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NT

Client:

LumCAT: 3-2805-L

Luminaire: 92.70.412.00

Report No: 2024302-B001

Ballast type: AC

Test No: 2024302-C001

Voltage(V): 34.190

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.120

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2230.89, Efficiency(%): 86.64% , Luminous Efficacy(lm/W): 123.12

Central intensity(cd): 9518.451, Maximum intensity(cd): 9518.451

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.4

[C90/270]Total=18.4

Field angle(10%Imax): [C0/180]Total=54.2

[C90/270]Total=54.2

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

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(%): 86.64%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.664%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/02
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	9518.451	0.000	0	0.00%	0.00%
1.0	9436.958	9.070	9.07	0.35%	0.41%
2.0	9143.687	26.669	35.739	1.04%	1.60%
3.0	8733.737	42.757	78.495	1.66%	3.52%
4.0	8176.749	56.605	135.1	2.20%	6.06%
5.0	7524.077	67.544	202.644	2.62%	9.08%
6.0	6824.806	75.407	278.052	2.93%	12.46%
7.0	6115.440	80.320	358.371	3.12%	16.06%
8.0	5457.282	82.824	441.195	3.22%	19.78%
9.0	4868.545	83.685	524.88	3.25%	23.53%
10.0	4356.327	83.482	608.362	3.24%	27.27%
11.0	3945.645	82.954	691.316	3.22%	30.99%
12.0	3568.029	82.135	773.451	3.19%	34.67%
13.0	3270.735	81.159	854.61	3.15%	38.31%
14.0	3001.385	80.283	934.893	3.12%	41.91%
15.0	2747.470	78.923	1013.815	3.06%	45.44%
16.0	2514.405	77.101	1090.917	2.99%	48.90%
17.0	2326.108	75.380	1166.296	2.93%	52.28%
18.0	2141.397	73.659	1239.956	2.86%	55.58%
19.0	1982.874	71.754	1311.71	2.79%	58.80%
20.0	1827.497	69.740	1381.45	2.71%	61.92%
21.0	1677.094	67.295	1448.745	2.61%	64.94%
22.0	1523.077	64.309	1513.054	2.50%	67.82%
23.0	1374.503	60.799	1573.853	2.36%	70.55%
24.0	1253.055	57.448	1631.301	2.23%	73.12%
25.0	1156.887	54.797	1686.098	2.13%	75.58%
26.0	1050.596	52.108	1738.206	2.02%	77.92%
27.0	956.411	49.102	1787.308	1.91%	80.12%
28.0	870.976	46.266	1833.573	1.80%	82.19%
29.0	779.000	43.168	1876.741	1.68%	84.13%
30.0	689.300	39.644	1916.385	1.54%	85.90%
31.0	589.278	35.581	1951.966	1.38%	87.50%
32.0	495.693	31.083	1983.049	1.21%	88.89%
33.0	403.271	26.484	2009.533	1.03%	90.08%
34.0	319.847	21.884	2031.417	0.85%	91.06%
35.0	256.043	17.885	2049.302	0.69%	91.86%
36.0	201.727	14.575	2063.877	0.57%	92.51%
37.0	138.589	11.099	2074.976	0.43%	93.01%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	104.938	8.129	2083.105	0.32%	93.38%
39.0	92.773	6.748	2089.853	0.26%	93.68%
40.0	86.072	6.237	2096.091	0.24%	93.96%
41.0	80.249	5.923	2102.014	0.23%	94.22%
42.0	75.275	5.650	2107.664	0.22%	94.48%
43.0	70.227	5.390	2113.054	0.21%	94.72%
44.0	65.611	5.127	2118.181	0.20%	94.95%
45.0	61.310	4.878	2123.058	0.19%	95.17%
46.0	57.389	4.642	2127.7	0.18%	95.37%
47.0	53.965	4.429	2132.129	0.17%	95.57%
48.0	50.805	4.235	2136.365	0.16%	95.76%
49.0	47.879	4.052	2140.417	0.16%	95.94%
50.0	45.684	3.901	2144.318	0.15%	96.12%
51.0	43.526	3.774	2148.092	0.15%	96.29%
52.0	41.792	3.661	2151.753	0.14%	96.45%
53.0	40.432	3.577	2155.33	0.14%	96.61%
54.0	39.334	3.516	2158.846	0.14%	96.77%
55.0	38.361	3.468	2162.314	0.13%	96.93%
56.0	37.476	3.427	2165.741	0.13%	97.08%
57.0	36.474	3.381	2169.122	0.13%	97.23%
58.0	35.296	3.319	2172.441	0.13%	97.38%
59.0	33.760	3.228	2175.67	0.13%	97.52%
60.0	31.961	3.105	2178.775	0.12%	97.66%
61.0	29.927	2.953	2181.728	0.11%	97.80%
62.0	27.864	2.785	2184.513	0.11%	97.92%
63.0	25.560	2.598	2187.111	0.10%	98.04%
64.0	23.628	2.414	2189.525	0.09%	98.15%
65.0	21.785	2.247	2191.772	0.09%	98.25%
66.0	20.322	2.101	2193.873	0.08%	98.34%
67.0	19.232	1.989	2195.862	0.08%	98.43%
68.0	18.574	1.915	2197.777	0.07%	98.52%
69.0	18.274	1.880	2199.657	0.07%	98.60%
70.0	18.120	1.869	2201.526	0.07%	98.68%
71.0	17.959	1.865	2203.391	0.07%	98.77%
72.0	17.608	1.849	2205.24	0.07%	98.85%
73.0	17.184	1.819	2207.059	0.07%	98.93%
74.0	16.730	1.783	2208.842	0.07%	99.01%
75.0	16.364	1.749	2210.591	0.07%	99.09%

