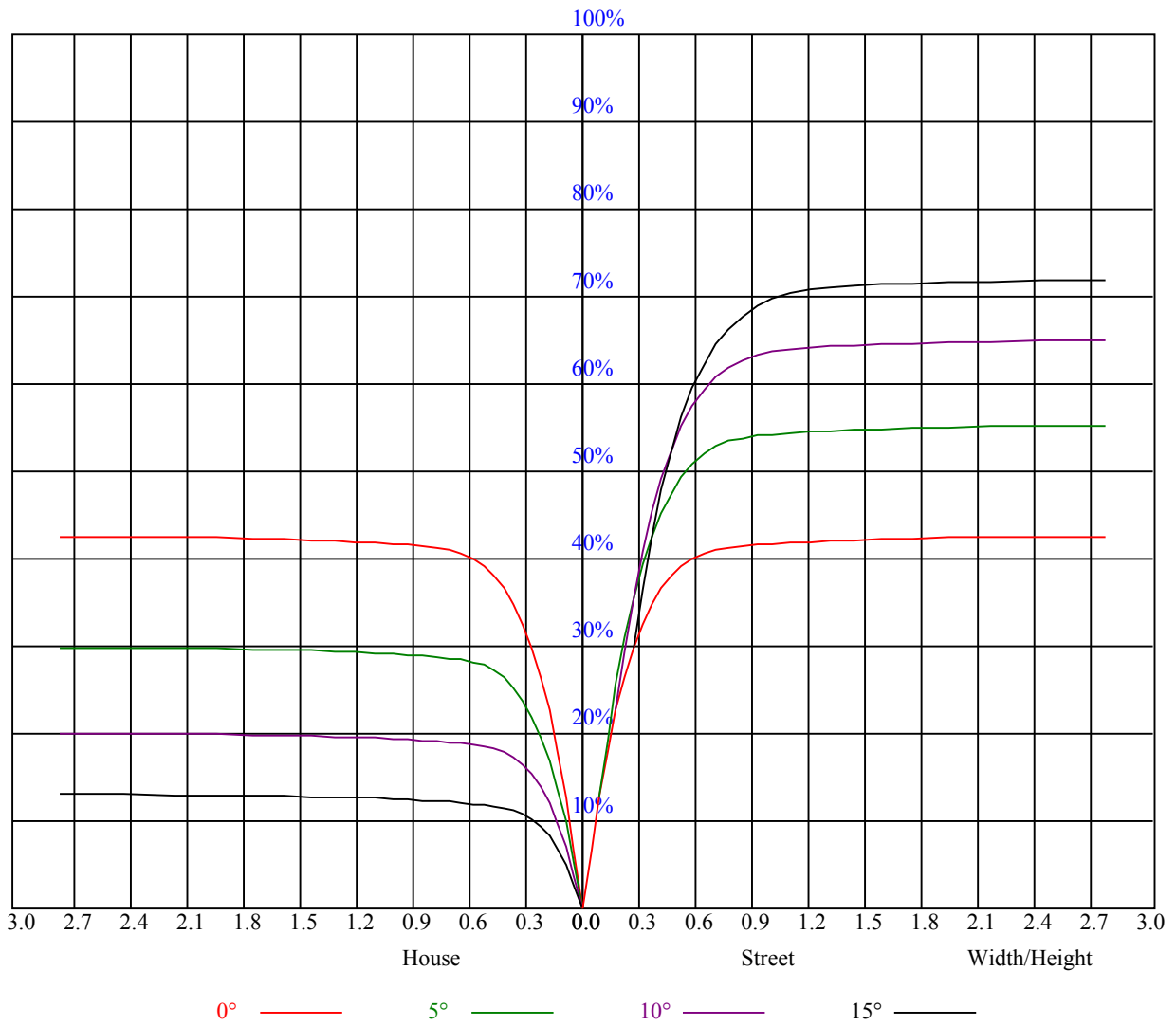


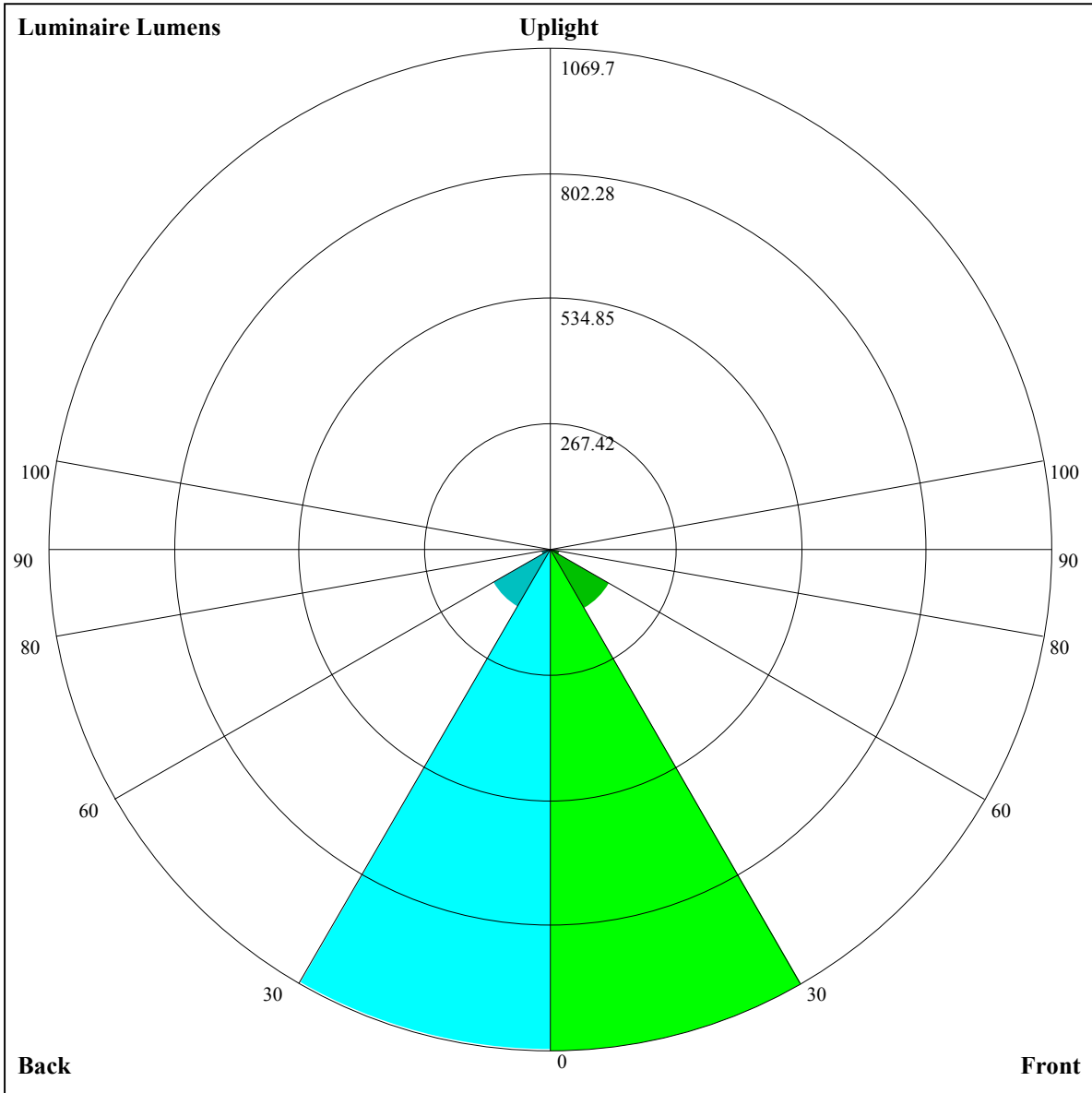
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.78	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	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
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.68	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	0.59
9	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1069.7,FM=145.13,FH=21.81,FVH=6.71

BL=1068.56,BM=142.56,BH=20.75,BVH=6.51

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	10846.62	10666.95	10355.61	9718.89	9074.56	8335.42	7385.60	6650.56	5969.94
45.0	10734.26	10872.95	10827.31	10529.43	10081.73	9481.29	8780.19	7830.37	7080.70
90.0	10890.51	10811.51	10455.10	9948.30	9316.26	8613.99	7698.11	6940.83	6215.73
135.0	10766.44	10859.49	10757.66	10364.98	9820.13	9152.98	8444.86	7523.71	6794.52
180.0	10846.62	10783.41	10523.57	10066.51	9280.56	8592.33	7874.85	7118.15	6199.93
225.0	10734.26	10412.38	9757.51	9104.99	8408.57	7469.29	6713.17	5986.33	5207.98
270.0	10890.51	10728.40	10404.19	9890.36	9102.65	8395.11	7646.61	6866.50	5969.35
315.0	10766.44	10503.68	9928.99	9326.79	8464.17	7702.79	6933.80	6030.80	5386.47
360.0	10846.62	10666.95	10355.61	9718.89	9074.56	8335.42	7385.60	6650.56	5969.94
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5211.49	4705.27	4291.51	3929.26	3541.84	3265.03	3010.46	2772.27	2513.60
45.0	6359.70	5536.29	4982.08	4420.26	4047.47	3717.41	3421.28	3078.93	2827.87
90.0	5546.82	4872.64	4436.06	4058.01	3728.53	3359.25	3093.56	2789.24	2571.54
135.0	6079.96	5291.08	4794.22	4391.59	3939.21	3621.43	3334.67	2999.92	2766.42
180.0	5518.73	4953.40	4403.88	4041.04	3712.14	3355.74	3098.82	2853.03	2587.34
225.0	4712.88	4304.39	3873.08	3571.10	3285.51	3033.28	2741.84	2531.74	2344.47
