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NT

Client:

LumCAT: 2-2519-L

Luminaire: 92.70.412.00

Report No: 2024813-B026

Ballast type: AC

Test No: 2024813-C026

Voltage(V): 35.070

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.702

Lamp flux(lm): 4107.0

Power (W): 24.619

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3736.14, Efficiency(%): 90.97% , Luminous Efficacy(lm/W): 151.76

Central intensity(cd): 12275.680, Maximum intensity(cd): 12275.680

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.2

[C90/270]Total=26.2

Field angle(10%Imax): [C0/180]Total=56.6

[C90/270]Total=56.6

Maximum s/h(1/2): C0_180=0.44 C90_270=0.44

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.760%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
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	12275.680	0.000	0	0.00%	0.00%
1.0	12125.218	11.675	11.675	0.28%	0.31%
2.0	11998.744	34.625	46.3	0.84%	1.24%
3.0	11807.163	56.936	103.236	1.39%	2.76%
4.0	11537.886	78.143	181.38	1.90%	4.85%
5.0	11139.202	97.556	278.935	2.38%	7.47%
6.0	10647.101	114.493	393.428	2.79%	10.53%
7.0	10104.012	128.802	522.23	3.14%	13.98%
8.0	9490.038	140.231	662.461	3.41%	17.73%
9.0	8857.263	148.695	811.156	3.62%	21.71%
10.0	8187.400	154.248	965.404	3.76%	25.84%
11.0	7523.389	156.983	1122.387	3.82%	30.04%
12.0	6830.775	156.912	1279.298	3.82%	34.24%
13.0	6221.995	154.904	1434.202	3.77%	38.39%
14.0	5638.965	151.819	1586.021	3.70%	42.45%
15.0	5144.523	148.041	1734.062	3.60%	46.41%
16.0	4655.348	143.596	1877.657	3.50%	50.26%
17.0	4232.815	138.413	2016.07	3.37%	53.96%
18.0	3834.204	133.008	2149.077	3.24%	57.52%
19.0	3473.632	127.141	2276.219	3.10%	60.92%
20.0	3149.198	121.216	2397.435	2.95%	64.17%
21.0	2859.073	115.371	2512.806	2.81%	67.26%
22.0	2654.317	110.794	2623.6	2.70%	70.22%
23.0	2384.836	105.735	2729.335	2.57%	73.05%
24.0	2077.534	97.563	2826.898	2.38%	75.66%
25.0	1866.487	89.678	2916.577	2.18%	78.06%
26.0	1608.776	82.034	2998.611	2.00%	80.26%
27.0	1446.749	74.754	3073.365	1.82%	82.26%
28.0	1265.769	68.675	3142.04	1.67%	84.10%
29.0	1115.241	62.294	3204.334	1.52%	85.77%
30.0	956.338	55.932	3260.266	1.36%	87.26%
31.0	806.389	49.054	3309.32	1.19%	88.58%
32.0	672.028	42.355	3351.675	1.03%	89.71%
33.0	534.486	35.544	3387.22	0.87%	90.66%
34.0	425.502	29.052	3416.272	0.71%	91.44%
35.0	335.648	23.639	3439.91	0.58%	92.07%
36.0	280.330	19.613	3459.523	0.48%	92.60%
37.0	255.187	17.466	3476.989	0.43%	93.06%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	221.976	15.927	3492.916	0.39%	93.49%
39.0	182.956	13.821	3506.737	0.34%	93.86%
40.0	165.743	12.161	3518.899	0.30%	94.19%
41.0	149.196	11.215	3530.113	0.27%	94.49%
42.0	135.926	10.359	3540.472	0.25%	94.76%
43.0	123.322	9.603	3550.076	0.23%	95.02%
44.0	112.444	8.898	3558.974	0.22%	95.26%
45.0	103.219	8.288	3567.262	0.20%	95.48%
46.0	94.945	7.750	3575.012	0.19%	95.69%
47.0	87.623	7.261	3582.273	0.18%	95.88%
48.0	81.632	6.842	3589.115	0.17%	96.06%
49.0	76.218	6.482	3595.598	0.16%	96.24%
50.0	71.310	6.151	3601.749	0.15%	96.40%
51.0	67.177	5.859	3607.608	0.14%	96.56%
52.0	63.746	5.618	3613.226	0.14%	96.71%
53.0	60.695	5.413	3618.639	0.13%	96.86%
54.0	58.164	5.239	3623.878	0.13%	97.00%
55.0	55.874	5.090	3628.968	0.12%	97.13%
56.0	53.775	4.955	3633.923	0.12%	97.26%
57.0	51.763	4.825	3638.748	0.12%	97.39%
58.0	49.898	4.701	3643.449	0.11%	97.52%
59.0	47.930	4.574	3648.023	0.11%	97.64%
60.0	45.933	4.434	3652.457	0.11%	97.76%
61.0	44.097	4.296	3656.754	0.10%	97.88%
62.0	42.129	4.155	3660.909	0.10%	97.99%
63.0	40.146	4.001	3664.91	0.10%	98.09%
64.0	38.376	3.853	3668.763	0.09%	98.20%
65.0	36.891	3.725	3672.488	0.09%	98.30%
66.0	35.289	3.601	3676.089	0.09%	98.39%
67.0	33.899	3.479	3679.568	0.08%	98.49%
68.0	32.648	3.371	3682.939	0.08%	98.58%
69.0	31.514	3.273	3686.213	0.08%	98.66%
70.0	30.329	3.176	3689.389	0.08%	98.75%
71.0	29.137	3.074	3692.462	0.07%	98.83%
72.0	28.054	2.974	3695.436	0.07%	98.91%
73.0	26.891	2.873	3698.309	0.07%	98.99%
74.0	25.794	2.770	3701.079	0.07%	99.06%
75.0	24.909	2.679	3703.758	0.07%	99.13%

