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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.427.00

Report No: 2024727-B015

Ballast type: AC

Test No: 2024727-C015

Voltage(V): 35.760

LampCAT: TRIDONIC SLE G7 9MM

Current(A): 0.360

Lamp flux(lm): 2026.0

Power (W): 12.873

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1903.84, Efficiency(%): 93.97% , Luminous Efficacy(lm/W): 147.89

Central intensity(cd): 3781.271, Maximum intensity(cd): 3781.271

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=41.4

[C90/270]Total=41.4

Field angle(10%Imax): [C0/180]Total=65.4

[C90/270]Total=65.4

Maximum s/h(1/2): C0\_180=0.67 C90\_270=0.67

Maximum s/h(1/4): C0\_180=0.65 C90\_270=0.65

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.918%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/7/27  
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	3781.270	0.000	0	0.00%	0.00%
1.0	3774.394	3.615	3.615	0.18%	0.19%
2.0	3757.788	10.811	14.426	0.53%	0.76%
3.0	3732.697	17.915	32.341	0.88%	1.70%
4.0	3702.265	24.887	57.228	1.23%	3.01%
5.0	3657.861	31.663	88.891	1.56%	4.67%
6.0	3609.214	38.190	127.081	1.89%	6.68%
7.0	3551.204	44.445	171.526	2.19%	9.01%
8.0	3483.025	50.343	221.869	2.48%	11.65%
9.0	3418.577	55.934	277.802	2.76%	14.59%
10.0	3332.183	61.092	338.894	3.02%	17.80%
11.0	3245.424	65.724	404.618	3.24%	21.25%
12.0	3136.426	69.763	474.381	3.44%	24.92%
13.0	3033.645	73.223	547.604	3.61%	28.76%
14.0	2906.505	76.033	623.637	3.75%	32.76%
15.0	2776.146	78.014	701.651	3.85%	36.85%
16.0	2635.839	79.301	780.952	3.91%	41.02%
17.0	2478.194	79.639	860.591	3.93%	45.20%
18.0	2328.084	79.245	939.836	3.91%	49.37%
19.0	2160.270	78.088	1017.925	3.85%	53.47%
20.0	2007.161	76.276	1094.2	3.76%	57.47%
21.0	1850.101	74.067	1168.267	3.66%	61.36%
22.0	1658.542	70.508	1238.775	3.48%	65.07%
23.0	1500.780	66.291	1305.066	3.27%	68.55%
24.0	1357.144	62.484	1367.551	3.08%	71.83%
25.0	1205.666	58.273	1425.823	2.88%	74.89%
26.0	1086.653	54.110	1479.934	2.67%	77.73%
27.0	969.279	50.299	1530.233	2.48%	80.38%
28.0	844.750	45.927	1576.16	2.27%	82.79%
29.0	728.569	41.162	1617.323	2.03%	84.95%
30.0	619.878	36.408	1653.73	1.80%	86.86%
31.0	521.253	31.756	1685.486	1.57%	88.53%
32.0	432.225	27.316	1712.802	1.35%	89.97%
33.0	354.324	23.172	1735.974	1.14%	91.18%
34.0	292.613	19.578	1755.553	0.97%	92.21%
35.0	225.787	16.100	1771.652	0.79%	93.06%
36.0	197.140	13.466	1785.118	0.66%	93.76%
37.0	144.039	11.127	1796.246	0.55%	94.35%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	101.507	8.196	1804.442	0.40%	94.78%
39.0	79.196	6.168	1810.61	0.30%	95.10%
40.0	64.653	5.017	1815.626	0.25%	95.37%
41.0	53.943	4.223	1819.85	0.21%	95.59%
42.0	46.877	3.663	1823.513	0.18%	95.78%
43.0	41.244	3.264	1826.777	0.16%	95.95%
44.0	37.484	2.971	1829.748	0.15%	96.11%
45.0	34.404	2.763	1832.511	0.14%	96.25%
46.0	32.158	2.603	1835.114	0.13%	96.39%
47.0	30.146	2.478	1837.592	0.12%	96.52%
48.0	28.537	2.372	1839.964	0.12%	96.64%
49.0	27.220	2.290	1842.254	0.11%	96.77%
50.0	25.933	2.216	1844.47	0.11%	96.88%
51.0	24.960	2.153	1846.623	0.11%	96.99%
52.0	24.023	2.102	1848.725	0.10%	97.11%
53.0	23.285	2.058	1850.783	0.10%	97.21%
54.0	22.531	2.019	1852.802	0.10%	97.32%
55.0	21.924	1.984	1854.787	0.10%	97.42%
56.0	21.302	1.953	1856.74	0.10%	97.53%
57.0	20.673	1.919	1858.659	0.09%	97.63%
58.0	20.051	1.883	1860.543	0.09%	97.73%
59.0	19.495	1.849	1862.391	0.09%	97.82%
60.0	18.895	1.814	1864.205	0.09%	97.92%
61.0	18.318	1.776	1865.981	0.09%	98.01%
62.0	17.740	1.737	1867.718	0.09%	98.10%
63.0	17.235	1.701	1869.419	0.08%	98.19%
64.0	16.650	1.663	1871.082	0.08%	98.28%
65.0	16.196	1.626	1872.708	0.08%	98.36%
66.0	15.713	1.592	1874.3	0.08%	98.45%
67.0	15.318	1.560	1875.86	0.08%	98.53%
68.0	14.835	1.527	1877.388	0.08%	98.61%
69.0	14.360	1.489	1878.877	0.07%	98.69%
70.0	13.906	1.452	1880.329	0.07%	98.77%
71.0	13.431	1.413	1881.742	0.07%	98.84%
72.0	13.094	1.379	1883.121	0.07%	98.91%
73.0	12.787	1.353	1884.474	0.07%	98.98%
74.0	12.509	1.330	1885.804	0.07%	99.05%
75.0	12.268	1.309	1887.113	0.06%	99.12%