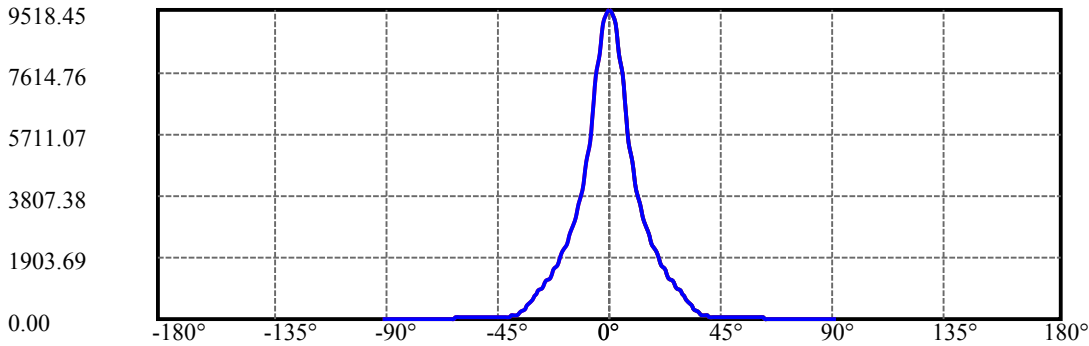
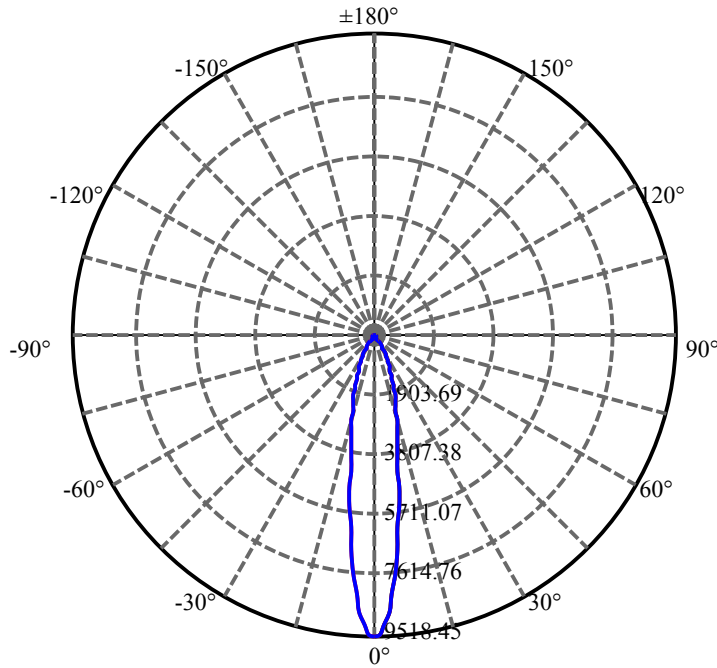
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.889	1.712	2212.303	0.07%	99.17%
77.0	15.479	1.672	2213.975	0.06%	99.24%
78.0	14.952	1.629	2215.604	0.06%	99.31%
79.0	14.484	1.582	2217.186	0.06%	99.39%
80.0	13.928	1.532	2218.718	0.06%	99.45%
81.0	13.146	1.464	2220.182	0.06%	99.52%
82.0	12.304	1.380	2221.562	0.05%	99.58%
83.0	11.573	1.298	2222.86	0.05%	99.64%
84.0	11.112	1.236	2224.096	0.05%	99.70%
85.0	10.790	1.195	2225.291	0.05%	99.75%
86.0	10.512	1.164	2226.456	0.05%	99.80%
87.0	10.256	1.137	2227.592	0.04%	99.85%
88.0	10.124	1.116	2228.709	0.04%	99.90%
89.0	9.912	1.098	2229.807	0.04%	99.95%
90.0	9.832	1.083	2230.889	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1916.39	74.42%	85.90%
0-40	2096.09	81.40%	93.96%
0-60	2178.77	84.61%	97.66%
0-90	2229.81	86.59%	99.95%
0-120	2229.81	86.59%	99.95%
0-180	2230.89	86.64%	100.00%
60-90	51.03	1.98%	2.29%
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%
0-26.95	1784.71	69.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	608.36
10-20	773.09
20-30	534.93
30-40	179.71
40-50	48.23
50-60	34.46
60-70	22.75
70-80	17.19
80-90	11.09
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