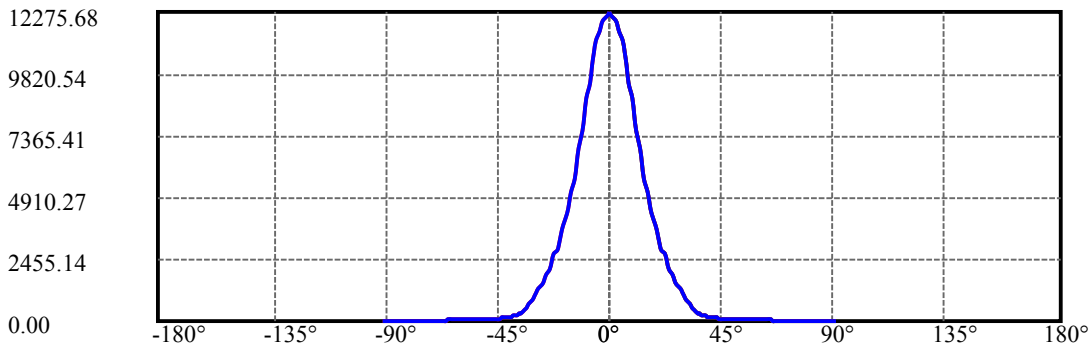
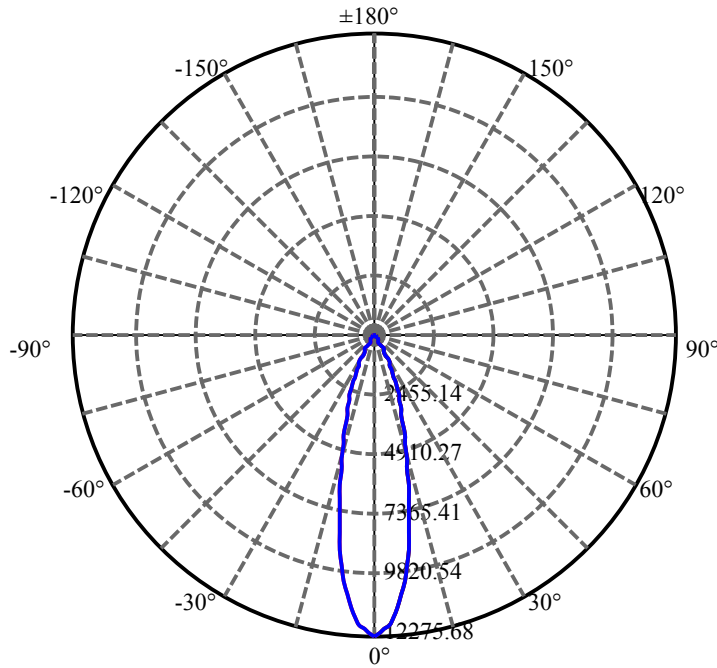
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.038	2.598	3706.356	0.06%	99.20%
77.0	23.270	2.522	3708.879	0.06%	99.27%
78.0	22.575	2.454	3711.333	0.06%	99.34%
79.0	21.851	2.387	3713.72	0.06%	99.40%
80.0	21.229	2.323	3716.042	0.06%	99.46%
81.0	20.622	2.263	3718.306	0.06%	99.52%
82.0	19.993	2.202	3720.508	0.05%	99.58%
83.0	19.429	2.143	3722.651	0.05%	99.64%
84.0	18.874	2.087	3724.738	0.05%	99.69%
85.0	18.339	2.031	3726.769	0.05%	99.75%
86.0	17.754	1.973	3728.742	0.05%	99.80%
87.0	17.257	1.916	3730.658	0.05%	99.85%
88.0	16.818	1.867	3732.524	0.05%	99.90%
89.0	16.423	1.822	3734.346	0.04%	99.95%
90.0	16.203	1.789	3736.135	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3260.27	79.38%	87.26%
0-40	3518.90	85.68%	94.19%
0-60	3652.46	88.93%	97.76%
0-90	3734.35	90.93%	99.95%
0-120	3734.35	90.93%	99.95%
0-180	3736.14	90.97%	100.00%
60-90	81.89	1.99%	2.19%
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%
0-25.88	2988.91	72.78%	80.00%

ZONAL LUMEN SUMMARY

0-10	965.40
10-20	1432.03
20-30	862.83
30-40	258.63
40-50	82.85
50-60	50.71
60-70	36.93
70-80	26.65
80-90	18.30
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: ———