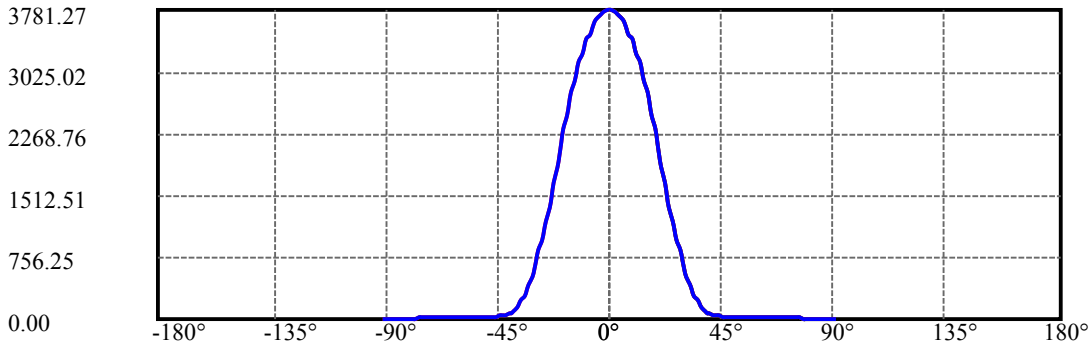
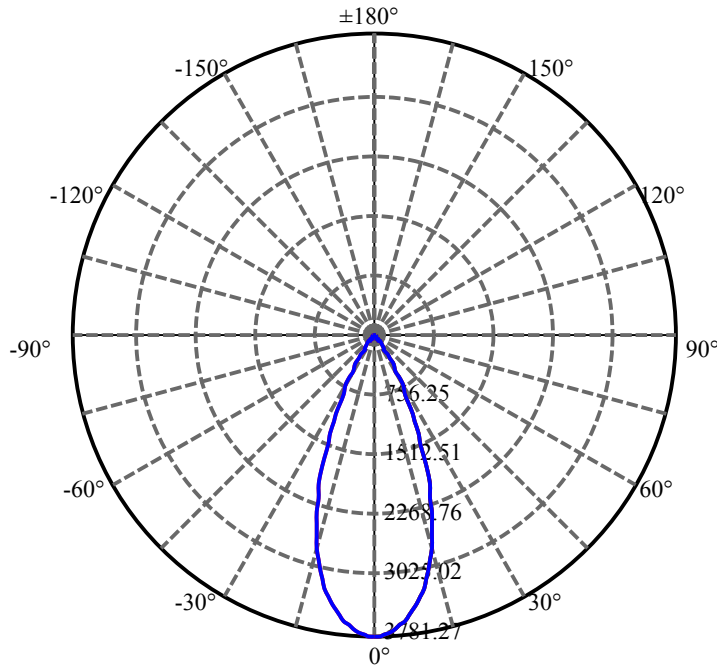
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.990	1.288	1888.401	0.06%	99.19%
77.0	11.734	1.265	1889.666	0.06%	99.26%
78.0	11.463	1.242	1890.908	0.06%	99.32%
79.0	11.207	1.218	1892.126	0.06%	99.38%
80.0	10.958	1.195	1893.321	0.06%	99.45%
81.0	10.702	1.171	1894.492	0.06%	99.51%
82.0	10.497	1.150	1895.642	0.06%	99.57%
83.0	10.256	1.128	1896.77	0.06%	99.63%
84.0	10.022	1.105	1897.875	0.05%	99.69%
85.0	9.751	1.079	1898.954	0.05%	99.74%
86.0	9.276	1.040	1899.994	0.05%	99.80%
87.0	8.954	0.998	1900.991	0.05%	99.85%
88.0	8.734	0.969	1901.96	0.05%	99.90%
89.0	8.559	0.948	1902.908	0.05%	99.95%
90.0	8.442	0.932	1903.84	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1653.73	81.63%	86.86%
0-40	1815.63	89.62%	95.37%
0-60	1864.21	92.01%	97.92%
0-90	1902.91	93.92%	99.95%
0-120	1902.91	93.92%	99.95%
0-180	1903.84	93.97%	100.00%
60-90	38.70	1.91%	2.03%
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%
0-26.86	1523.07	75.18%	80.00%

ZONAL LUMEN SUMMARY

0-10	338.89
10-20	755.31
20-30	559.53
30-40	161.90
40-50	28.84
50-60	19.74
60-70	16.12
70-80	12.99
80-90	9.59
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