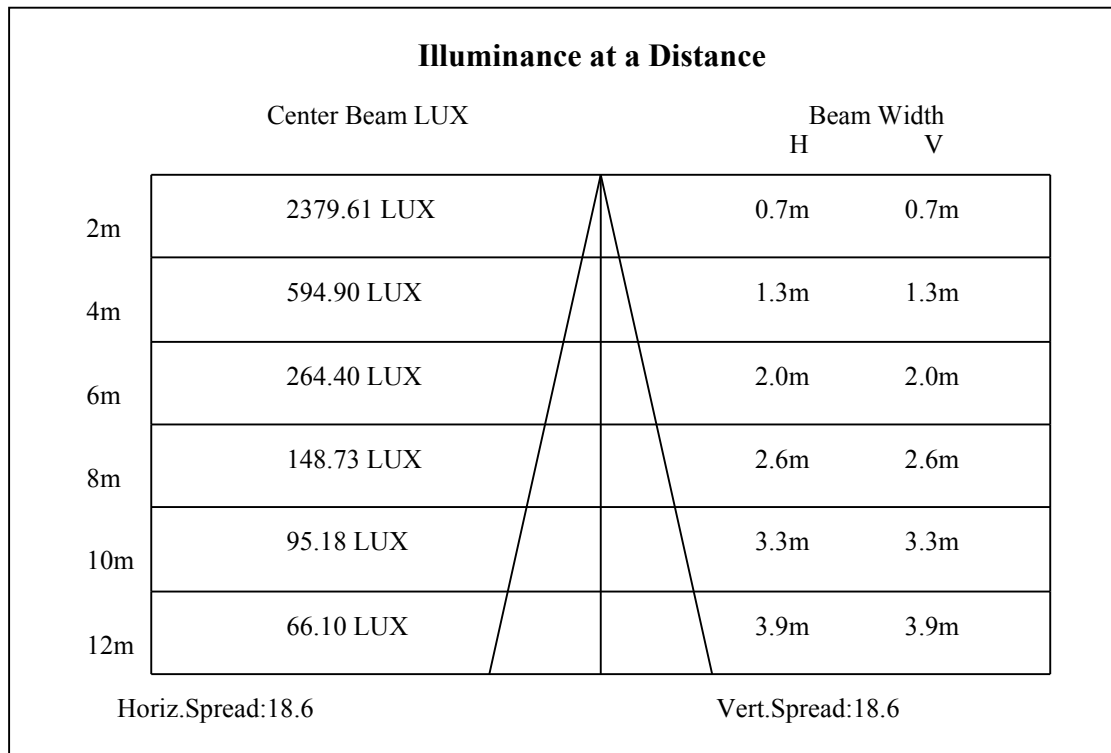
C0(Max): —————

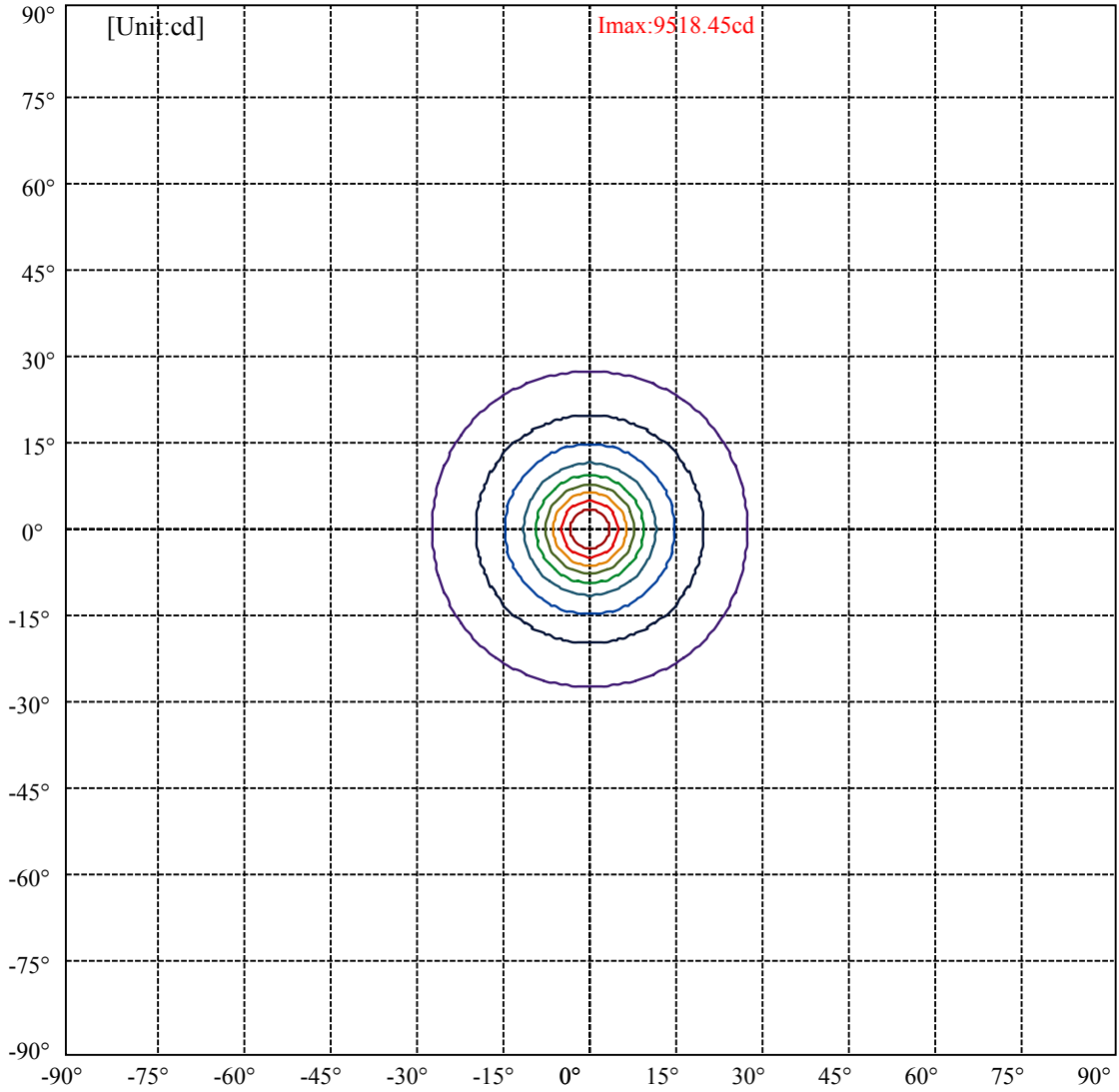
C0/C180: —————

C90/C270: —————

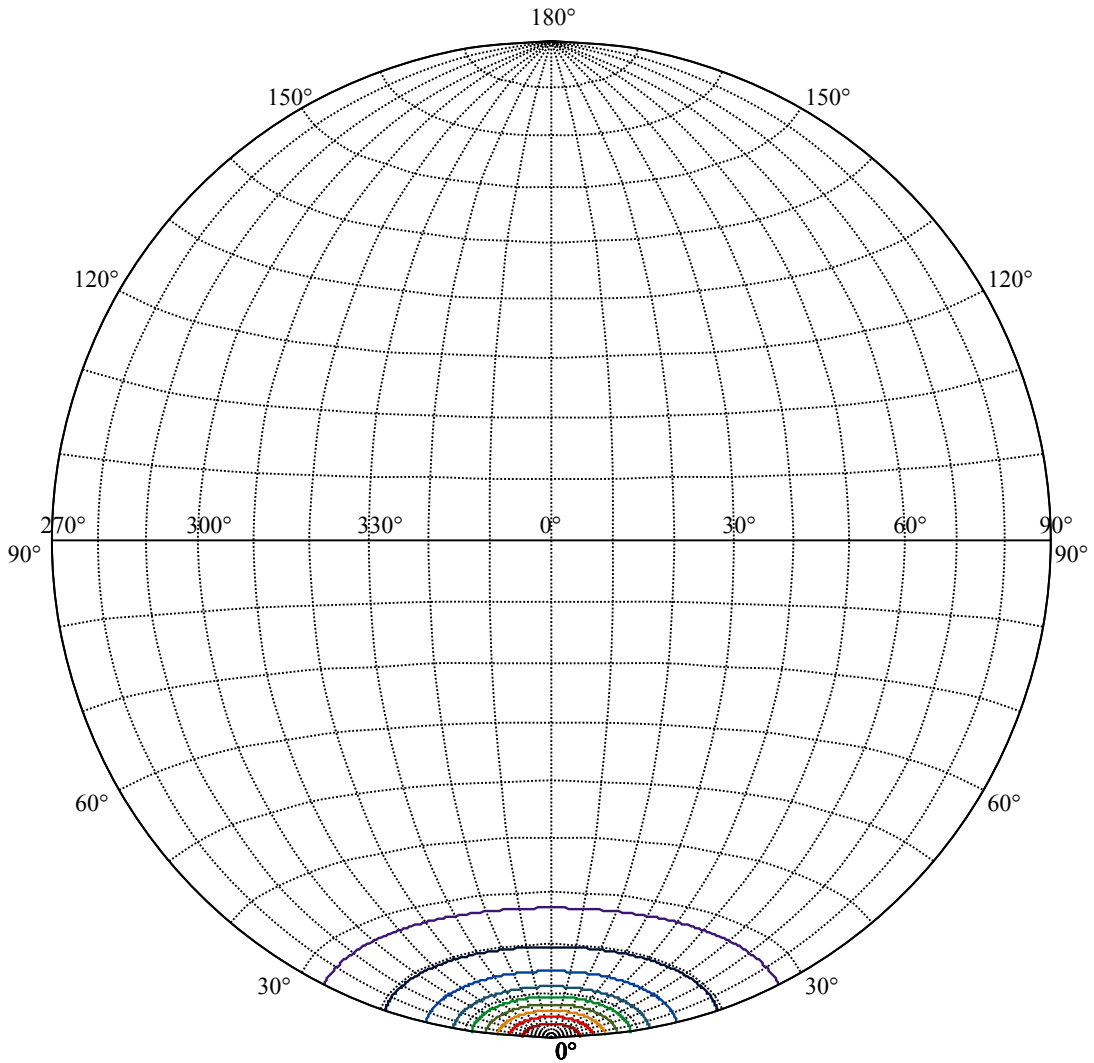
Field angle(10%Imax):C0/180Left:27.1 Right:27.1
:C90/270Left:27.1 Right:27.1

Beam Angle(50%Imax):C0/180Left:9.2 Right:9.2
:C90/270Left:9.2 Right:9.2





(10%Imax) 951.845	—
(20%Imax) 1903.69	—
(30%Imax) 2855.54	—
(40%Imax) 3807.38	—
(50%Imax) 4759.23	—
(60%Imax) 5711.07	—
(70%Imax) 6662.92	—
(80%Imax) 7614.76	—
(90%Imax) 8566.61	—