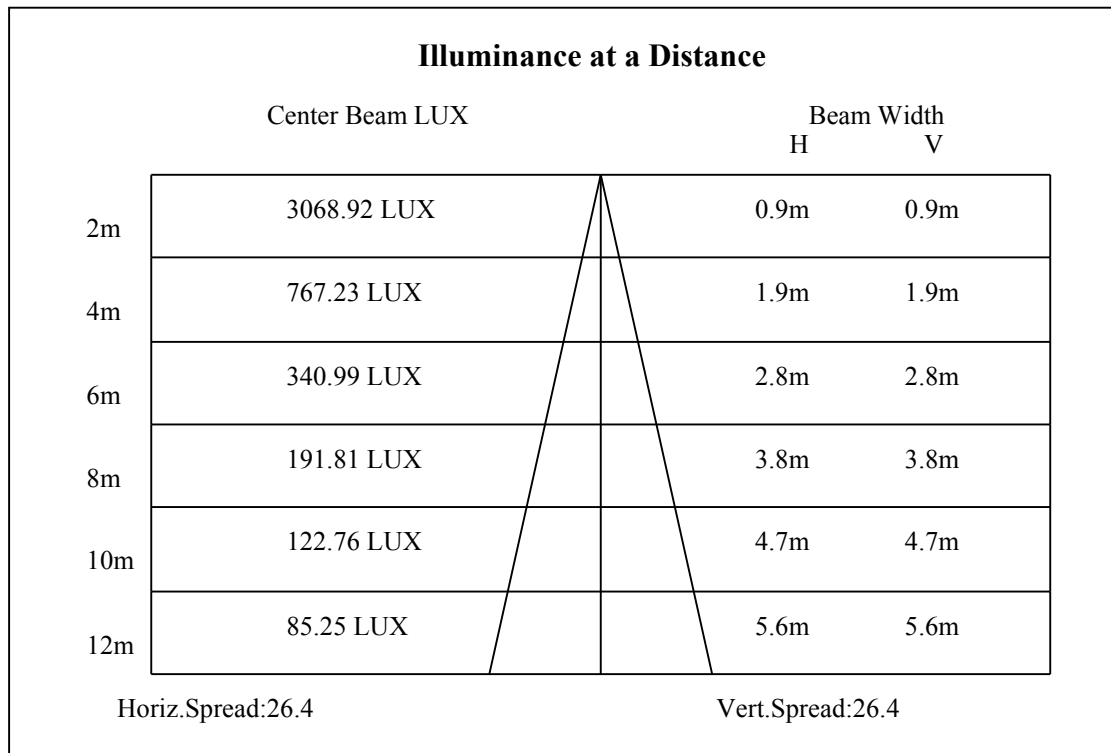
C90/C270: ———

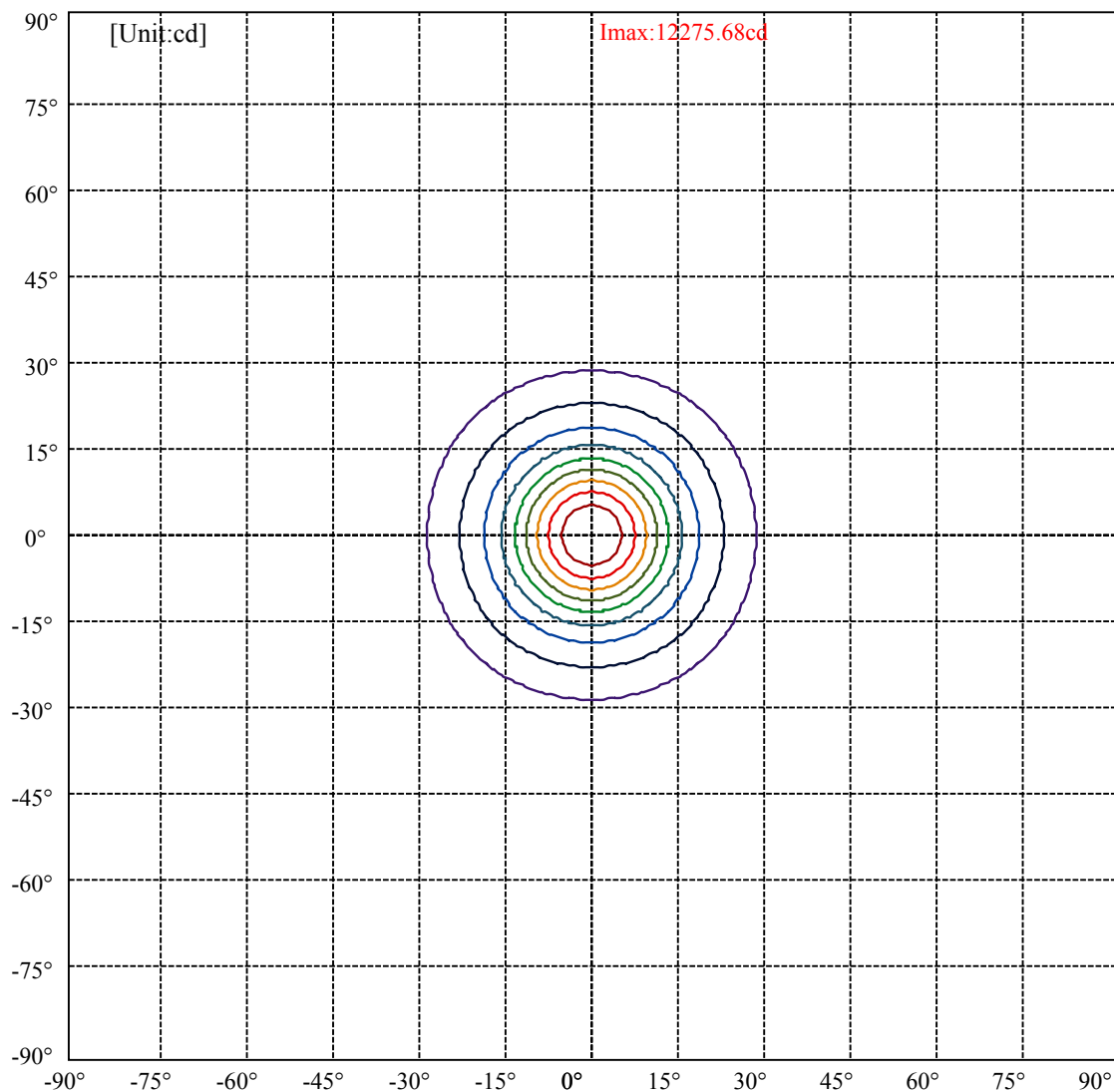
Field angle(10%Imax):C0/180Left:28.3 Right:28.3