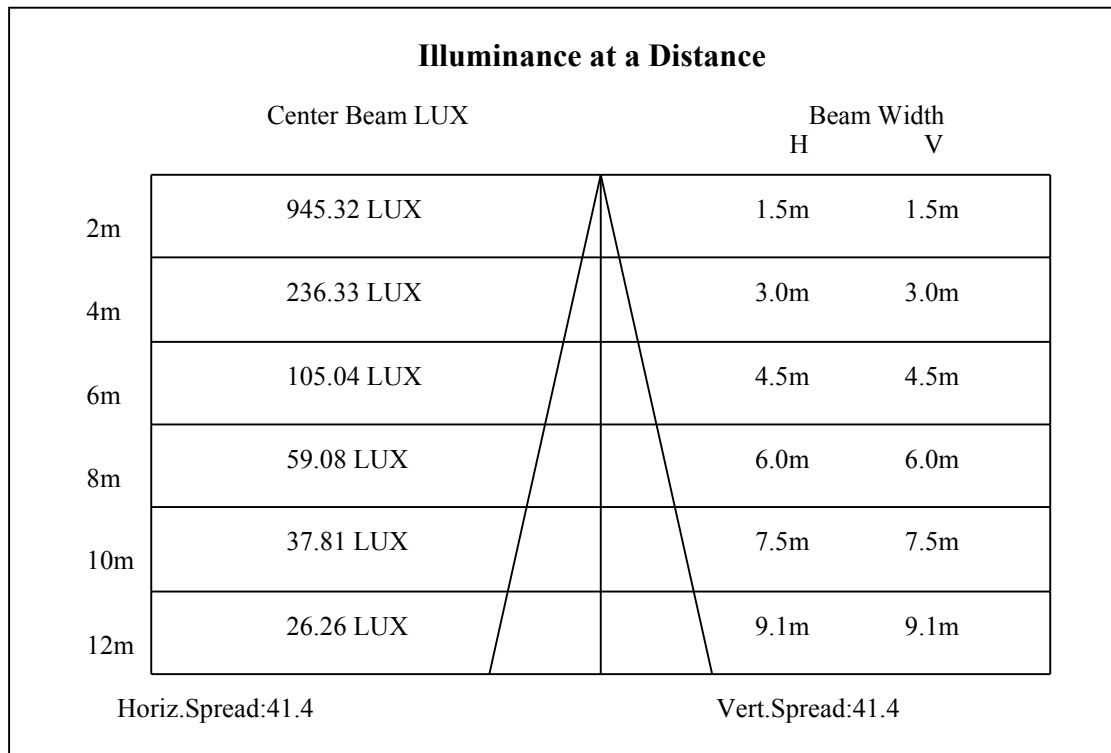
C0(Max): —————

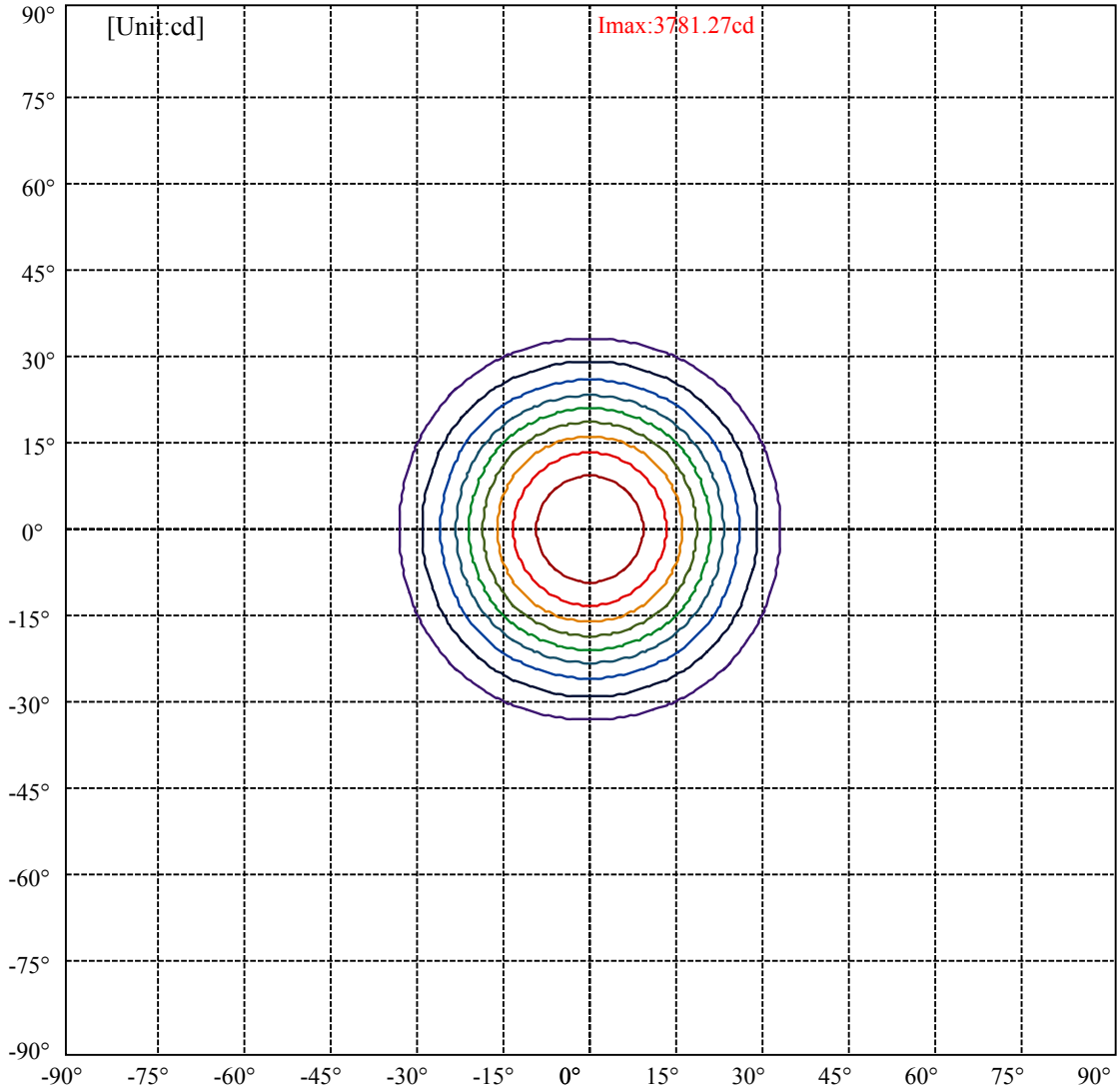
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:32.7 Right:32.7  
:C90/270Left:32.7 Right:32.7

