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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024402-B012

Ballast type: AC

Test No: 2024402-C012

Voltage(V): 35.170

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2202.0

Power (W): 17.057

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1901.89, Efficiency(%): 86.37% , Luminous Efficacy(lm/W): 111.50

Central intensity(cd): 7214.420, Maximum intensity(cd): 7214.420

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.2

[C90/270]Total=23.2

Field angle(10%Imax): [C0/180]Total=56.8

[C90/270]Total=56.8

Maximum s/h(1/2): C0_180=0.39 C90_270=0.39

Maximum s/h(1/4): C0_180=0.42 C90_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.37%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.046%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
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	7214.420	0.000	0	0.00%	0.00%
1.0	7182.232	6.889	6.889	0.31%	0.36%
2.0	7072.356	20.460	27.348	0.93%	1.44%
3.0	6889.547	33.392	60.74	1.52%	3.19%
4.0	6654.725	45.337	106.077	2.06%	5.58%
5.0	6347.043	55.933	162.01	2.54%	8.52%
6.0	5986.983	64.819	226.829	2.94%	11.93%
7.0	5558.891	71.665	298.494	3.25%	15.69%
8.0	5135.554	76.538	375.032	3.48%	19.72%
9.0	4699.196	79.705	454.737	3.62%	23.91%
10.0	4277.614	81.237	535.974	3.69%	28.18%
11.0	3849.961	81.211	617.185	3.69%	32.45%
12.0	3447.985	79.777	696.962	3.62%	36.65%
13.0	3081.634	77.490	774.453	3.52%	40.72%
14.0	2748.348	74.623	849.076	3.39%	44.64%
15.0	2426.987	71.049	920.125	3.23%	48.38%
16.0	2168.025	67.330	987.455	3.06%	51.92%
17.0	1926.400	63.761	1051.216	2.90%	55.27%
18.0	1709.574	59.949	1111.165	2.72%	58.42%
19.0	1480.766	55.505	1166.671	2.52%	61.34%
20.0	1318.329	51.231	1217.902	2.33%	64.04%
21.0	1210.626	48.561	1266.463	2.21%	66.59%
22.0	1117.853	46.792	1313.255	2.12%	69.05%
23.0	1030.567	45.080	1358.334	2.05%	71.42%
24.0	953.500	43.379	1401.713	1.97%	73.70%
25.0	891.071	41.942	1443.655	1.90%	75.91%
26.0	838.174	40.819	1484.474	1.85%	78.05%
27.0	790.471	39.845	1524.319	1.81%	80.15%
28.0	745.701	38.893	1563.212	1.77%	82.19%
29.0	688.290	37.517	1600.729	1.70%	84.17%
30.0	623.674	35.423	1636.152	1.61%	86.03%
31.0	544.318	32.504	1668.655	1.48%	87.74%
32.0	470.184	29.064	1697.719	1.32%	89.26%
33.0	391.252	25.378	1723.098	1.15%	90.60%
34.0	317.624	21.453	1744.55	0.97%	91.73%
35.0	265.070	18.096	1762.647	0.82%	92.68%
36.0	210.191	15.132	1777.779	0.69%	93.47%
37.0	150.747	11.772	1789.551	0.53%	94.09%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.051	8.038	1797.588	0.37%	94.52%
39.0	64.660	5.281	1802.869	0.24%	94.79%
40.0	53.899	4.135	1807.004	0.19%	95.01%
41.0	49.459	3.681	1810.684	0.17%	95.20%
42.0	46.065	3.471	1814.155	0.16%	95.39%
43.0	43.109	3.303	1817.458	0.15%	95.56%
44.0	40.915	3.171	1820.63	0.14%	95.73%
45.0	39.078	3.074	1823.704	0.14%	95.89%
46.0	37.835	3.008	1826.712	0.14%	96.05%
47.0	36.716	2.965	1829.677	0.13%	96.20%
48.0	35.787	2.931	1832.608	0.13%	96.36%
49.0	35.055	2.909	1835.517	0.13%	96.51%
50.0	34.141	2.885	1838.402	0.13%	96.66%
51.0	33.563	2.864	1841.266	0.13%	96.81%
52.0	32.721	2.844	1844.111	0.13%	96.96%
53.0	31.917	2.812	1846.922	0.13%	97.11%
54.0	30.973	2.772	1849.694	0.13%	97.26%
55.0	30.022	2.723	1852.417	0.12%	97.40%
56.0	28.910	2.663	1855.08	0.12%	97.54%
57.0	27.586	2.583	1857.663	0.12%	97.67%
58.0	26.086	2.482	1860.145	0.11%	97.80%
59.0	24.448	2.363	1862.508	0.11%	97.93%
60.0	22.729	2.229	1864.736	0.10%	98.05%
61.0	21.068	2.090	1866.826	0.09%	98.16%
62.0	19.525	1.956	1868.782	0.09%	98.26%
63.0	18.200	1.835	1870.617	0.08%	98.36%
64.0	17.037	1.729	1872.346	0.08%	98.45%
65.0	15.984	1.634	1873.98	0.07%	98.53%
66.0	14.996	1.546	1875.526	0.07%	98.61%
67.0	14.104	1.463	1876.989	0.07%	98.69%
68.0	13.358	1.391	1878.381	0.06%	98.76%
69.0	12.714	1.330	1879.711	0.06%	98.83%
70.0	12.209	1.280	1880.991	0.06%	98.90%
71.0	11.829	1.242	1882.233	0.06%	98.97%
72.0	11.500	1.213	1883.446	0.06%	99.03%
73.0	11.222	1.188	1884.634	0.05%	99.09%
74.0	10.973	1.167	1885.801	0.05%	99.15%
75.0	10.732	1.147	1886.948	0.05%	99.21%