:C90/270Left:28.3 Right:28.3

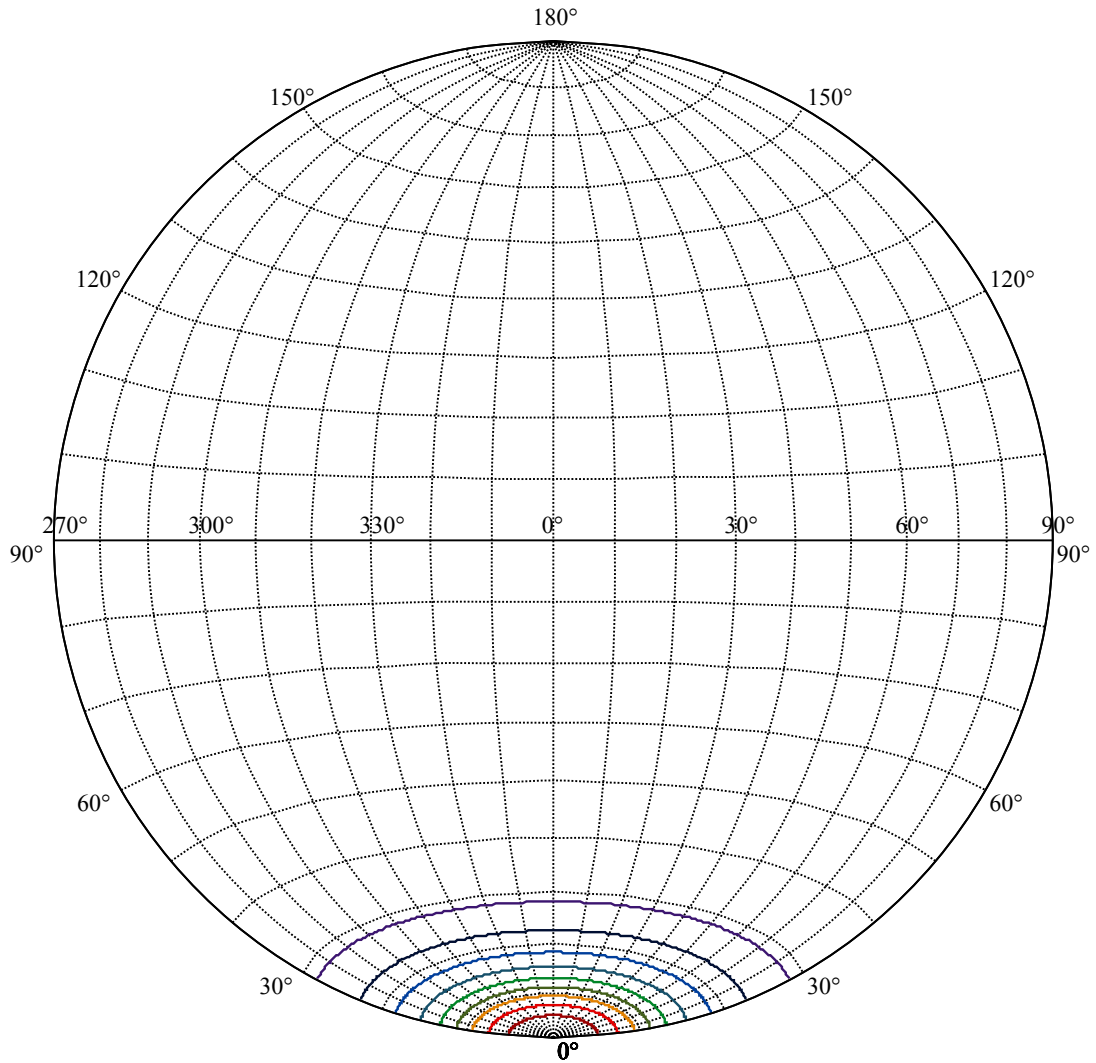
Beam Angle(50%Imax):C0/180Left:13.1 Right:13.1

:C90/270Left:13.1 Right:13.1





(10%Imax) 1227.57	—
(20%Imax) 2455.14	—
(30%Imax) 3682.7	—
(40%Imax) 4910.27	—
(50%Imax) 6137.84	—
(60%Imax) 7365.41	—
(70%Imax) 8592.98	—
(80%Imax) 9820.54	—
(90%Imax) 11048.1	—