270.0	5356.62	4827.58	4388.08	3931.01	3627.87	3335.84	3018.65	2791.58	2574.46
315.0	4852.16	4312.58	3964.37	3642.50	3362.18	3041.47	2812.06	2597.87	2405.92
360.0	5211.49	4705.27	4291.51	3929.26	3541.84	3265.03	3010.46	2772.27	2513.60
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2329.25	2163.64	1981.63	1841.18	1701.31	1520.47	1154.77	1154.77	1107.77
45.0	2611.92	2416.45	2201.09	2041.32	1900.87	1736.42	1604.16	1466.05	1293.99
90.0	2380.17	2167.73	2010.89	1874.53	1741.69	1576.07	1336.71	1166.18	1136.80
135.0	2554.57	2362.03	2154.86	2003.87	1869.27	1742.27	1580.75	1451.42	1314.47
180.0	2390.70	2227.42	2055.37	1882.73	1756.90	1617.04	1491.21	1312.72	1186.31
225.0	2170.66	1982.22	1844.10	1716.52	1552.08	1316.23	1149.44	1122.75	1035.61
270.0	2337.45	2181.78	1991.58	1847.61	1714.77	1587.19	1415.13	1271.75	1155.29
315.0	2193.48	2044.83	1902.62	1735.25	1599.48	1428.59	1144.58	1144.58	1080.56
360.0	2329.25	2163.64	1981.63	1841.18	1701.31	1520.47	1154.77	1154.77	1107.77
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1031.93	953.92	857.88	735.16	637.49	540.75	444.13	332.00	250.53
45.0	1164.66	1052.29	973.29	884.92	790.70	671.90	580.02	482.87	386.31
90.0	1043.28	969.89	884.63	790.58	672.54	579.31	483.81	367.05	280.15
135.0	1148.86	1055.22	955.73	860.92	761.44	666.63	548.41	452.44	357.63
180.0	1086.82	985.58	890.77	767.87	672.48	576.51	475.85	358.22	315.49
225.0	959.18	843.60	741.89	641.76	518.28	422.12	331.88	250.42	164.74
270.0	1066.92	972.70	872.63	770.21	644.39	544.90	446.00	331.30	310.81
315.0	985.64	892.82	790.93	689.92	565.33	463.97	371.50	287.40	193.53
360.0	1031.93	953.92	857.88	735.16	637.49	540.75	444.13	332.00	250.53
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	179.08	118.98	103.53	94.16	89.07	84.10	79.30	73.50	68.94
