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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.412.00

Report No: 2024326-B037

Ballast type: AC

Test No: 2024326-C037

Voltage(V): 34.480

LampCAT: Fortimo\_SLM\_C\_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.825

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3621.64, Efficiency(%): 85.62% , Luminous Efficacy(lm/W): 145.89

Central intensity(cd): 12821.400, Maximum intensity(cd): 12821.400

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

Beam Angle(50%Imax): [C0/180]Total=23.8

[C90/270]Total=23.8

Field angle(10%Imax): [C0/180]Total=57.8

[C90/270]Total=57.8

Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40

Maximum s/h(1/4): C0\_180=0.44 C90\_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.62%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.040%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/26  
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	12821.402	0.000	0	0.00%	0.00%
1.0	12770.195	12.245	12.245	0.29%	0.34%
2.0	12539.038	36.326	48.571	0.86%	1.34%
3.0	12170.288	59.097	107.668	1.40%	2.97%
4.0	11858.956	80.434	188.101	1.90%	5.19%
5.0	11390.629	100.019	288.12	2.36%	7.96%
6.0	10755.002	116.381	404.501	2.75%	11.17%
7.0	9991.283	128.772	533.273	3.04%	14.72%
8.0	9232.831	137.583	670.856	3.25%	18.52%
9.0	8473.136	143.497	814.354	3.39%	22.49%
10.0	7688.862	146.260	960.614	3.46%	26.52%
11.0	7024.192	147.014	1107.627	3.48%	30.58%
12.0	6343.649	146.130	1253.757	3.45%	34.62%
13.0	5720.092	143.166	1396.923	3.38%	38.57%
14.0	5154.106	139.189	1536.112	3.29%	42.41%
15.0	4655.275	134.668	1670.78	3.18%	46.13%
16.0	4229.597	130.188	1800.968	3.08%	49.73%
17.0	3816.940	125.306	1926.274	2.96%	53.19%
18.0	3462.001	120.014	2046.288	2.84%	56.50%
19.0	3162.293	115.249	2161.537	2.72%	59.68%
20.0	2924.984	111.414	2272.951	2.63%	62.76%
21.0	2762.438	109.210	2382.161	2.58%	65.78%
22.0	2474.968	105.248	2487.409	2.49%	68.68%
23.0	2215.135	98.411	2585.82	2.33%	71.40%
24.0	2025.888	92.724	2678.544	2.19%	73.96%
25.0	1832.105	87.722	2766.266	2.07%	76.38%
26.0	1681.117	82.930	2849.196	1.96%	78.67%
27.0	1547.759	78.995	2928.192	1.87%	80.85%
28.0	1411.833	74.931	3003.122	1.77%	82.92%
29.0	1269.880	70.161	3073.283	1.66%	84.86%
30.0	1192.593	66.486	3139.77	1.57%	86.69%
31.0	1058.694	62.650	3202.42	1.48%	88.42%
32.0	901.649	56.162	3258.581	1.33%	89.98%
33.0	739.329	48.344	3306.925	1.14%	91.31%
34.0	569.336	39.604	3346.529	0.94%	92.40%
35.0	418.765	30.687	3377.216	0.73%	93.25%
36.0	302.269	22.958	3400.174	0.54%	93.88%
37.0	236.065	17.557	3417.731	0.42%	94.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	175.063	13.723	3431.454	0.32%	94.75%
39.0	128.771	10.371	3441.825	0.25%	95.03%
40.0	113.358	8.445	3450.269	0.20%	95.27%
41.0	103.314	7.716	3457.985	0.18%	95.48%
42.0	94.638	7.192	3465.177	0.17%	95.68%
43.0	87.052	6.730	3471.907	0.16%	95.87%
44.0	80.286	6.316	3478.223	0.15%	96.04%
45.0	74.499	5.949	3484.172	0.14%	96.20%
46.0	68.961	5.610	3489.782	0.13%	96.36%
47.0	64.141	5.294	3495.076	0.13%	96.51%
48.0	60.242	5.028	3500.104	0.12%	96.64%
49.0	56.855	4.809	3504.913	0.11%	96.78%
50.0	53.651	4.607	3509.52	0.11%	96.90%
51.0	51.215	4.437	3513.957	0.10%	97.03%
52.0	49.232	4.310	3518.267	0.10%	97.15%
53.0	47.696	4.216	3522.483	0.10%	97.26%
54.0	46.357	4.145	3526.629	0.10%	97.38%
55.0	45.413	4.096	3530.725	0.10%	97.49%
56.0	44.704	4.072	3534.797	0.10%	97.60%
57.0	43.921	4.052	3538.85	0.10%	97.71%
58.0	43.007	4.020	3542.869	0.10%	97.82%
59.0	41.602	3.956	3546.825	0.09%	97.93%
60.0	39.920	3.851	3550.676	0.09%	98.04%
61.0	38.237	3.730	3554.406	0.09%	98.14%
62.0	36.255	3.589	3557.996	0.08%	98.24%
63.0	34.309	3.432	3561.427	0.08%	98.34%
64.0	32.392	3.273	3564.7	0.08%	98.43%
65.0	30.651	3.120	3567.82	0.07%	98.51%
66.0	28.961	2.974	3570.795	0.07%	98.60%
67.0	27.345	2.831	3573.626	0.07%	98.67%
68.0	25.940	2.699	3576.325	0.06%	98.75%
69.0	24.799	2.588	3578.914	0.06%	98.82%
70.0	23.906	2.501	3581.415	0.06%	98.89%
71.0	23.094	2.429	3583.844	0.06%	98.96%
72.0	22.429	2.367	3586.211	0.06%	99.02%
73.0	21.851	2.315	3588.527	0.05%	99.09%
74.0	21.317	2.269	3590.796	0.05%	99.15%
75.0	20.775	2.224	3593.02	0.05%	99.21%