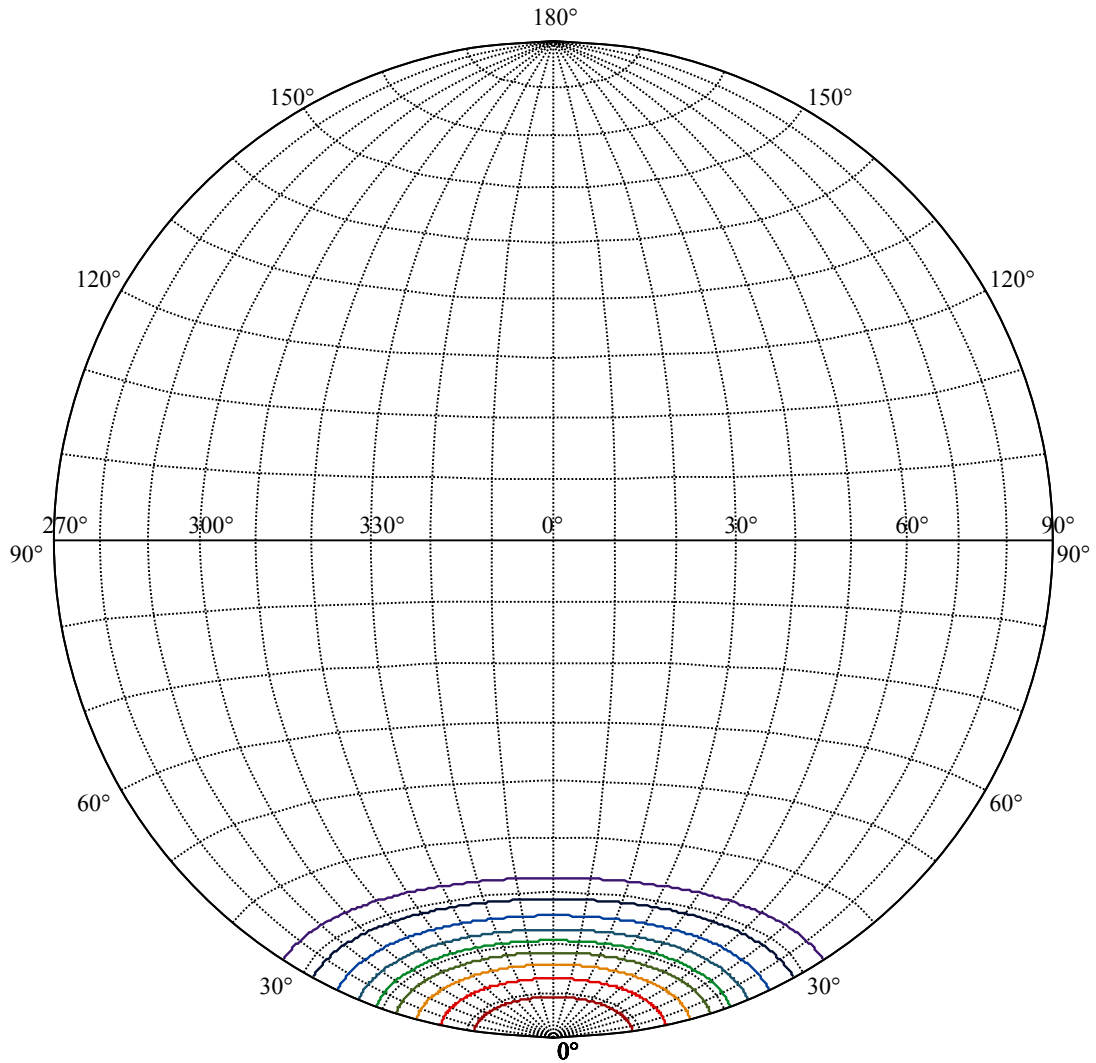
Beam Angle(50%Imax):C0/180Left:20.7 Right:20.7  
:C90/270Left:20.7 Right:20.7





(10%I <sub>max</sub> ) 378.127	—
(20%I <sub>max</sub> ) 756.254	—
(30%I <sub>max</sub> ) 1134.38	—
(40%I <sub>max</sub> ) 1512.51	—
(50%I <sub>max</sub> ) 1890.64	—
(60%I <sub>max</sub> ) 2268.76	—
(70%I <sub>max</sub> ) 2646.89	—
(80%I <sub>max</sub> ) 3025.02	—
(90%I <sub>max</sub> ) 3403.14	—





House

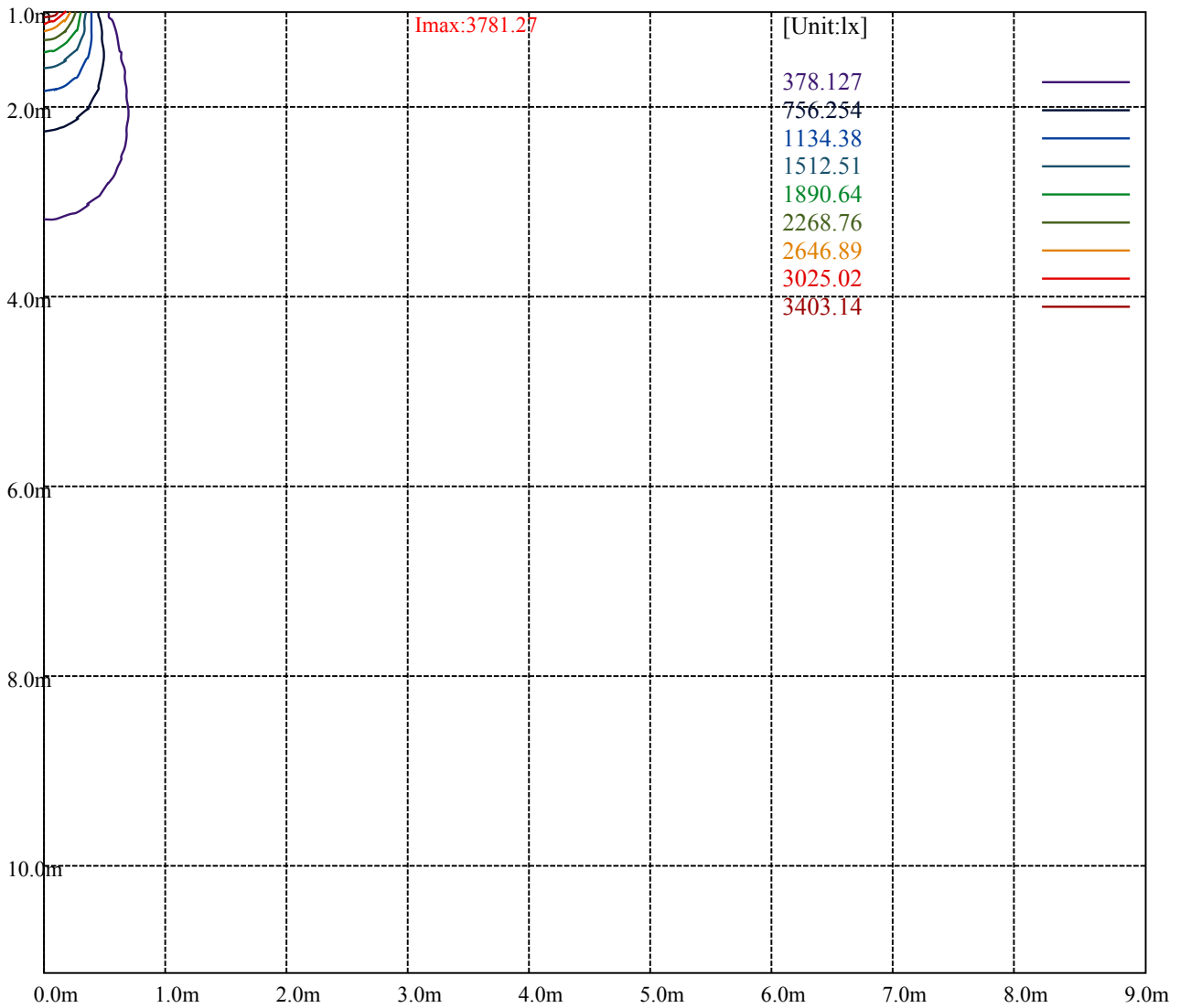
[Unit:cd]