45.0	299.69	299.69	142.33	111.49	99.61	93.28	86.67	81.76	76.66
90.0	185.17	126.00	97.73	87.67	82.52	78.42	74.32	69.23	64.96
135.0	314.32	314.32	117.10	92.35	85.56	79.71	75.85	71.57	66.66
180.0	315.49	119.33	94.51	87.02	81.81	76.84	72.74	68.76	63.56
225.0	117.05	96.97	90.94	84.74	80.64	75.90	69.76	65.55	61.10
270.0	310.81	113.71	96.62	89.95	84.45	78.60	73.74	69.12	64.67
315.0	134.72	105.40	94.22	87.90	83.16	76.96	72.57	68.00	63.03
360.0	179.08	118.98	103.53	94.16	89.07	84.10	79.30	73.50	68.94

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	64.96	61.16	57.29	54.54	51.85	49.51	46.64	45.12	43.72
45.0	70.70	66.48	62.50	59.05	55.13	52.14	49.63	47.70	45.71
90.0	61.21	57.94	54.13	51.38	48.75	46.23	44.71	43.19	42.14
135.0	62.56	58.11	55.01	52.09	49.22	47.05	45.06	43.54	41.96
180.0	60.04	56.83	53.20	50.74	48.34	46.12	44.54	43.07	42.02
225.0	57.70	54.60	51.79	48.63	46.94	45.24	43.95	42.25	41.20
270.0	59.93	56.47	53.43	49.92	47.34	45.35	43.31	41.96	40.56
315.0	59.52	56.36	53.49	49.92	47.64	45.71	43.60	42.31	41.32
360.0	64.96	61.16	57.29	54.54	51.85	49.51	46.64	45.12	43.72
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.96	42.08	41.26	40.38	38.80	37.10	34.70	32.25	30.49
45.0	44.42	43.31	42.25	41.79	41.14	39.56	38.10	35.93	32.71
90.0	41.14	40.32	39.91	39.50	38.57	36.93	35.17	32.42	30.67
135.0	41.32	40.50	40.03	39.62	38.98	38.04	36.58	34.88	31.78
180.0	40.97	40.50	39.91	39.33	38.39	36.93	35.64	32.19	30.31
225.0	40.50	40.09	39.62	38.33	36.46	34.59	31.78	29.20	25.87
270.0	39.68	39.09	38.62	38.10	36.75	35.29	33.59	31.02	28.62
315.0	40.38	39.62	38.98	37.57	36.17	34.65	31.60	29.79	26.86
360.0	42.96	42.08	41.26	40.38	38.80	37.10	34.70	32.25	30.49
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.51	25.11	22.71	21.42	20.19	19.49	19.61	20.25	21.01