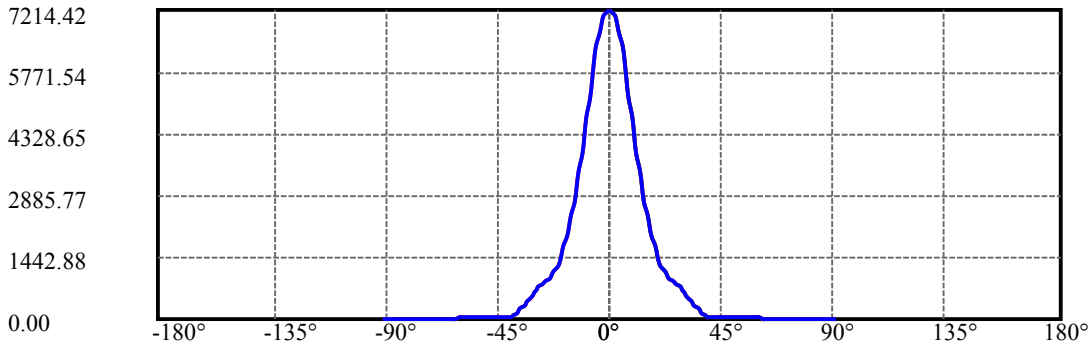
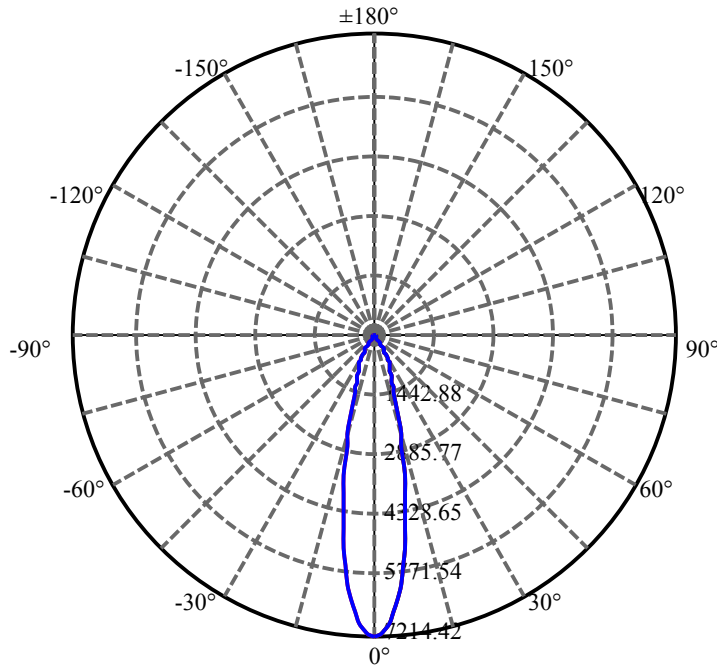
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.497	1.127	1888.075	0.05%	99.27%
77.0	10.278	1.108	1889.182	0.05%	99.33%
78.0	10.051	1.088	1890.271	0.05%	99.39%
79.0	9.832	1.068	1891.339	0.05%	99.45%
80.0	9.598	1.047	1892.386	0.05%	99.50%
81.0	9.378	1.026	1893.413	0.05%	99.55%
82.0	9.181	1.006	1894.419	0.05%	99.61%
83.0	8.998	0.988	1895.407	0.04%	99.66%
84.0	8.830	0.971	1896.378	0.04%	99.71%
85.0	8.647	0.954	1897.332	0.04%	99.76%
86.0	8.500	0.937	1898.27	0.04%	99.81%
87.0	8.361	0.923	1899.192	0.04%	99.86%
88.0	8.230	0.909	1900.101	0.04%	99.91%
89.0	8.171	0.899	1901	0.04%	99.95%
90.0	8.105	0.892	1901.893	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1636.15	74.30%	86.03%
0-40	1807.00	82.06%	95.01%
0-60	1864.74	84.68%	98.05%
0-90	1901.00	86.33%	99.95%
0-120	1901.00	86.33%	99.95%
0-180	1901.89	86.37%	100.00%
60-90	36.26	1.65%	1.91%
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%
0-26.93	1521.51	69.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	535.97
10-20	681.93
20-30	418.25
30-40	170.85
40-50	31.40
50-60	26.33
60-70	16.25
70-80	11.40
80-90	8.61
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