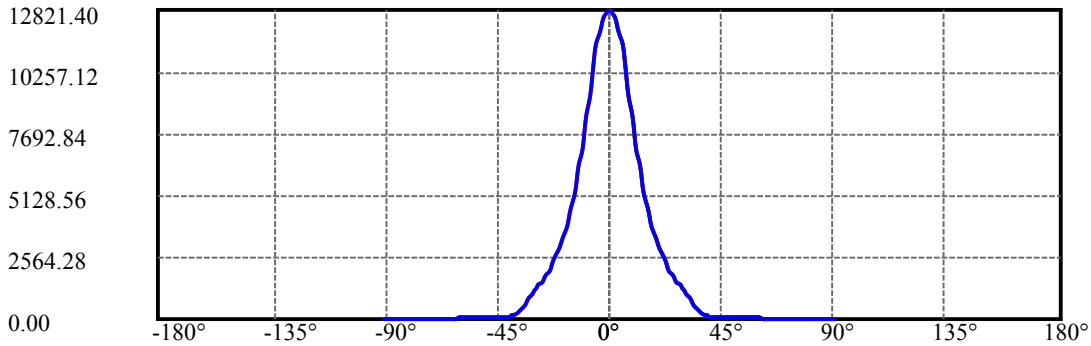
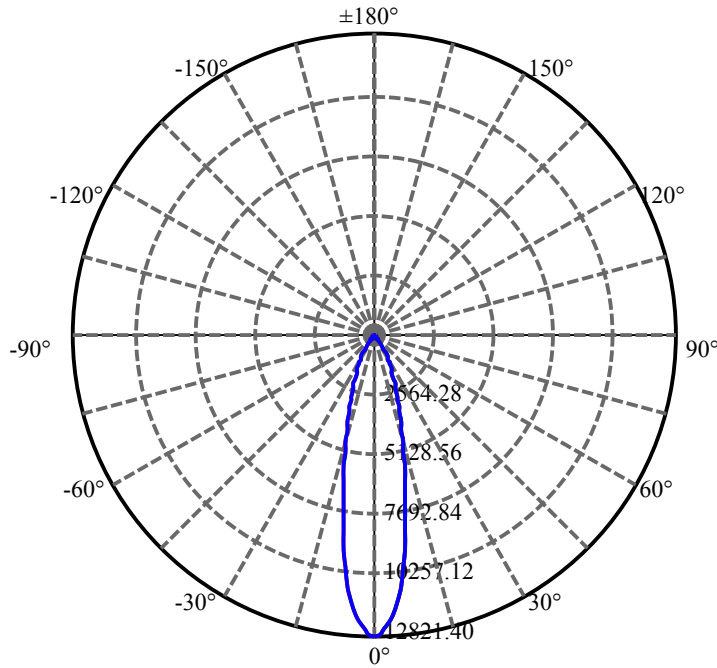
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.293	2.180	3595.2	0.05%	99.27%
77.0	19.803	2.138	3597.338	0.05%	99.33%
78.0	19.378	2.097	3599.435	0.05%	99.39%
79.0	18.939	2.059	3601.494	0.05%	99.44%
80.0	18.478	2.017	3603.511	0.05%	99.50%
81.0	18.062	1.976	3605.488	0.05%	99.55%
82.0	17.608	1.934	3607.422	0.05%	99.61%
83.0	17.206	1.893	3609.314	0.04%	99.66%
84.0	16.847	1.855	3611.169	0.04%	99.71%
85.0	16.525	1.821	3612.991	0.04%	99.76%
86.0	16.181	1.788	3614.779	0.04%	99.81%
87.0	15.874	1.754	3616.533	0.04%	99.86%
88.0	15.618	1.725	3618.258	0.04%	99.91%
89.0	15.399	1.700	3619.958	0.04%	99.95%
90.0	15.326	1.685	3621.643	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3139.77	74.23%	86.69%
0-40	3450.27	81.57%	95.27%
0-60	3550.68	83.94%	98.04%
0-90	3619.96	85.58%	99.95%
0-120	3619.96	85.58%	99.95%
0-180	3621.64	85.62%	100.00%
60-90	69.28	1.64%	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%
0-26.61	2897.31	68.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	960.61
10-20	1312.34
20-30	866.82
30-40	310.50
40-50	59.25
50-60	41.16
60-70	30.74
70-80	22.10
80-90	16.45
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: —————