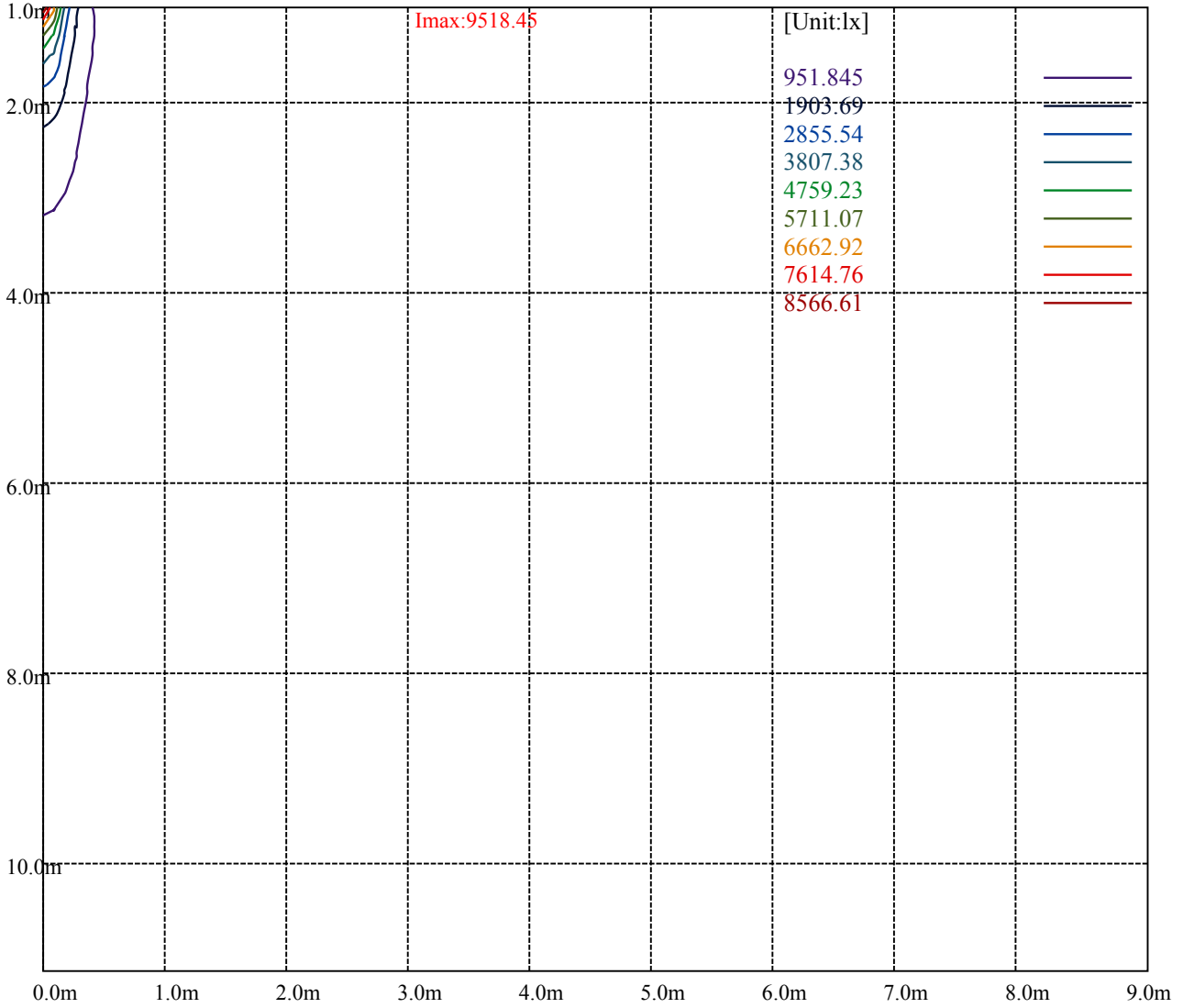
House

[Unit:cd]

Road

Imax:9518.45

(10%Imax) 951.845	—
(20%Imax) 1903.69	—
(30%Imax) 2855.54	—
(40%Imax) 3807.38	—
(50%Imax) 4759.23	—
(60%Imax) 5711.07	—
(70%Imax) 6662.92	—
(80%Imax) 7614.76	—
(90%Imax) 8566.61	—



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

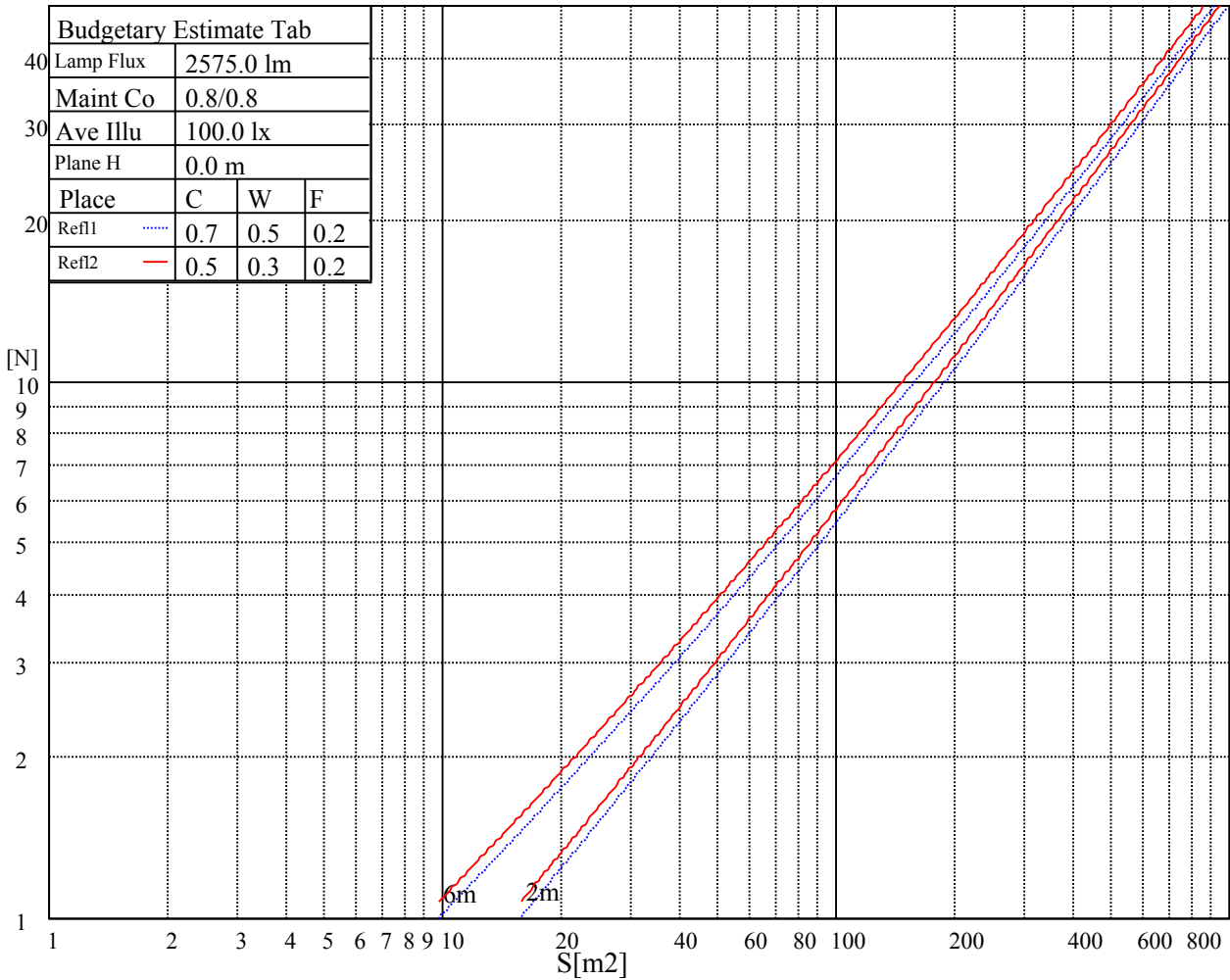
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