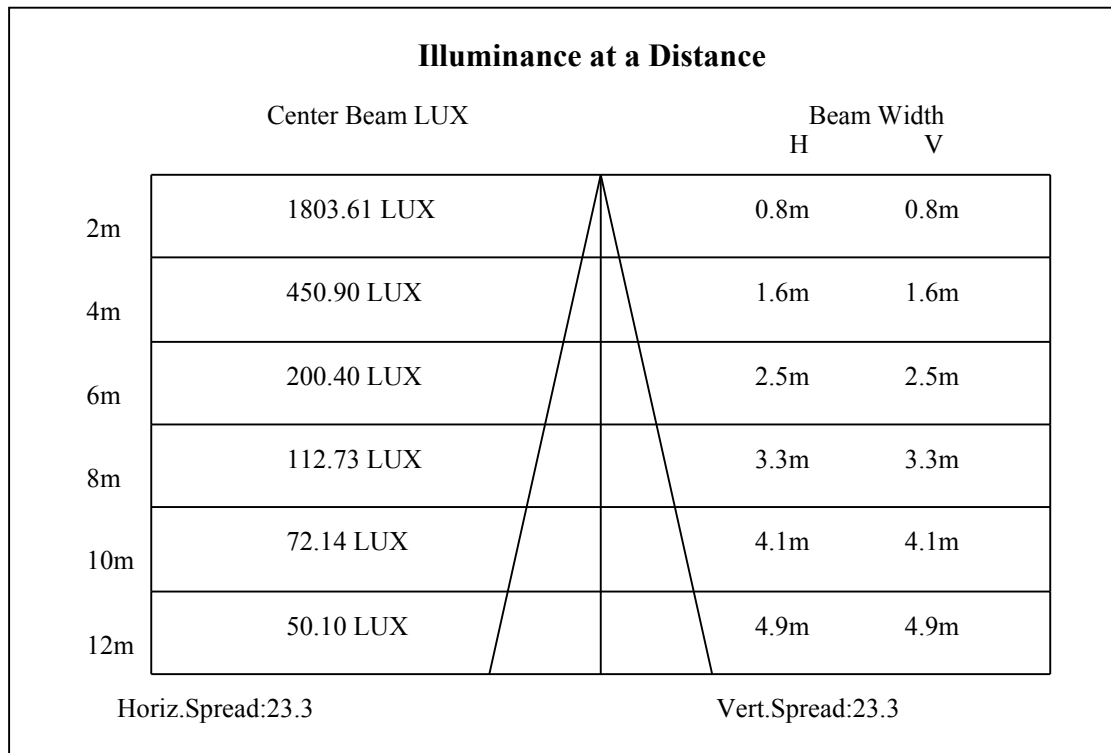
C0(Max): —————

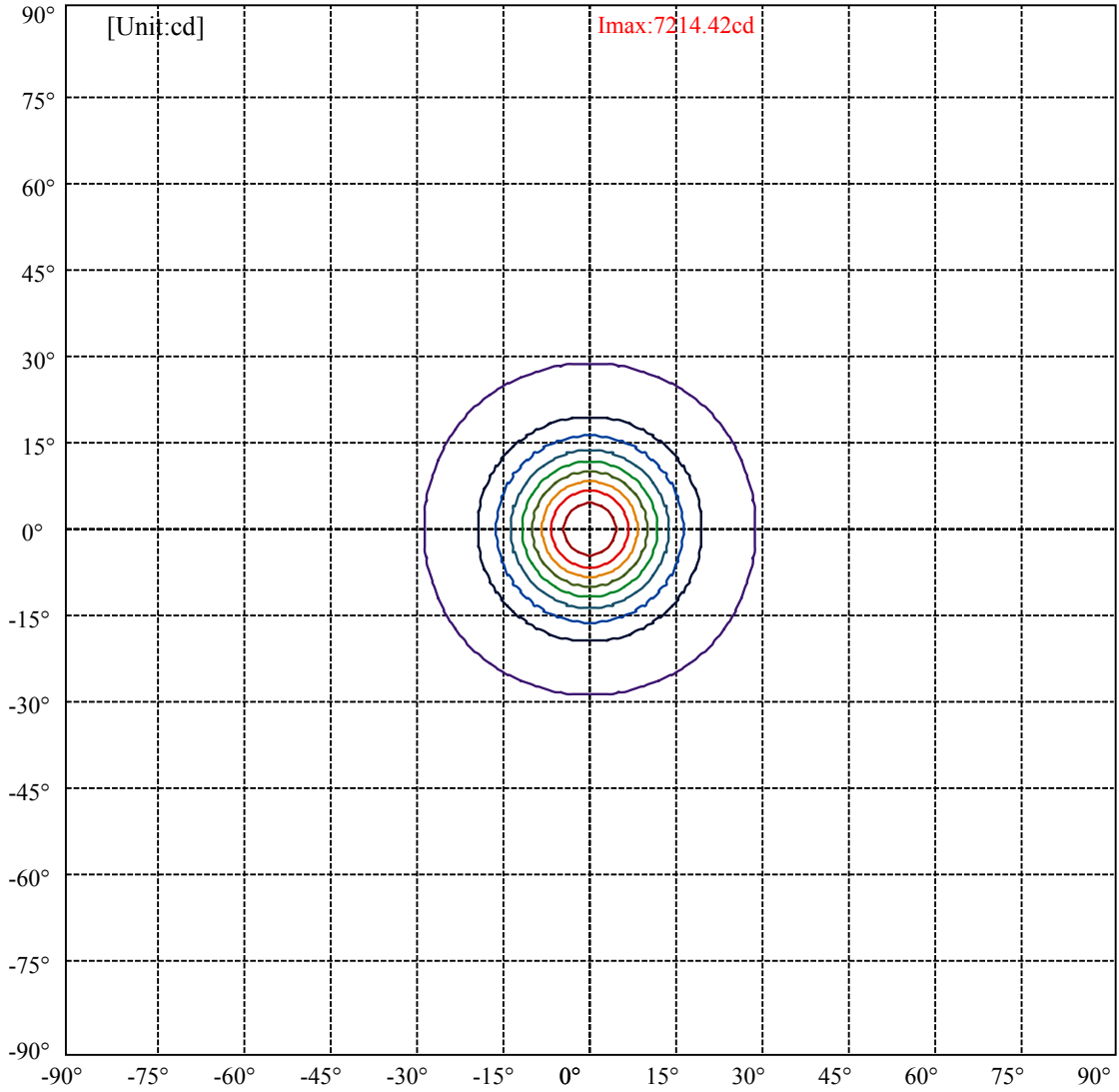
C0/C180: —————

C90/C270: —————

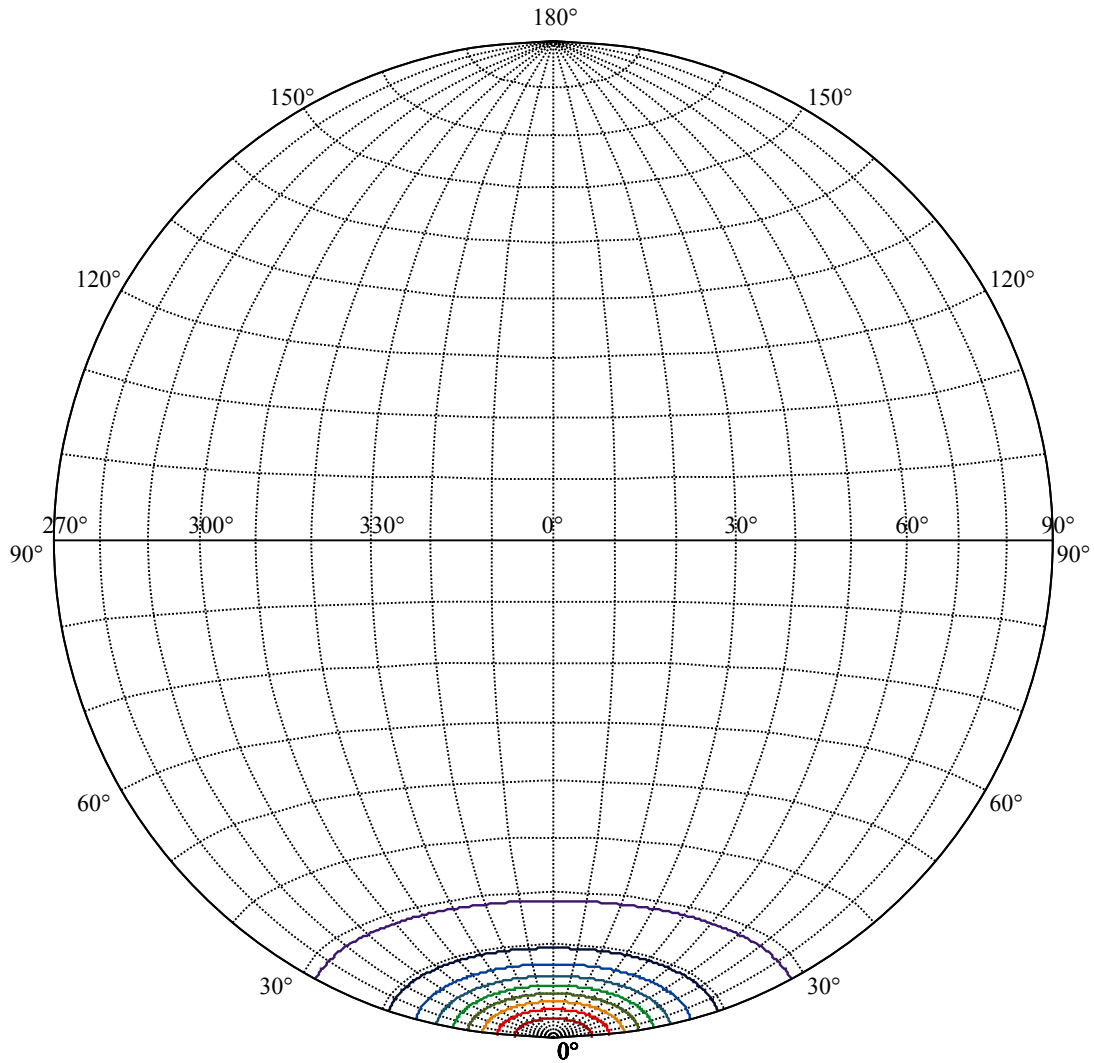
Field angle(10%Imax):C0/180Left:28.4 Right:28.4
:C90/270Left:28.4 Right:28.4

Beam Angle(50%Imax):C0/180Left:11.6 Right:11.6
:C90/270Left:11.6 Right:11.6





(10%Imax) 721.442	—
(20%Imax) 1442.88	—
(30%Imax) 2164.33	—
(40%Imax) 2885.77	—
(50%Imax) 3607.21	—
(60%Imax) 4328.65	—
(70%Imax) 5050.09	—
(80%Imax) 5771.54	—
(90%Imax) 6492.98	—