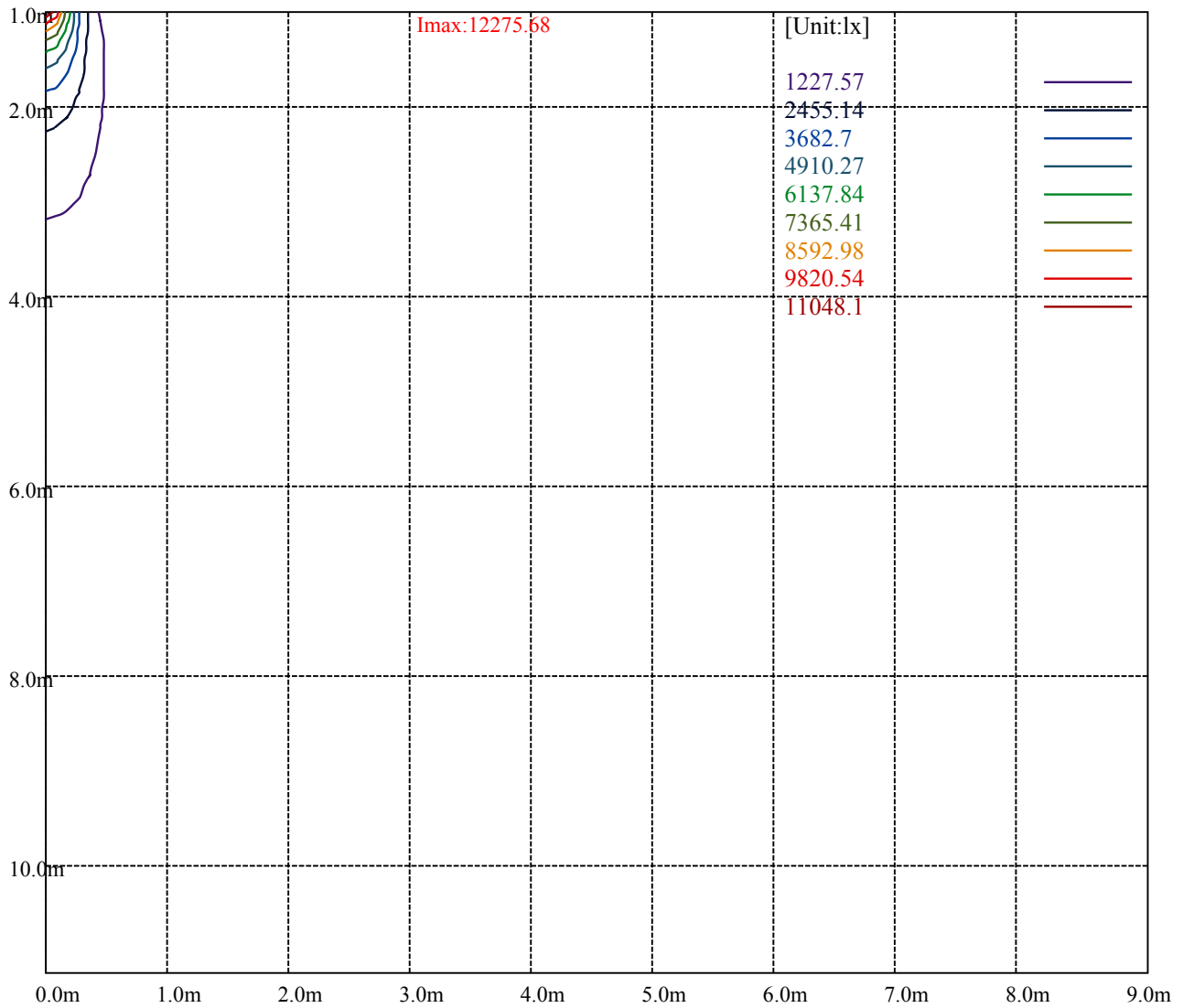
House

[Unit:cd]

Road

Imax:12275.68

(10%Imax)	1227.57	—
(20%Imax)	2455.14	—
(30%Imax)	3682.7	—
(40%Imax)	4910.27	—
(50%Imax)	6137.84	—
(60%Imax)	7365.41	—
(70%Imax)	8592.98	—
(80%Imax)	9820.54	—
(90%Imax)	11048.1	—



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

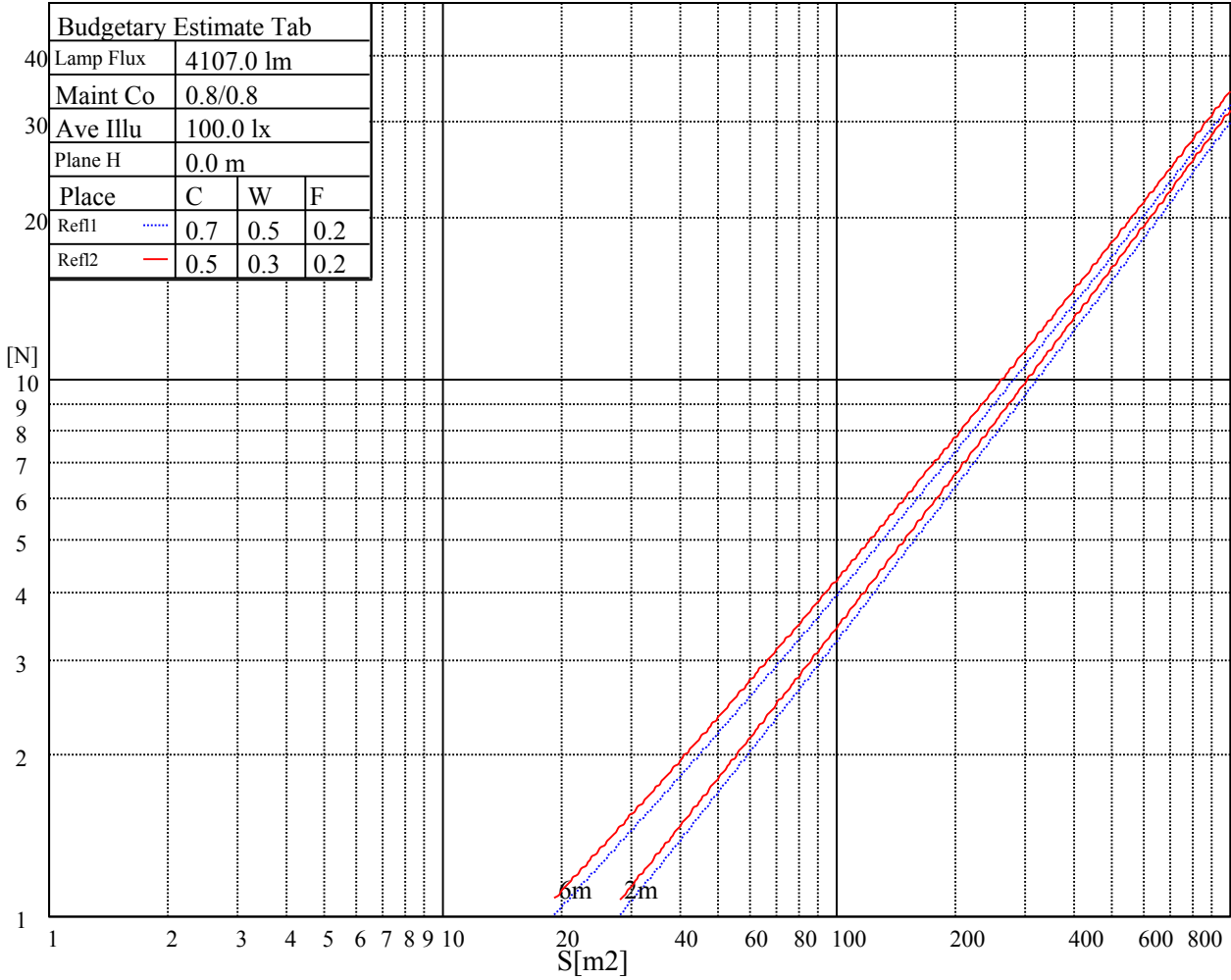
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