Road

**Imax:3781.27**

(10%Imax)	378.127	—
(20%Imax)	756.254	—
(30%Imax)	1134.38	—
(40%Imax)	1512.51	—
(50%Imax)	1890.64	—
(60%Imax)	2268.76	—
(70%Imax)	2646.89	—
(80%Imax)	3025.02	—
(90%Imax)	3403.14	—





Luminance Table

$\gamma$	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

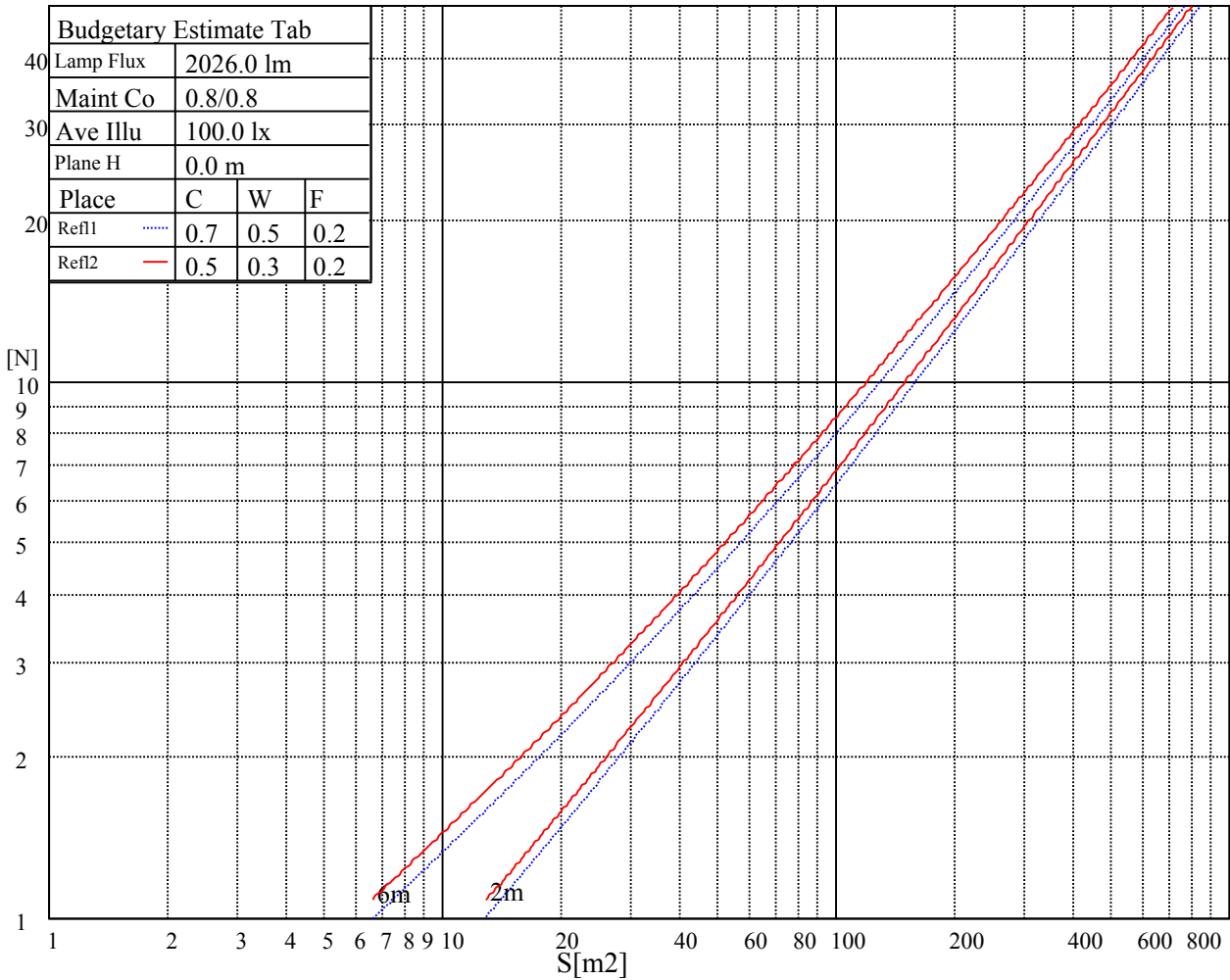
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