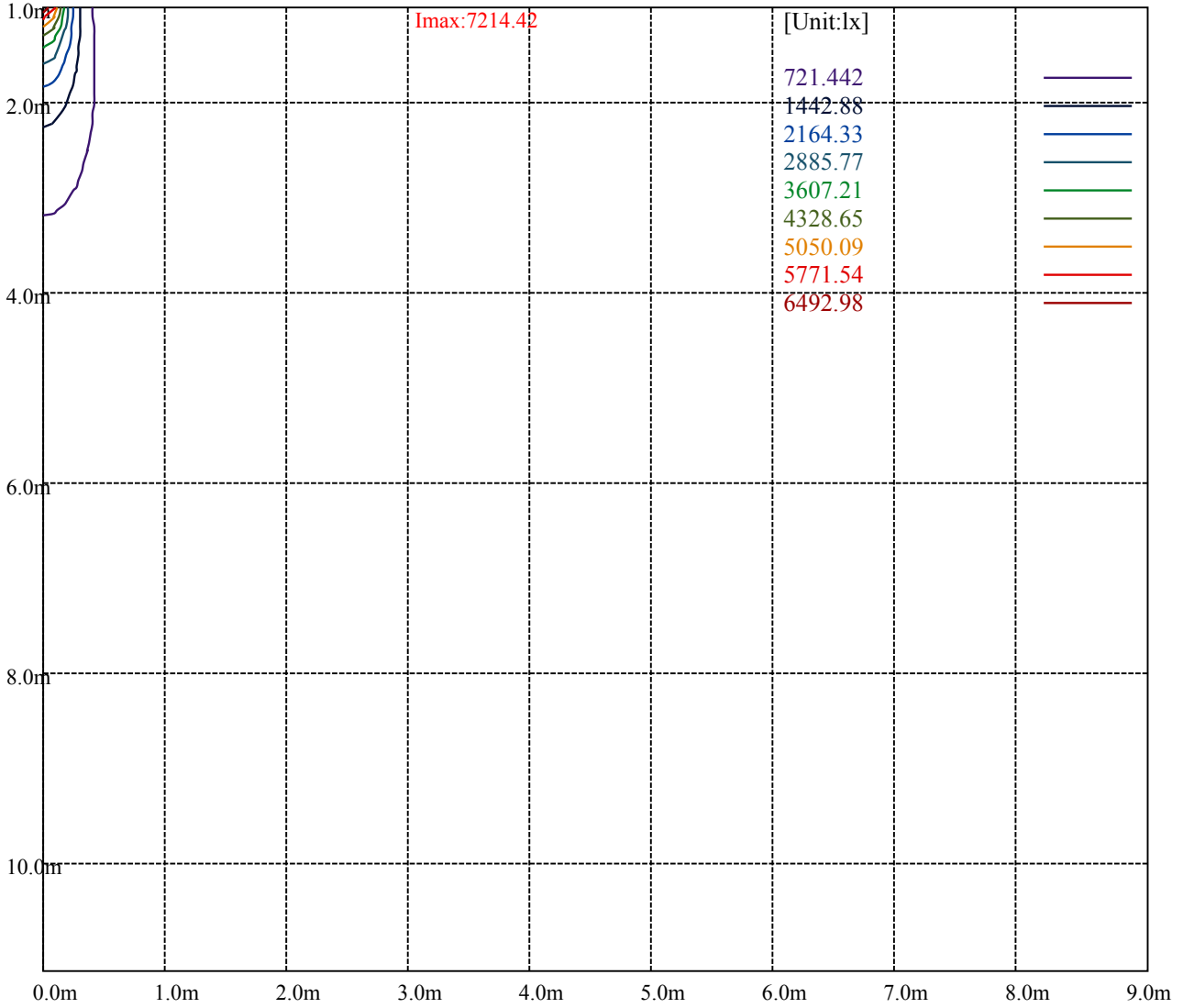
House

[Unit:cd]

Road

Imax:7214.42

(10%Imax) 721.442	—
(20%Imax) 1442.88	—
(30%Imax) 2164.33	—
(40%Imax) 2885.77	—
(50%Imax) 3607.21	—
(60%Imax) 4328.65	—
(70%Imax) 5050.09	—
(80%Imax) 5771.54	—
(90%Imax) 6492.98	—



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

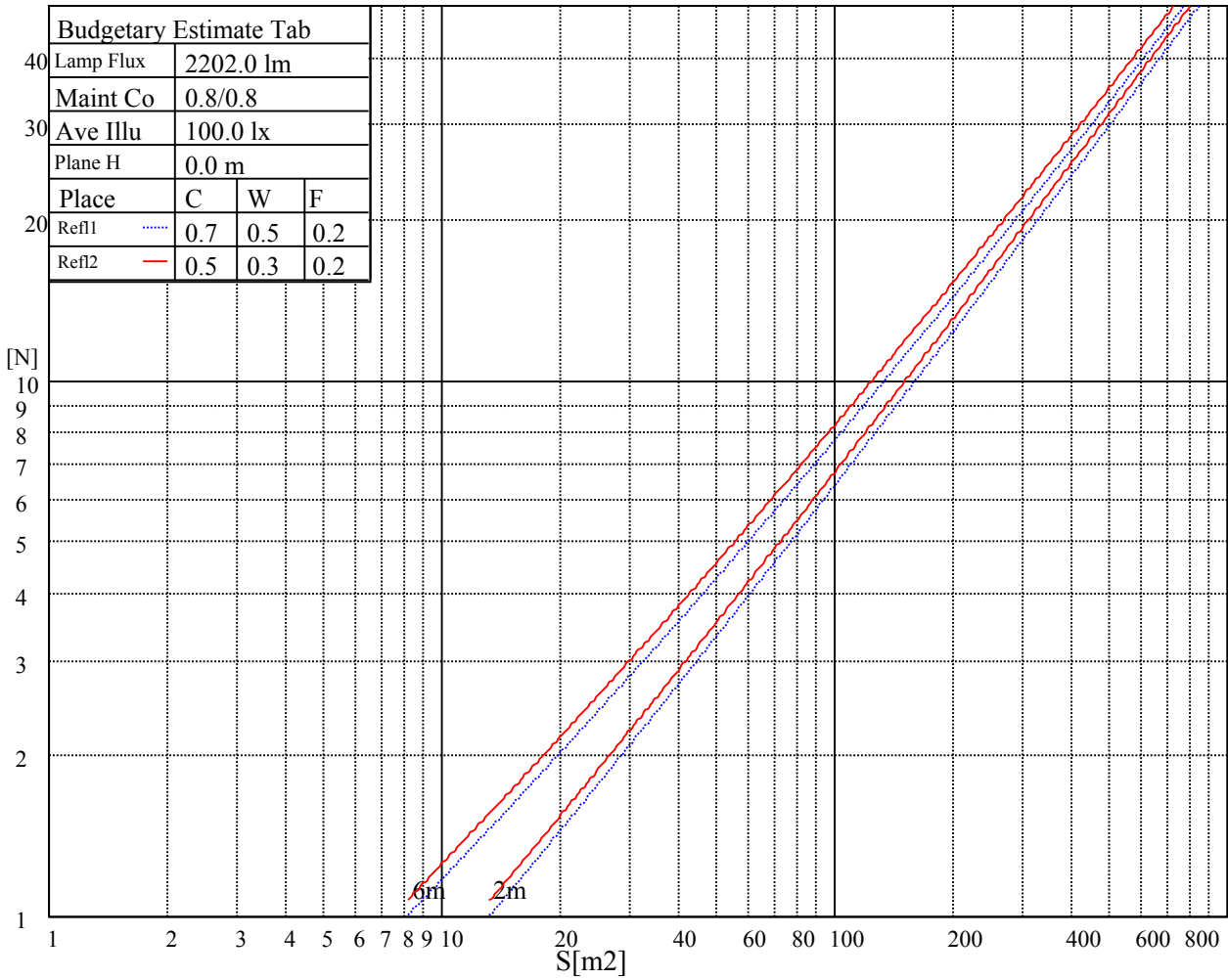
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