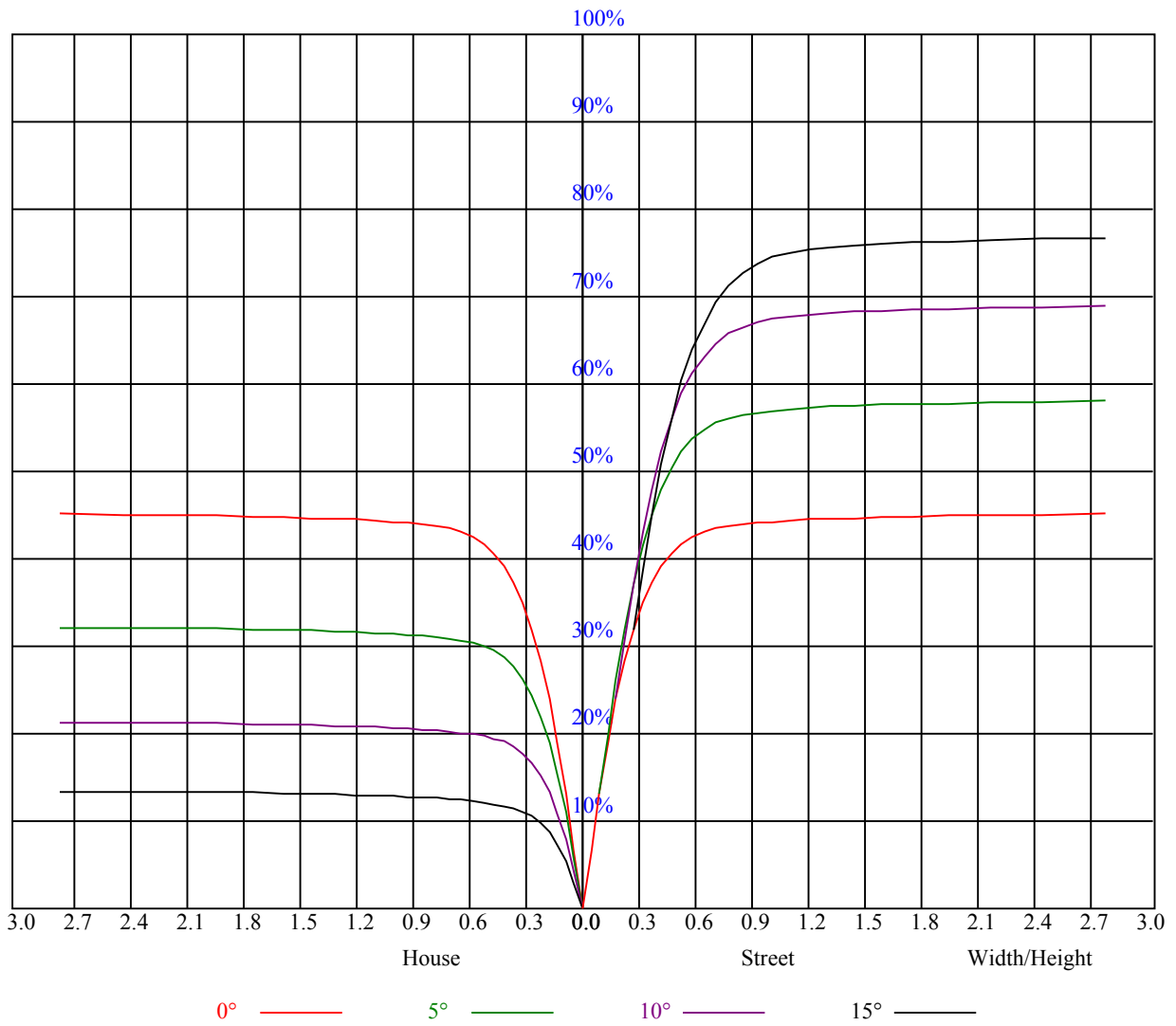


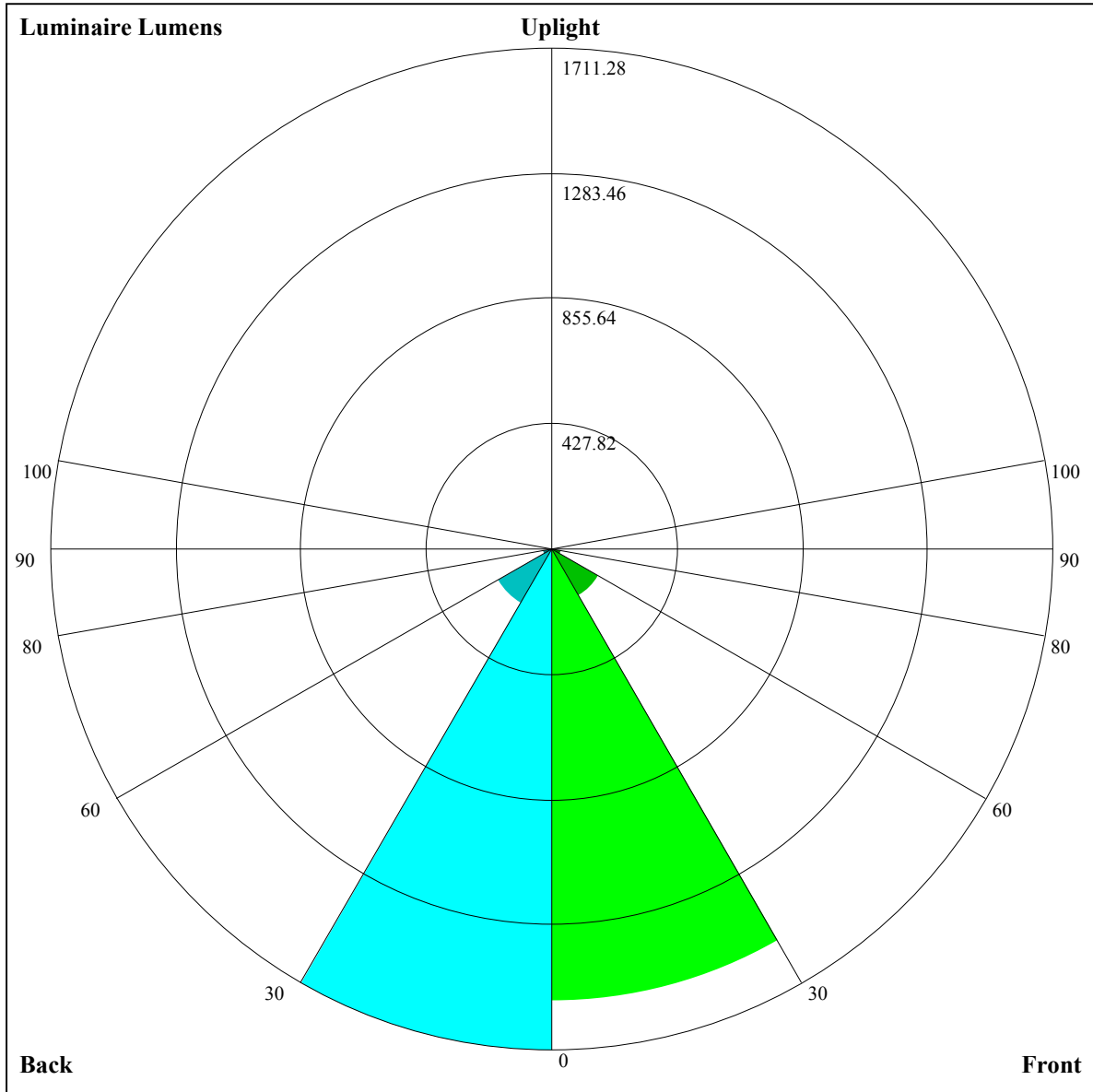
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.98	1.00	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.86
2	0.96	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.69	0.68
7	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
8	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
9	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59