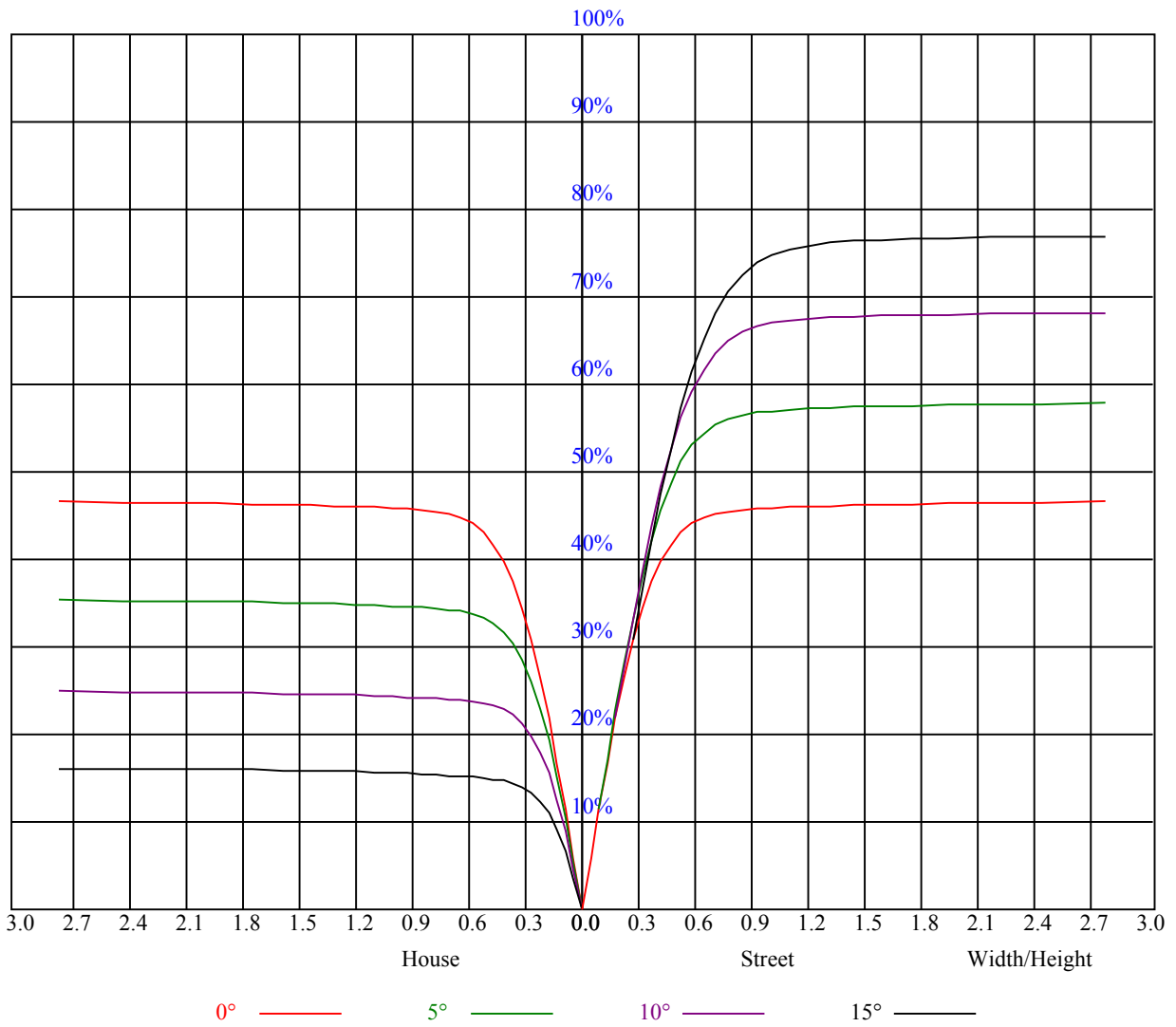


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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					

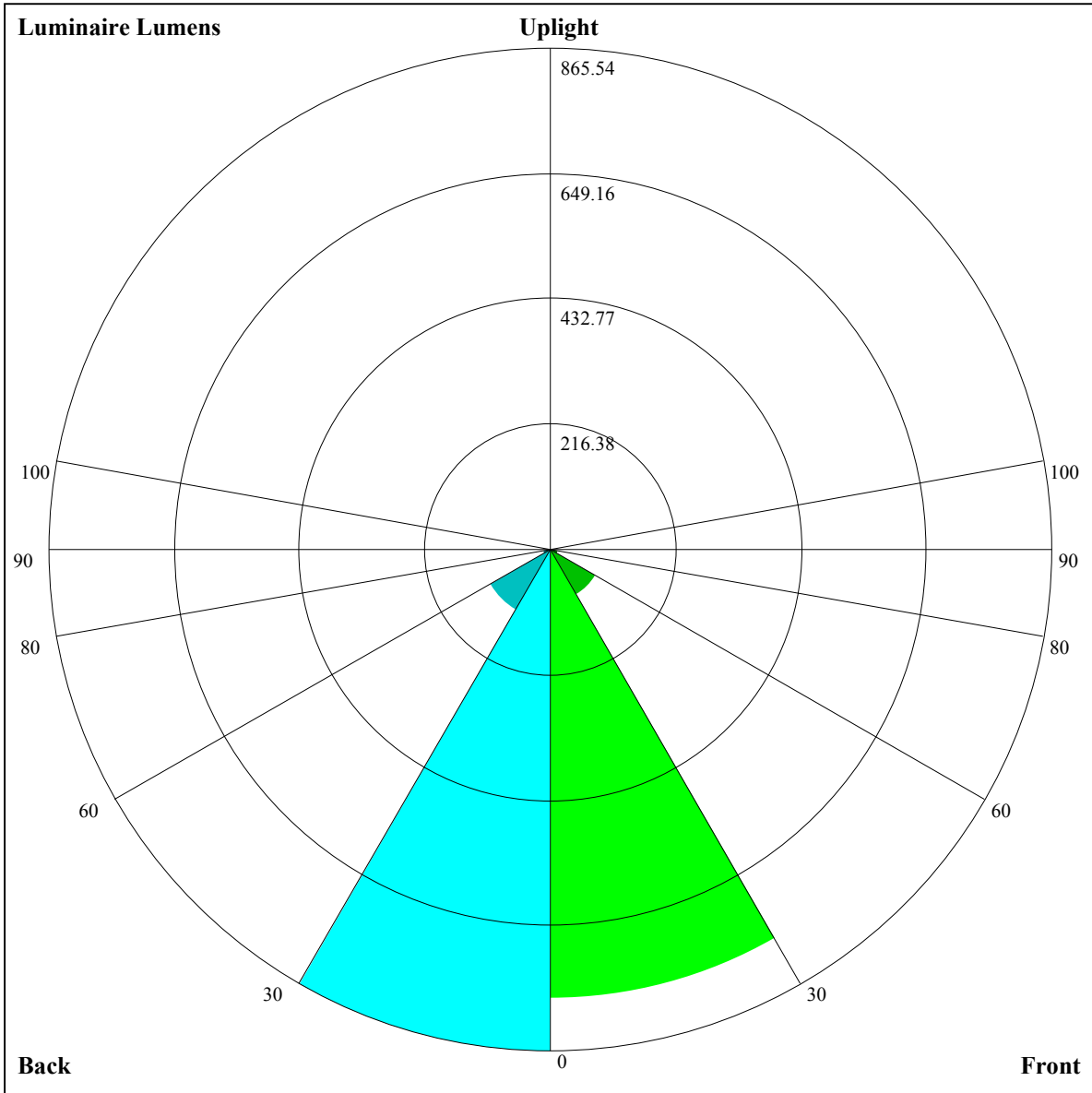
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.88	0.85	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.81	0.79
4	0.88	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
7	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
10	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.57