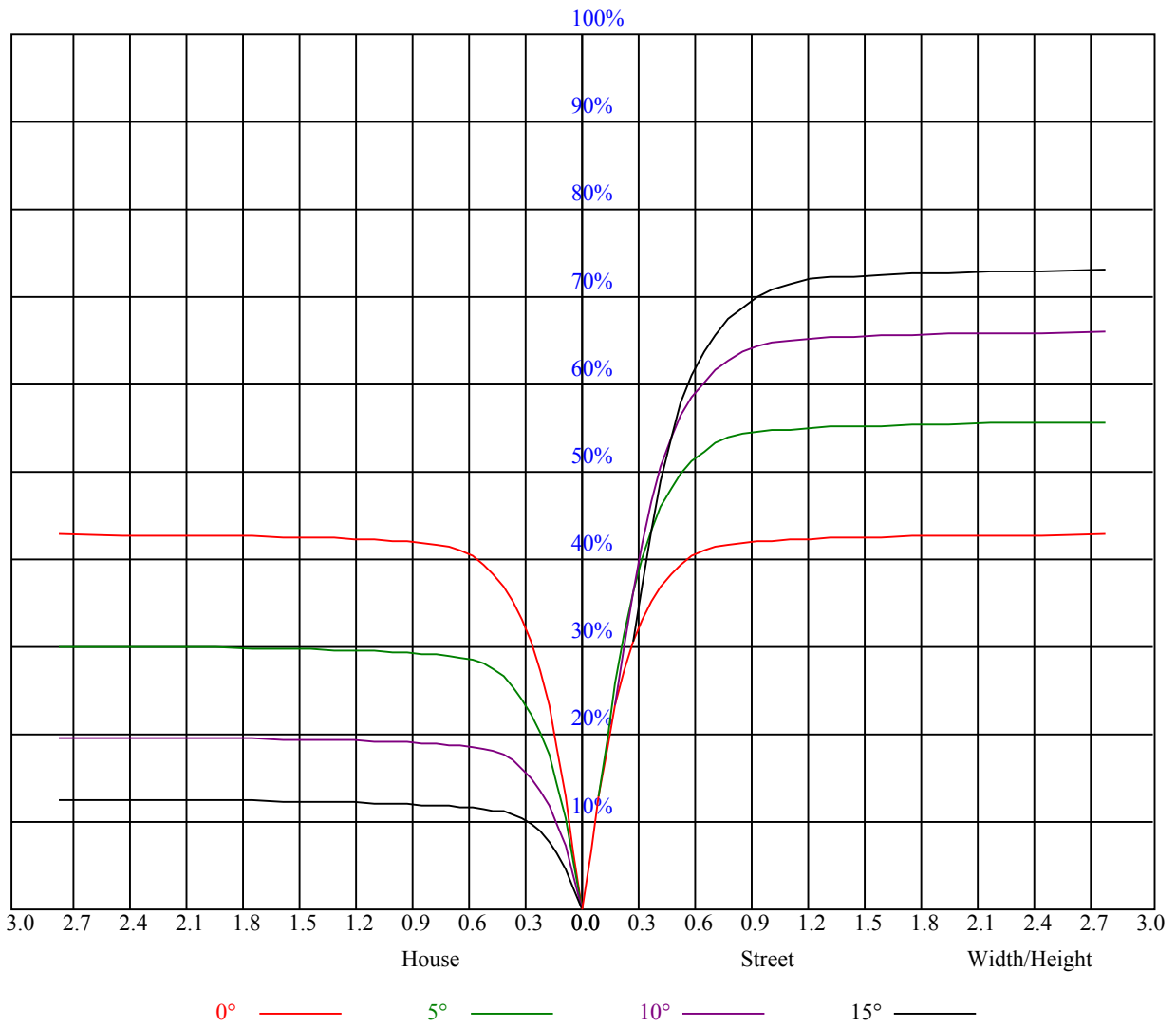


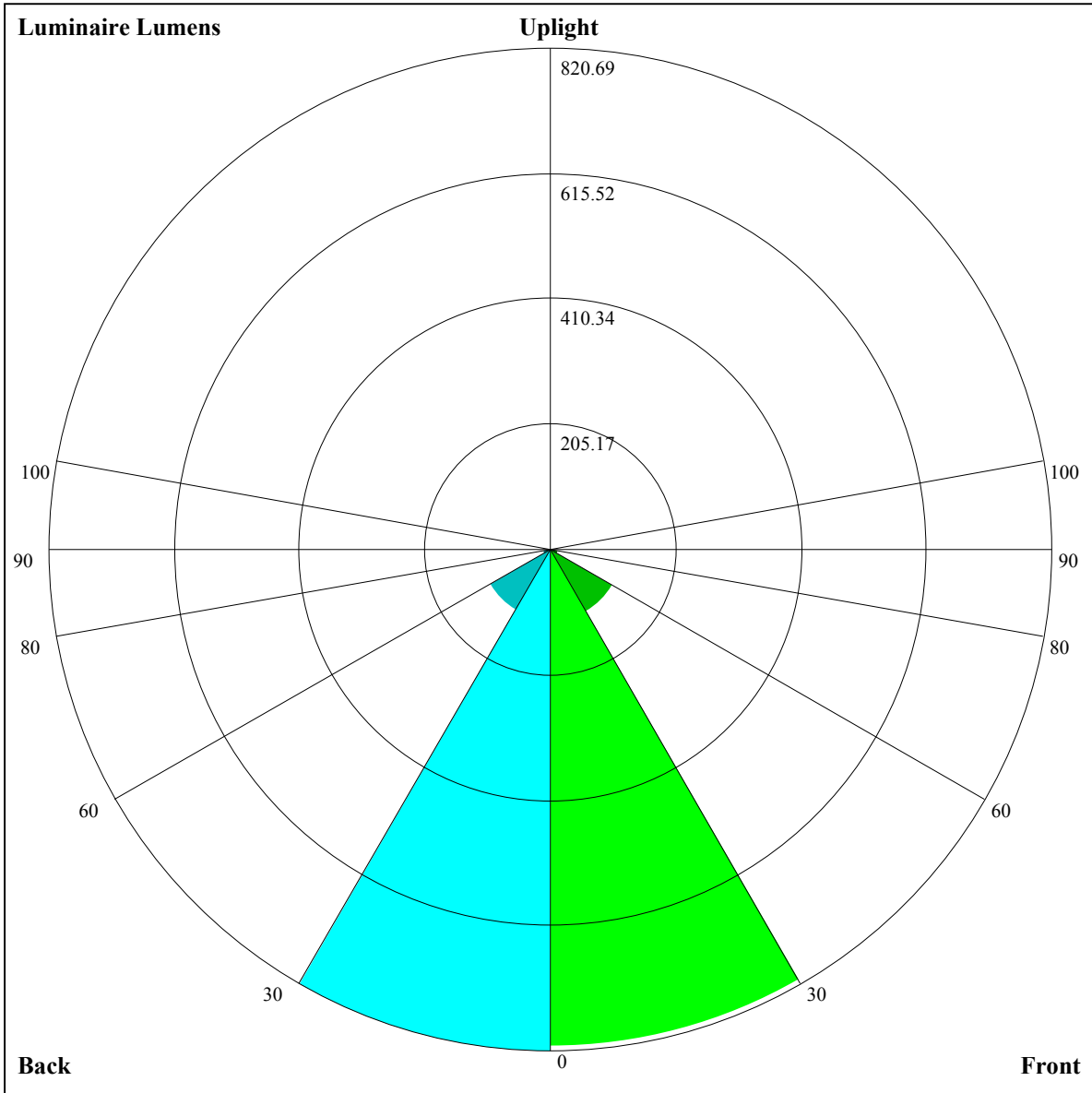
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.90	0.87	0.84	0.87	0.85	0.83	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
7	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
9	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=814.28,FM=116.41,FH=13.87,FVH=4.75