Luminaire Lumens:

FL=1545.64,FM=181.56,FH=31.24,FVH=9.93

BL=1711.28,BM=212.47,BH=32.23,BVH=10.15

UL=0,UH=0

BUG Rating:B3-U0-G1

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	12205.45	11624.97	11624.97	11452.33	10944.35	10457.44	9930.74	9192.19	8567.75
45.0	12299.09	12275.68	12123.52	11912.84	11544.15	11128.64	10648.75	9981.60	9408.08
90.0	12316.65	12223.01	11655.98	11655.98	11369.81	10936.74	10334.55	9789.12	9198.63
135.0	12281.53	12351.76	12340.05	12205.45	11994.77	11655.34	11269.09	10841.88	10215.69
180.0	12205.45	12316.65	12293.24	12199.60	12059.15	11743.12	11391.99	10994.04	10385.40
225.0	12299.09	12263.98	12117.67	11595.12	11595.12	11201.85	10742.45	10246.18	9516.99
270.0	12316.65	12316.65	12205.45	11988.92	11719.72	11380.29	10900.40	10414.66	9887.96
315.0	12281.53	11629.06	11629.06	11447.06	11076.03	10610.19	9958.83	9372.44	8739.81
360.0	12205.45	11624.97	11624.97	11452.33	10944.35	10457.44	9930.74	9192.19	8567.75
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7946.24	7171.99	6565.11	5997.44	5361.30	4893.12	4468.25	4079.66	3621.43
45.0	8817.00	8056.21	7418.31	6645.82	6084.00	5574.85	5094.97	4544.86	4146.90
90.0	8584.72	7786.48	7169.65	6410.03	5852.89	5236.07	4797.15	4377.54	3997.73
135.0	9677.28	9080.35	8454.16	7658.25	7026.21	6452.69	5908.43	5282.24	4819.91
180.0	9864.55	9279.33	8471.72	7810.41	7172.52	6405.87	5867.47	5381.73	4913.55
225.0	8879.68	8274.55	7487.43	6870.60	6283.03	5611.20	5121.36	4675.42	4270.45
270.0	9162.28	8553.65	7921.61	7143.26	6528.77	5943.55	5434.40	4837.47	4392.70
315.0	7926.35	7296.64	6699.13	6110.39	5467.23	4994.37	4464.15	4063.86	3699.85
360.0	7946.24	7171.99	6565.11	5997.44	5361.30	4893.12	4468.25	4079.66	3621.43
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3315.36	3019.23	2742.42	2423.48	2189.39	1996.26	1770.36	1587.77	1158.39
45.0	3801.62	3479.75	3175.43	2958.90	2958.90	2336.86	2079.95	1904.38	1683.17
90.0	3578.12	3268.54	2982.95	2699.70	2371.39	2128.52	1957.05	1792.02	1575.48
135.0	4404.40	3930.37	3579.24	3204.69	2994.01	2994.01	2404.75	2136.13	1946.52
180.0	4380.99	3988.89	3620.20	3257.36	3017.42	3017.42	2427.57	2162.46	1967.58
225.0	3895.32	3472.20	3164.37	2878.20	2545.79	2303.50	2098.68	1877.46	1698.97
270.0	4006.45	3637.76	3210.54	2999.86	2999.86	2326.33	2094.58	1870.44	1673.80
315.0	3291.36	2992.31	2718.43	2450.40	2157.78	1975.78	1787.34	1601.23	1166.29
360.0	3315.36	3019.23	2742.42	2423.48	2189.39	1996.26	1770.36	1587.77	1158.39
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1158.39	1043.11	866.13	733.52	605.30	489.77	366.41	289.22	242.81
45.0	1505.26	1330.27	1119.01	969.78	824.64	691.21	537.30	427.86	335.39
90.0	1158.86	1158.86	1049.07	900.54	731.47	598.33	481.41	380.57	282.72
135.0	1772.71	1536.27	1362.46	1203.87	1055.80	910.08	736.86	605.77	486.97
180.0	1798.45	1559.68	1375.34	1170.51	1018.35	863.85	726.32	565.39	450.10
225.0	1512.28	1128.02	1128.02	975.39	791.34	652.35	526.41	415.92	306.48
270.0	1501.75	1317.99	1121.93	968.61	820.54	678.92	531.44	424.35	337.15
315.0	1166.29	1051.94	899.96	728.49	603.66	491.71	369.75	294.95	243.57
360.0	1158.39	1043.11	866.13	733.52	605.30	489.77	366.41	289.22	242.81
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	219.52	192.19	174.16	158.77	145.31	129.80	119.33	108.09	100.42
45.0	298.52	298.52	205.41	186.39	170.36	152.74	140.63	129.80	117.92
90.0	240.23	216.71	196.05	173.99	158.71	144.55	132.03	118.10	108.38
135.0	358.22	297.94	297.94	207.75	187.45	166.03	151.40	138.00	126.12
180.0	350.02	309.06	309.06	205.88	185.40	168.02	149.29	136.36	122.25
225.0	253.11	226.07	204.36	180.42	163.86	145.37	132.73	121.20	108.85
270.0	302.03	302.03	208.98	190.37	169.13	154.03	140.40	125.65	114.94
315.0	220.98	198.98	179.84	160.06	145.72	133.02	121.61	109.38	100.66
360.0	219.52	192.19	174.16	158.77	145.31	129.80	119.33	108.09	100.42