Luminaire Lumens:

FL=776.73,FM=90.34,FH=14.53,FVH=5.25

BL=865.54,BM=120.7,BH=14.4,BVH=5.27

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	3754.86	3674.69	3619.09	3563.49	3507.90	3430.65	3364.52	3289.61	3191.29
45.0	3819.24	3764.81	3721.50	3686.98	3623.19	3557.64	3489.76	3428.31	3352.23
90.0	3781.78	3775.93	3751.94	3727.94	3672.93	3602.70	3555.89	3505.56	3417.77
135.0	3764.23	3787.63	3812.21	3833.28	3845.57	3816.31	3779.44	3730.28	3685.81
180.0	3754.86	3795.83	3826.26	3839.13	3862.54	3874.83	3857.86	3833.28	3797.58
225.0	3829.19	3855.52	3854.94	3819.24	3820.41	3806.36	3762.47	3704.53	3640.16
270.0	3781.78	3813.38	3825.67	3792.32	3734.96	3684.64	3655.37	3587.49	3519.60
315.0	3764.23	3727.36	3650.69	3599.19	3550.62	3489.76	3408.41	3330.57	3259.76
360.0	3754.86	3674.69	3619.09	3563.49	3507.90	3430.65	3364.52	3289.61	3191.29
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3122.23	3029.77	2927.35	2806.21	2717.26	2576.22	2452.74	2318.72	2158.95
45.0	3290.19	3210.60	3121.06	2990.56	2885.22	2772.27	2613.67	2490.19	2323.99
90.0	3342.28	3215.28	3110.53	3002.26	2878.78	2702.63	2551.05	2391.87	2230.35
135.0	3636.06	3569.35	3492.10	3374.47	3265.03	3154.42	3030.35	2841.91	2680.39
180.0	3730.87	3665.91	3610.31	3529.55	3434.16	3311.26	3203.58	3081.85	2898.68
225.0	3581.05	3501.46	3421.28	3332.33	3226.99	3076.00	2966.56	2844.84	2668.68
270.0	3453.47	3363.93	3277.90	3175.49	3083.02	2974.17	2859.47	2707.31	2583.83
315.0	3192.46	3101.17	3002.85	2880.54	2778.71	2685.07	2531.74	2410.02	2280.68
360.0	3122.23	3029.77	2927.35	2806.21	2717.26	2576.22	2452.74	2318.72	2158.95
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2030.79	1900.87	1776.80	1607.67	1483.02	1147.33	1147.33	1053.87	924.89
45.0	2189.97	2047.18	1897.94	1715.35	1571.39	1428.01	1292.82	1116.08	983.82
90.0	2021.43	1857.56	1697.21	1547.39	1143.24	1143.24	1112.40	970.24	870.35
135.0	2513.01	2307.60	2133.79	1963.49	1757.49	1604.16	1423.33	1287.55	1163.49
180.0	2741.25	2534.08	2357.93	2184.70	1979.87	1810.16	1643.37	1492.38	1322.08
225.0	2520.62	2323.99	2173.58	2019.67	1821.28	1669.71	1522.23	1141.77	1141.77
270.0	2448.05	2308.77	2138.47	2010.89	1880.97	1735.84	1552.66	1420.40	1257.71
315.0	2159.54	2002.11	1881.56	1751.64	1631.08	1467.80	1163.02	1163.02	1029.12
360.0	2030.79	1900.87	1776.80	1607.67	1483.02	1147.33	1147.33	1053.87	924.89
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	803.51	656.80	550.93	454.13	347.62	275.88	217.24	159.01	123.89
45.0	863.27	726.32	620.98	525.59	419.66	345.34	310.23	310.23	158.30
90.0	744.64	651.41	566.85	484.51	387.65	318.66	256.62	203.95	150.58
135.0	1044.69	907.74	804.74	707.60	612.79	503.94	427.86	356.46	304.96
180.0	1190.99	1071.02	961.58	814.69	715.79	618.06	495.74	416.15	344.76
225.0	1081.91	966.26	850.04	718.89	620.46	524.30	436.29	339.66	270.96
270.0	1126.03	1008.40	854.49	742.12	644.39	547.24	431.37	350.61	300.86
315.0	899.20	770.04	618.93	511.49	421.65	324.39	259.25	204.83	151.98
360.0	803.51	656.80	550.93	454.13	347.62	275.88	217.24	159.01	123.89
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.08	79.77	63.79	55.25	48.98	44.07	39.39	36.52	33.47
45.0	123.72	92.06	74.27	61.21	52.44	44.59	40.38	37.16	34.41
90.0	118.92	94.57	73.74	61.57	53.61	46.17	42.31	39.09	36.05
135.0	304.96	166.15	121.55	95.33	76.08	60.04	51.56	45.24	41.02
180.0	310.81	310.81	156.78	114.41	89.83	72.16	59.69	49.45	43.77
225.0	199.85	154.15	118.39	87.26	70.17	58.52	50.33	43.42	39.39
270.0	300.86	159.36	126.29	97.50	73.97	60.40	50.68	42.84	38.22
315.0	119.91	95.45	77.25	61.04	52.14	45.59	40.67	36.23	33.53
360.0	98.08	79.77	63.79	55.25	48.98	44.07	39.39	36.52	33.47