BL=820.69,BM=114.47,BH=13.85,BVH=4.76

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	7240.46	7182.52	7061.97	6808.57	6544.04	6133.22	5772.13	5371.84	4983.25
45.0	7182.52	7243.97	7211.79	7132.20	6972.43	6761.16	6467.97	6047.77	5690.79
90.0	7240.46	7222.32	7152.09	6998.18	6802.71	6531.17	6134.39	5758.09	5357.21
135.0	7194.23	7232.85	7195.99	7101.18	6935.56	6715.52	6439.87	6034.31	5653.92
180.0	7240.46	7205.35	7122.25	6987.65	6724.88	6458.02	6133.80	5768.04	5271.77
225.0	7182.52	7090.06	6882.89	6637.68	6346.82	5916.68	5520.49	4980.32	4550.18
270.0	7240.46	7191.30	7095.33	6858.90	6616.03	6315.81	5886.25	5485.96	4963.94
315.0	7194.23	7089.47	6856.55	6592.03	6295.32	5944.77	5540.97	5024.80	4613.39
360.0	7240.46	7182.52	7061.97	6808.57	6544.04	6133.22	5772.13	5371.84	4983.25
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4484.64	4087.27	3710.97	3345.20	2929.69	2622.45	2297.07	2115.06	1838.25
45.0	5282.88	4784.27	4382.22	3990.12	3519.60	3166.13	2762.91	2470.88	2220.99
90.0	4839.28	4416.17	4004.75	3536.57	3183.68	2781.05	2489.61	2229.18	1995.68
135.0	5237.82	4811.78	4283.32	3880.69	3503.80	3163.78	2767.59	2477.90	2212.21
180.0	4853.33	4434.31	4015.87	3540.67	3187.19	2858.88	2508.33	2243.23	1952.37
225.0	4135.26	3736.72	3303.07	2974.17	2669.85	2395.97	2099.26	1882.14	1683.75
270.0	4543.75	4132.33	3737.31	3290.78	2945.50	2630.06	2367.88	2072.34	1851.13
315.0	4216.60	3818.07	3362.18	3025.67	2713.75	2368.46	2123.25	1853.47	1656.83
360.0	4484.64	4087.27	3710.97	3345.20	2929.69	2622.45	2297.07	2115.06	1838.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1607.67	1446.73	1147.98	1147.98	1082.84	1006.47	944.38	893.11	839.10
45.0	1988.07	1731.15	1555.00	1402.26	1272.34	1165.24	1055.80	983.82	920.03
90.0	1741.10	1564.36	1301.01	1154.65	1130.71	1033.80	957.08	893.46	831.31
135.0	1931.89	1732.91	1515.21	1363.63	1236.64	1134.81	1027.13	953.39	891.36
180.0	1748.71	1569.05	1411.04	1244.25	1128.96	1033.57	962.17	879.65	826.40
225.0	1508.18	1148.21	1148.21	1080.68	999.21	931.44	861.45	815.51	775.54
270.0	1671.46	1492.97	1307.45	1195.09	1078.04	1002.55	939.34	873.80	828.15
315.0	1479.51	1160.74	1160.74	1096.48	1014.08	936.65	880.65	835.82	793.51
360.0	1607.67	1446.73	1147.98	1147.98	1082.84	1006.47	944.38	893.11	839.10
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	801.76	760.03	703.56	621.22	550.05	476.49	383.61	310.17	241.29
45.0	852.15	807.08	757.92	709.94	646.73	562.46	489.89	420.84	346.51
90.0	786.48	746.92	686.41	625.02	540.57	467.71	400.24	319.88	257.21
135.0	838.69	787.77	745.64	698.23	619.23	550.17	477.02	388.06	316.08
180.0	785.43	747.98	698.23	635.61	554.85	482.28	405.03	319.59	304.96
225.0	726.09	667.45	601.55	528.22	436.93	365.36	296.77	234.97	166.32
270.0	787.77	749.73	680.09	610.45	538.47	459.46	366.99	300.28	300.28
315.0	745.40	698.64	632.92	560.70	467.71	397.54	310.46	247.20	187.92
360.0	801.76	760.03	703.56	621.22	550.05	476.49	383.61	310.17	241.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	166.44	116.75	80.70	58.29	53.84	50.21	46.94	43.42	41.73
45.0	311.40	311.40	142.39	97.85	63.91	55.77	51.91	47.40	44.65
90.0	191.54	137.88	93.87	60.28	54.43	50.56	47.17	43.83	41.08
135.0	298.52	218.70	118.74	78.71	58.99	51.73	48.28	45.24	43.01
180.0	304.96	137.64	84.62	59.46	50.97	47.81	44.13	41.73	39.03
225.0	119.03	81.05	57.41	51.91	47.58	44.59	41.79	39.80	37.98
270.0	164.16	114.88	78.19	56.06	51.73	48.57	44.77	42.02	40.38
315.0	125.47	87.67	64.49	54.72	49.74	46.41	43.54	41.43	39.44
360.0	166.44	116.75	80.70	58.29	53.84	50.21	46.94	43.42	41.73