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	93.17	85.97	81.00	76.72	72.86	68.35	65.37	62.56	60.22
45.0	109.55	99.96	93.23	87.32	81.93	76.08	71.75	68.30	65.25
90.0	97.67	90.59	83.92	76.84	72.10	67.59	64.14	60.80	58.23
135.0	115.87	104.40	96.27	89.07	82.81	76.08	71.46	67.42	63.32
180.0	112.30	103.94	94.34	87.43	81.23	75.90	69.99	65.95	62.62
225.0	100.60	92.76	84.39	78.77	73.86	69.47	64.73	61.62	58.76
270.0	103.64	95.57	88.72	82.63	76.02	71.63	67.53	64.32	60.40
315.0	92.93	86.38	79.12	74.27	68.94	65.37	62.44	58.99	56.77
360.0	93.17	85.97	81.00	76.72	72.86	68.35	65.37	62.56	60.22
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	57.76	55.60	53.43	51.03	48.87	46.41	44.48	42.72	40.85
45.0	61.98	59.69	57.59	54.84	53.14	51.09	48.34	46.29	44.36
90.0	55.95	54.13	51.62	50.04	48.16	45.94	43.95	42.25	39.97
135.0	60.57	57.70	55.83	53.67	51.91	50.33	48.52	46.47	44.24
180.0	59.63	56.65	54.48	52.67	50.56	49.10	47.58	45.35	43.66
225.0	56.53	54.31	52.49	50.86	49.16	47.46	45.47	43.89	42.14
270.0	58.00	56.01	54.02	51.85	50.33	48.11	46.23	44.54	42.31
315.0	54.89	52.90	50.74	49.16	47.05	45.00	42.90	41.26	39.50
360.0	57.76	55.60	53.43	51.03	48.87	46.41	44.48	42.72	40.85
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	38.92	37.28	35.76	34.29	32.71	31.54	30.43	29.38	28.15
45.0	41.67	39.80	38.16	36.05	34.53	33.18	31.89	30.26	29.14
90.0	38.27	36.34	34.88	33.42	32.19	30.90	29.85	28.85	27.80
135.0	42.25	40.32	38.62	36.87	35.29	33.83	32.36	31.25	30.14
180.0	41.49	39.74	38.27	36.99	35.35	34.18	33.18	32.25	30.84
225.0	40.38	38.39	37.04	35.70	34.47	33.18	32.25	31.02	29.73
270.0	40.56	38.86	37.45	35.64	34.29	33.07	32.13	30.78	29.61
315.0	37.63	36.28	34.94	33.36	32.36	31.31	30.02	28.85	27.68
360.0	38.92	37.28	35.76	34.29	32.71	31.54	30.43	29.38	28.15
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	27.21	25.98	25.05	24.29	23.53	22.88	22.30	21.59	21.01
45.0	28.09	27.04	25.63	24.81	23.76	23.12	22.41	21.59	21.01
90.0	26.92	25.81	25.11	24.40	23.53	22.88	22.24	21.42	20.83
135.0	28.79	27.74	26.69	25.81	24.99	24.17	23.29	22.65	21.95
180.0	29.79	28.73	27.51	26.57	25.63	24.64	23.94	23.29	22.47
225.0	28.21	27.04	25.63	24.64	23.76	22.88	22.18	21.54	20.95
270.0	28.68	27.21	26.22	25.05	24.11	23.35	22.65	21.89	21.30
315.0	26.74	25.57	24.52	23.70	23.00	22.24	21.59	20.83	20.31
360.0	27.21	25.98	25.05	24.29	23.53	22.88	22.30	21.59	21.01
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.48	19.90	19.43	18.96	18.49	17.91	17.44	16.91	16.33
45.0	20.42	19.72	19.14	18.67	18.20	17.73	17.26	16.80	16.27
90.0	20.13	19.66	19.02	18.43	17.97	17.44	17.09	16.56	16.27
135.0	21.30	20.54	19.90	19.25	18.67	18.14	17.62	17.09	16.62
180.0	21.89	21.24	20.66	20.13	19.55	18.84	18.26	17.91	17.44
225.0	20.25	19.61	19.20	18.55	18.02	17.32	16.85	16.50	16.15
270.0	20.72	20.07	19.43	18.79	18.26	17.62	16.97	16.56	16.21
315.0	19.78	19.20	18.67	18.20	17.56	17.03	16.56	16.21	16.09
360.0	20.48	19.90	19.43	18.96	18.49	17.91	17.44	16.91	16.33

Intensity data(cd)

C/ γ (°)	90.0
0.0	16.33
45.0	16.15
90.0	16.21
135.0	16.27
180.0	16.62
225.0	16.04
270.0	15.98
315.0	16.04
360.0	16.33