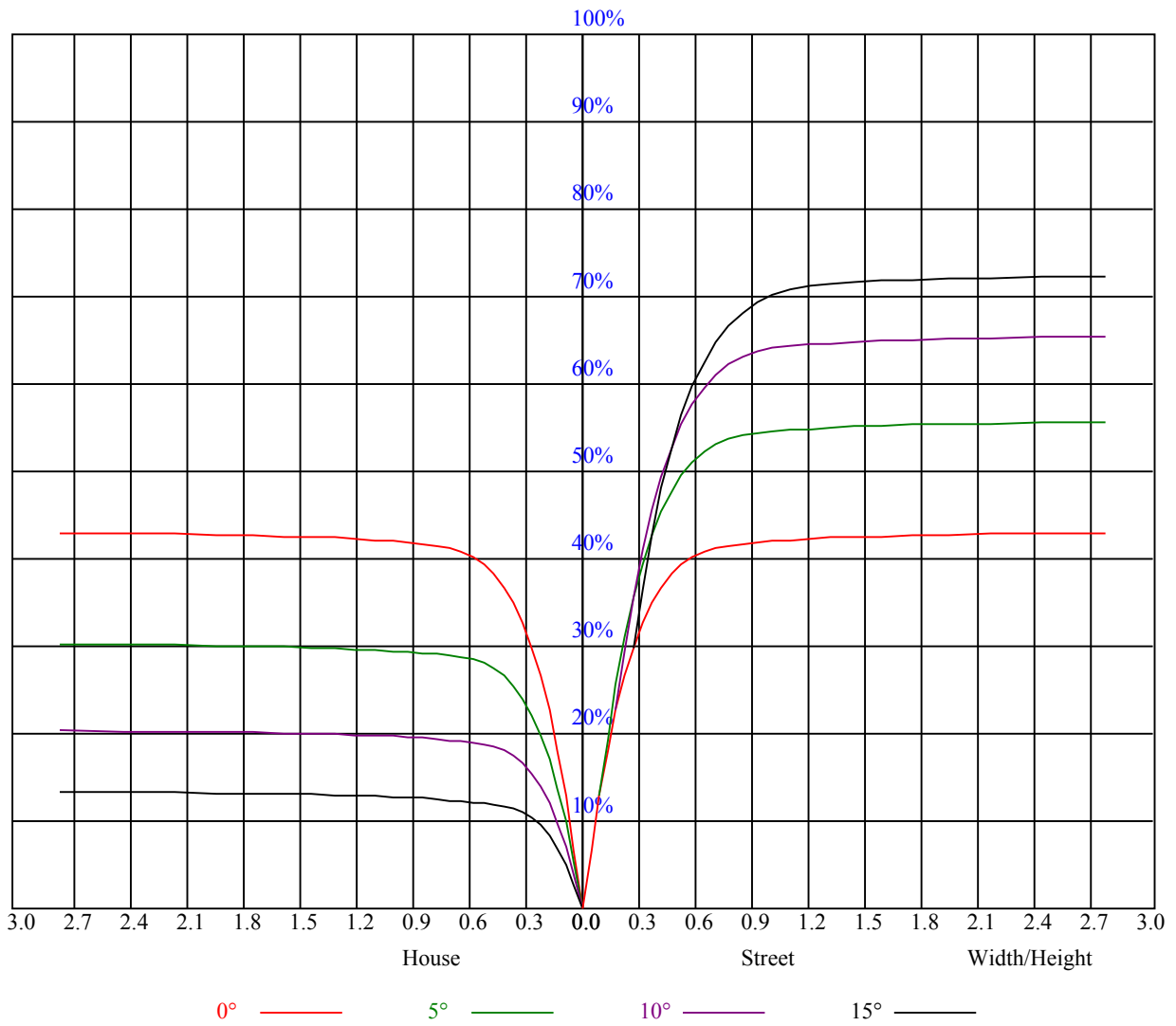


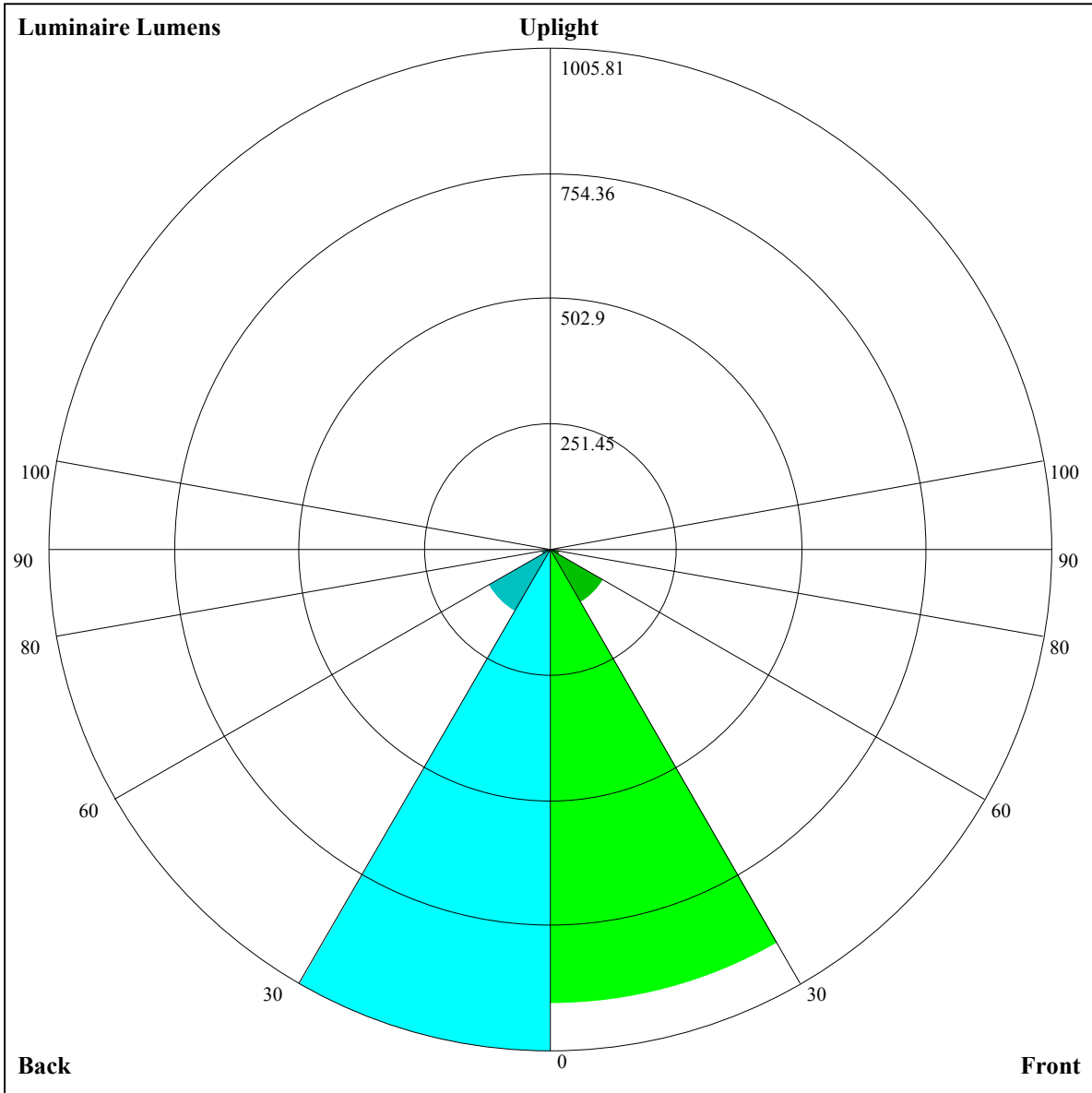
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.87
1	0.97	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.89	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	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.69	0.67
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	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	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.56	0.56