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	40.20	39.09	37.75	36.99	36.17	35.17	34.53	33.36	32.36
45.0	42.25	40.56	38.98	37.63	37.04	36.17	35.35	34.65	33.83
90.0	39.15	37.92	36.93	35.99	35.35	34.18	33.94	33.24	32.30
135.0	40.20	38.98	37.57	36.40	35.87	35.17	34.35	33.77	33.36
180.0	37.63	36.23	35.17	34.18	33.59	32.77	32.13	31.60	30.90
225.0	36.40	35.46	34.94	34.18	33.01	32.48	32.01	30.84	30.26
270.0	38.68	37.51	36.40	35.82	35.00	33.88	33.47	32.66	31.72
315.0	38.10	36.93	35.99	35.11	34.41	33.30	32.71	31.66	30.61
360.0	40.20	39.09	37.75	36.99	36.17	35.17	34.53	33.36	32.36
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.49	30.14	28.97	27.51	25.93	24.05	22.30	20.60	19.49
45.0	32.89	32.19	30.78	29.73	28.62	26.98	24.87	23.47	21.13
90.0	31.60	30.61	29.50	28.44	26.98	24.93	23.53	21.07	19.84
135.0	32.36	31.89	30.78	29.73	28.50	26.86	25.16	23.70	21.48
180.0	30.20	29.44	28.38	27.51	25.81	24.29	23.00	21.24	19.37
225.0	28.97	27.86	26.98	25.05	23.53	22.12	20.25	18.84	17.73
270.0	30.61	29.50	28.38	27.15	25.22	23.88	22.00	20.31	19.08
315.0	29.67	28.56	27.51	25.57	24.11	22.47	20.72	19.31	18.08
360.0	31.49	30.14	28.97	27.51	25.93	24.05	22.30	20.60	19.49
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.97	16.97	15.86	14.81	14.05	13.34	12.58	12.17	11.88
45.0	19.78	18.67	17.15	16.21	15.39	14.40	13.58	12.93	12.41
90.0	18.73	17.09	16.33	15.45	14.34	13.46	12.87	12.29	11.94
135.0	20.13	18.73	17.50	16.33	15.39	14.40	13.75	12.93	12.35
180.0	18.38	16.80	15.86	15.10	13.81	13.11	12.58	12.06	11.59
225.0	16.44	15.63	14.51	13.52	12.93	12.41	11.82	11.53	11.24
270.0	17.56	16.62	15.80	14.75	13.69	13.11	12.41	12.00	11.70
315.0	16.62	15.80	14.86	13.81	13.23	12.64	12.11	11.76	11.53
360.0	17.97	16.97	15.86	14.81	14.05	13.34	12.58	12.17	11.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.47	11.24	10.94	10.77	10.48	10.24	10.01	9.83	9.54
45.0	12.00	11.59	11.29	11.06	10.77	10.53	10.36	10.07	9.83
90.0	11.53	11.29	11.06	10.77	10.53	10.30	10.12	9.89	9.60
135.0	12.00	11.70	11.41	11.12	10.94	10.77	10.42	10.24	10.01
180.0	11.35	11.12	10.89	10.59	10.42	10.24	10.01	9.77	9.60
225.0	11.00	10.77	10.53	10.36	10.12	9.95	9.71	9.54	9.31
270.0	11.41	11.12	10.94	10.65	10.42	10.18	10.01	9.71	9.54
315.0	11.24	10.94	10.71	10.53	10.30	10.01	9.77	9.60	9.36
360.0	11.47	11.24	10.94	10.77	10.48	10.24	10.01	9.83	9.54
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.36	9.13	8.95	8.72	8.54	8.43	8.31	8.25	8.08
45.0	9.60	9.36	9.25	9.01	8.78	8.66	8.49	8.37	8.19
90.0	9.42	9.25	9.07	8.90	8.72	8.54	8.37	8.25	8.49
135.0	9.71	9.54	9.31	9.13	8.95	8.78	8.66	8.43	8.25
180.0	9.31	9.19	8.95	8.84	8.66	8.49	8.37	8.19	8.08
225.0	9.13	8.90	8.72	8.66	8.43	8.31	8.19	8.02	8.08
270.0	9.31	9.13	8.95	8.78	8.60	8.49	8.25	8.25	8.02
315.0	9.19	8.95	8.78	8.60	8.49	8.31	8.25	8.08	8.19
360.0	9.36	9.13	8.95	8.72	8.54	8.43	8.31	8.25	8.08

Intensity data(cd)

C/ γ (°)	90.0
0.0	8.19
45.0	8.08
90.0	8.08
135.0	8.19
180.0	8.02
225.0	8.08
270.0	8.13
315.0	8.08
360.0	8.19