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	31.54	29.73	27.92	26.69	25.69	24.40	23.64	22.88	22.36
45.0	31.78	29.90	28.44	26.74	25.69	24.46	23.64	22.94	22.41
90.0	33.94	32.19	30.31	29.20	27.97	26.86	25.75	24.99	24.23
135.0	36.93	34.70	32.77	31.08	29.32	28.15	27.15	26.10	25.34
180.0	39.80	36.75	33.83	31.89	30.31	28.73	27.62	26.34	25.46
225.0	36.17	33.77	31.31	29.73	28.38	27.10	26.10	25.05	24.29
270.0	33.77	31.19	29.09	27.10	25.57	24.05	22.88	22.06	21.13
315.0	31.31	29.03	27.51	25.87	24.81	23.70	22.88	21.83	21.07
360.0	31.54	29.73	27.92	26.69	25.69	24.40	23.64	22.88	22.36
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.71	21.24	20.83	20.42	19.84	19.43	19.08	18.55	18.26
45.0	21.77	21.36	21.01	20.54	20.01	19.55	18.96	18.55	17.91
90.0	23.41	22.53	21.77	20.72	19.96	19.37	18.49	17.62	16.91
135.0	24.40	23.70	23.00	22.24	21.24	20.54	19.72	19.08	18.38
180.0	24.58	23.99	23.29	22.59	21.95	21.24	20.60	19.96	19.43
225.0	23.47	22.88	21.95	21.36	20.72	20.01	19.08	18.38	17.73
270.0	20.48	19.96	19.37	18.73	18.32	17.85	17.56	17.21	16.62
315.0	20.42	19.72	19.20	18.79	18.38	17.97	17.67	17.21	16.68
360.0	21.71	21.24	20.83	20.42	19.84	19.43	19.08	18.55	18.26
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.02	17.97	17.97	17.97	18.02	16.97	15.45	14.69	13.99
45.0	17.38	16.74	16.39	16.09	16.04	16.21	16.50	15.74	14.40
90.0	16.39	15.92	15.45	14.98	14.46	13.99	13.75	13.52	13.23
135.0	17.85	17.21	16.62	15.80	15.16	14.46	13.75	13.34	13.05
180.0	18.84	17.85	17.26	16.56	15.74	15.22	14.63	14.05	13.75
225.0	17.03	16.27	15.63	14.98	14.40	13.87	13.34	13.05	12.82
270.0	16.15	15.57	15.10	14.63	14.28	13.87	13.64	13.34	13.11
315.0	16.21	15.68	15.16	14.69	14.46	14.10	13.81	13.52	13.11
360.0	18.02	17.97	17.97	17.97	18.02	16.97	15.45	14.69	13.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.64	13.28	12.99	12.70	12.47	12.11	11.82	11.59	11.29
45.0	13.58	13.17	12.82	12.58	12.35	12.11	11.76	11.47	11.18
90.0	13.05	12.64	12.35	12.11	11.88	11.53	11.29	11.00	10.83
135.0	12.87	12.64	12.35	12.11	11.82	11.59	11.35	11.06	10.83
180.0	13.46	13.23	12.93	12.70	12.41	12.17	11.88	11.70	11.41
225.0	12.52	12.29	12.06	11.82	11.53	11.35	11.12	10.94	10.65
270.0	12.87	12.58	12.35	12.11	11.82	11.59	11.35	11.06	10.83
315.0	12.76	12.47	12.23	12.00	11.65	11.41	11.12	10.83	10.65
360.0	13.64	13.28	12.99	12.70	12.47	12.11	11.82	11.59	11.29
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.06	10.83	10.65	10.42	10.24	9.31	9.07	8.72	8.54
45.0	10.94	10.77	10.48	10.24	10.07	9.66	8.90	8.66	8.43
90.0	10.53	10.24	10.07	9.89	9.66	8.78	8.60	8.37	8.31
135.0	10.59	10.42	10.12	9.89	9.66	9.36	8.84	8.66	8.49
180.0	11.12	10.89	10.65	10.36	10.12	9.83	9.54	9.36	9.19
225.0	10.42	10.24	9.95	9.77	9.36	9.19	9.01	8.84	8.66
270.0	10.59	10.42	10.24	9.95	9.71	9.25	9.01	8.78	8.60
315.0	10.36	10.18	9.89	9.66	9.19	8.84	8.66	8.49	8.25
360.0	11.06	10.83	10.65	10.42	10.24	9.31	9.07	8.72	8.54

Intensity data(cd)

C/γ(°)	90.0
0.0	8.49
45.0	8.43
90.0	8.31
135.0	8.25
180.0	8.95
225.0	8.54
270.0	8.37
315.0	8.19
360.0	8.49