45.0	30.49	27.51	25.28	22.82	21.24	20.31	19.72	20.19	21.01
90.0	27.10	24.99	23.23	20.66	19.78	18.61	17.73	17.26	16.74
135.0	29.44	26.22	24.40	21.71	20.25	19.25	18.26	17.50	17.03
180.0	26.34	24.46	22.30	20.66	19.37	18.43	17.91	17.56	17.38
225.0	24.35	22.12	20.42	19.43	19.14	20.07	21.01	21.89	21.95
270.0	25.69	23.82	21.24	19.96	18.73	17.91	17.38	16.80	16.33
315.0	24.87	22.41	20.78	19.84	18.90	18.61	18.73	19.20	19.84
360.0	26.51	25.11	22.71	21.42	20.19	19.49	19.61	20.25	21.01
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.47	23.35	23.70	23.94	23.35	22.94	21.95	20.66	18.61
45.0	21.95	22.30	22.53	22.06	21.36	20.72	20.13	19.96	19.37
90.0	16.33	15.80	15.51	15.10	14.63	14.34	13.99	13.69	13.23
135.0	16.68	16.62	17.09	17.03	16.91	16.85	16.68	16.21	15.92
180.0	17.67	18.20	18.61	18.96	18.84	18.55	18.08	17.21	16.21
225.0	21.71	21.19	20.01	19.84	18.96	18.20	17.91	16.85	15.16
270.0	15.98	15.63	15.16	14.86	14.57	14.22	13.87	13.58	13.28
315.0	20.48	20.89	20.66	20.66	20.37	19.55	18.67	17.44	16.15
360.0	22.47	23.35	23.70	23.94	23.35	22.94	21.95	20.66	18.61
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.80	13.99	12.70	12.17	11.82	11.47	11.00	10.77	10.53
45.0	18.49	17.21	14.57	12.47	12.00	11.65	11.24	10.94	10.71
90.0	12.93	12.64	12.29	12.00	11.65	11.24	11.00	10.83	10.77
135.0	15.57	14.51	13.11	12.11	11.76	11.35	11.00	10.89	10.71
180.0	15.22	13.64	12.41	11.94	11.53	11.06	10.89	10.65	10.42
225.0	12.64	12.17	11.94	11.59	11.12	10.89	10.77	10.48	10.65
270.0	12.87	12.64	12.23	11.94	11.65	11.12	10.77	10.83	10.53
315.0	13.52	12.47	12.23	11.82	11.47	11.00	10.83	10.65	10.65
360.0	16.80	13.99	12.70	12.17	11.82	11.47	11.00	10.77	10.53

Intensity data(cd)

C/γ(°)	90.0
0.0	10.59
45.0	10.53
90.0	10.53
135.0	10.48
180.0	10.59
225.0	10.53
270.0	10.59
315.0	10.59
360.0	10.59