Luminaire Lumens:

FL=910.26,FM=121.13,FH=19.86,FVH=6.05

BL=1005.81,BM=143.03,BH=20.69,BVH=6.21

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	9295.19	8882.60	8225.98	7600.38	6910.98	6062.40	5418.07	4839.28	4251.72
45.0	9603.02	9446.18	9127.81	8660.80	7943.32	7291.38	6609.59	5780.91	5173.45
90.0	9530.45	9274.12	8753.27	8216.03	7603.89	6943.17	6114.49	5475.42	4896.05
135.0	9645.15	9593.65	9367.17	8989.70	8351.22	7760.73	7115.81	6280.69	5636.36
180.0	9295.19	9587.80	9642.81	9524.60	9232.57	8660.22	8115.96	7525.47	6849.53
225.0	9603.02	9578.44	9366.00	9005.50	8494.60	7775.94	7131.03	6274.84	5612.37
270.0	9530.45	9635.20	9574.34	9261.83	8830.52	8292.70	7547.71	6885.82	6018.51
315.0	9645.15	9497.68	9092.11	8611.06	8046.90	7406.08	6545.80	5861.09	5220.27
360.0	9295.19	8882.60	8225.98	7600.38	6910.98	6062.40	5418.07	4839.28	4251.72
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3873.66	3555.89	3269.71	2957.20	2729.55	2525.30	2340.37	2126.77	1981.05
45.0	4650.84	4124.14	3768.32	3461.66	3117.55	2875.27	2652.30	2394.80	2216.89
90.0	4313.75	3923.41	3588.66	3225.82	2971.83	2738.91	2471.46	2285.95	2120.33
135.0	5049.38	4539.65	4032.26	3689.90	3393.19	3128.09	2823.77	2603.72	2400.65
180.0	6010.32	5387.64	4815.88	4234.75	3864.30	3554.13	3209.43	2963.64	2730.72
225.0	5003.73	4375.79	3980.76	3647.18	3358.66	3040.30	2808.55	2601.38	2414.11
270.0	5376.52	4826.41	4349.45	3874.25	3551.79	3270.88	3016.89	2733.06	2517.70
315.0	4670.15	4117.70	3760.13	3453.47	3179.00	2878.20	2656.98	2405.92	2227.42
360.0	3873.66	3555.89	3269.71	2957.20	2729.55	2525.30	2340.37	2126.77	1981.05
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1848.78	1695.46	1573.73	1331.45	1164.42	1164.42	1050.24	952.10	880.65
45.0	2061.81	1917.26	1749.88	1624.64	1507.01	1385.29	1230.79	1108.47	1008.99
90.0	1936.57	1804.89	1679.65	1556.76	1312.13	1150.44	1150.44	1041.17	943.38
135.0	2189.97	2036.06	1858.15	1727.64	1604.16	1480.09	1318.57	1192.75	1077.46
180.0	2485.51	2302.33	2129.11	1977.53	1807.82	1682.00	1553.25	1428.59	1269.41
225.0	2203.43	2047.76	1904.38	1735.84	1608.26	1451.42	1165.18	1165.18	1082.55
270.0	2334.52	2167.73	1965.83	1829.47	1668.53	1540.96	1414.55	1256.54	1131.88
315.0	2070.58	1891.51	1759.24	1633.42	1512.28	1141.42	1141.42	1110.29	1010.45
360.0	1848.78	1695.46	1573.73	1331.45	1164.42	1164.42	1050.24	952.10	880.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	796.32	706.95	618.17	508.38	423.35	341.07	245.15	176.39	123.89
45.0	916.52	842.20	736.27	649.07	562.46	476.43	374.02	313.74	313.74
90.0	875.73	795.73	688.63	602.26	492.88	409.07	327.90	251.71	169.19
135.0	992.01	907.74	824.64	738.61	650.24	540.22	450.68	344.76	303.79
180.0	1147.68	1046.44	955.15	876.73	763.19	667.80	575.33	485.80	376.36
225.0	976.51	900.25	811.88	720.94	606.76	515.93	428.15	323.92	247.43
270.0	1030.05	933.49	850.39	762.61	670.73	558.36	471.16	385.72	304.38
315.0	916.46	835.00	746.86	655.80	544.61	456.65	353.77	276.75	209.57
360.0	796.32	706.95	618.17	508.38	423.35	341.07	245.15	176.39	123.89
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	96.91	90.24	83.39	78.54	72.98	67.24	62.97	59.11	55.48
45.0	151.69	101.13	89.77	83.63	78.71	73.04	68.41	64.43	59.40
90.0	119.56	95.57	88.31	81.05	76.61	72.28	67.83	62.33	58.64
135.0	303.79	121.20	100.83	93.11	86.50	79.88	75.20	70.87	66.25
180.0	314.32	314.32	154.91	112.48	102.71	94.98	89.36	82.46	77.54
225.0	182.18	126.53	109.50	101.01	92.52	86.85	81.76	76.61	70.52
270.0	304.38	151.98	115.17	101.42	94.40	89.01	82.75	78.07	73.39
315.0	140.98	107.74	97.62	90.94	84.16	78.71	73.91	67.94	63.67
360.0	96.91	90.24	83.39	78.54	72.98	67.24	62.97	59.11	55.48

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	51.32	48.40	45.88	43.89	41.49	40.26	38.74	37.40	36.69
45.0	56.06	52.85	49.16	46.47	43.72	41.90	40.44	39.27	37.81
90.0	55.19	51.21	48.69	45.47	43.42	41.61	40.26	39.03	38.27
135.0	61.27	57.47	54.19	50.50	47.93	45.65	43.01	41.20	39.85
180.0	72.68	67.13	63.15	59.22	55.13	51.85	48.52	46.23	44.42
225.0	66.19	62.03	58.46	54.25	51.21	48.75	46.00	44.13	42.60
270.0	67.83	63.73	59.75	56.88	53.43	50.86	48.52	46.12	43.95
315.0	59.93	56.30	52.44	49.74	46.70	44.59	42.72	40.97	39.85
360.0	51.32	48.40	45.88	43.89	41.49	40.26	38.74	37.40	36.69
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.05	35.29	34.12	32.54	31.13	28.62	27.15	24.99	22.77
45.0	36.99	36.40	35.76	34.94	33.59	32.01	29.85	27.80	26.22
90.0	37.40	36.75	36.05	34.88	33.36	31.43	28.91	27.04	24.29
135.0	38.92	38.22	37.57	36.58	35.52	34.35	32.89	30.20	28.44
180.0	42.84	40.79	39.56	38.80	38.10	37.04	35.82	34.41	31.84
225.0	41.08	39.74	38.92	37.92	36.99	35.41	33.42	31.66	29.85
270.0	42.66	41.79	40.79	39.74	38.39	37.22	36.11	33.83	31.60
315.0	38.74	37.92	37.04	36.40	35.29	34.00	31.54	29.50	27.92
360.0	36.05	35.29	34.12	32.54	31.13	28.62	27.15	24.99	22.77
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.13	19.55	18.73	17.62	17.03	16.39	16.09	16.04	15.92
45.0	23.47	22.18	20.42	19.25	18.43	18.02	18.32	19.02	19.08
90.0	22.77	20.54	19.37	18.49	17.79	18.43	19.14	19.02	18.55
135.0	25.69	24.05	21.54	20.31	18.96	18.08	17.38	16.68	16.21
180.0	30.43	27.86	25.46	23.29	21.48	20.01	18.79	18.02	17.32
225.0	27.15	25.05	22.71	21.48	20.01	18.79	17.91	17.56	17.56
270.0	29.14	26.63	24.87	22.36	21.36	20.83	21.30	21.83	22.59
315.0	24.70	23.17	21.19	19.78	18.79	18.02	17.26	16.80	16.44
360.0	21.13	19.55	18.73	17.62	17.03	16.39	16.09	16.04	15.92
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.92	15.74	15.33	14.81	14.40	13.87	13.11	12.41	12.00
45.0	18.90	18.67	18.32	18.14	17.44	17.21	16.74	16.33	15.33
90.0	18.14	17.79	17.15	16.74	16.33	15.80	15.16	14.69	13.81
135.0	15.74	15.33	14.86	14.46	14.16	13.87	13.46	13.11	12.70
180.0	16.56	15.98	15.57	15.39	15.16	14.81	14.51	14.05	13.69
225.0	17.50	17.03	16.80	16.68	16.33	15.92	15.63	15.33	15.10
270.0	22.06	21.36	20.66	19.96	18.96	18.43	17.56	16.85	16.21
315.0	16.04	15.57	15.16	14.75	14.34	13.93	13.46	13.11	12.58
360.0	15.92	15.74	15.33	14.81	14.40	13.87	13.11	12.41	12.00
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.59	11.24	10.89	10.59	10.30	10.07	9.89	9.66	9.54
45.0	13.93	11.88	11.35	11.06	10.71	10.42	10.12	9.95	9.77
90.0	12.06	11.53	11.12	10.77	10.42	10.24	10.01	9.83	9.54
135.0	12.29	11.94	11.47	11.24	10.83	10.48	10.36	10.18	9.71
180.0	13.05	12.41	11.94	11.47	11.18	10.83	10.59	10.42	10.30
225.0	14.46	13.11	12.06	11.24	11.00	10.71	10.42	10.48	10.42
270.0	15.57	14.51	12.23	11.35	11.06	10.77	10.48	10.36	10.30
315.0	12.23	11.82	11.53	11.18	10.83	10.59	10.18	10.12	9.71
360.0	11.59	11.24	10.89	10.59	10.30	10.07	9.89	9.66	9.54

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.60
90.0	9.54
135.0	9.66
180.0	10.18
225.0	10.30
270.0	10.12
315.0	9.66
360.0	9.60