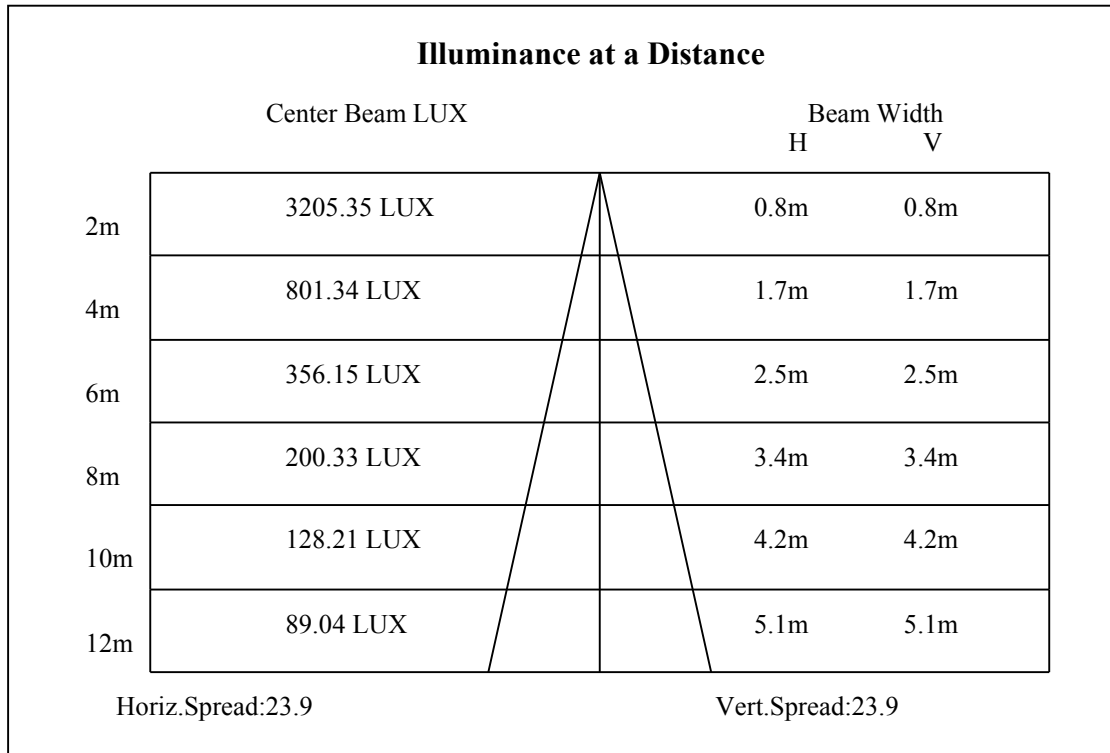
C90/C270: —————

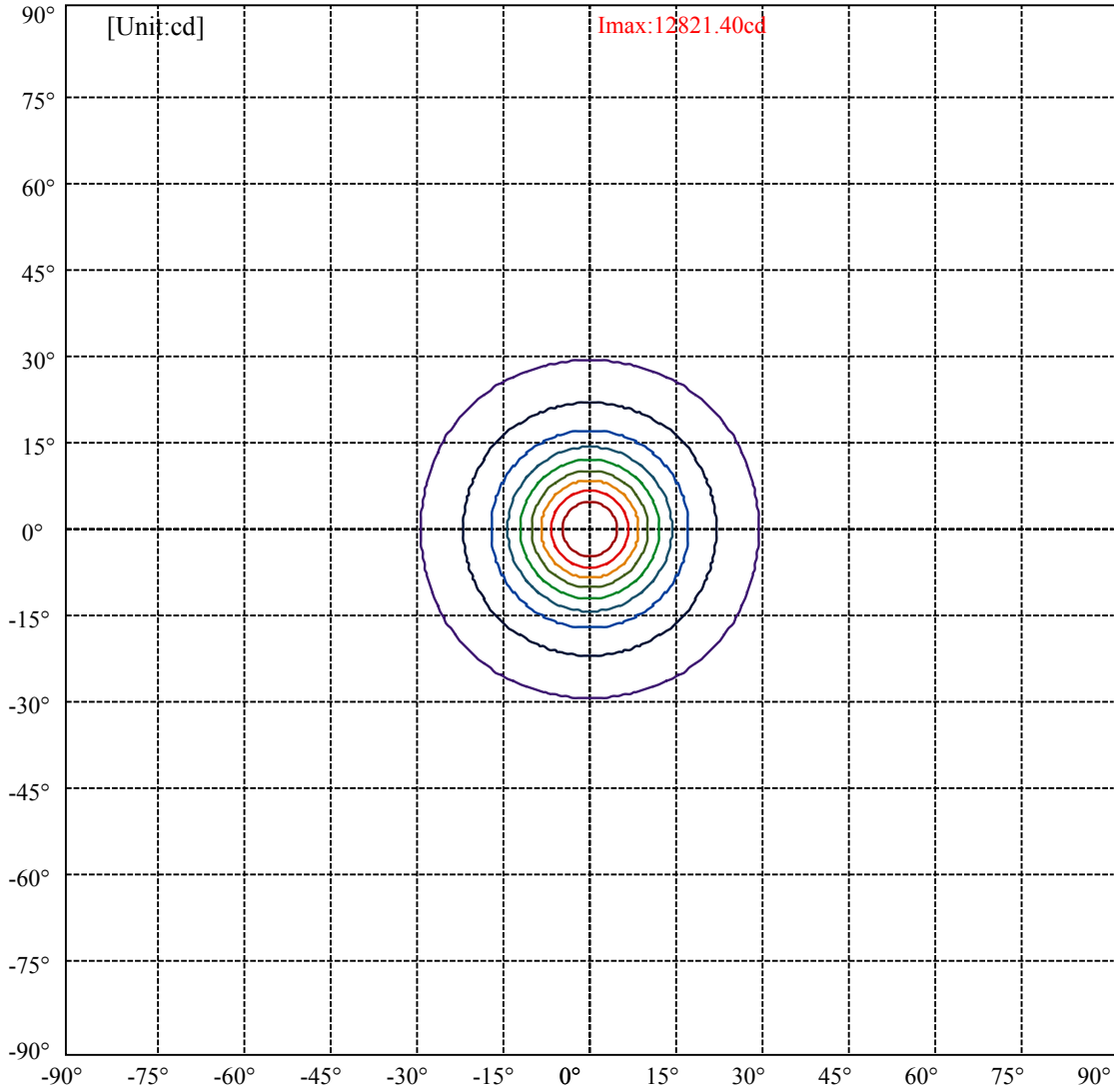
Field angle(10%Imax):C0/180Left:28.9 Right:28.9

:C90/270Left:28.9 Right:28.9

Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9

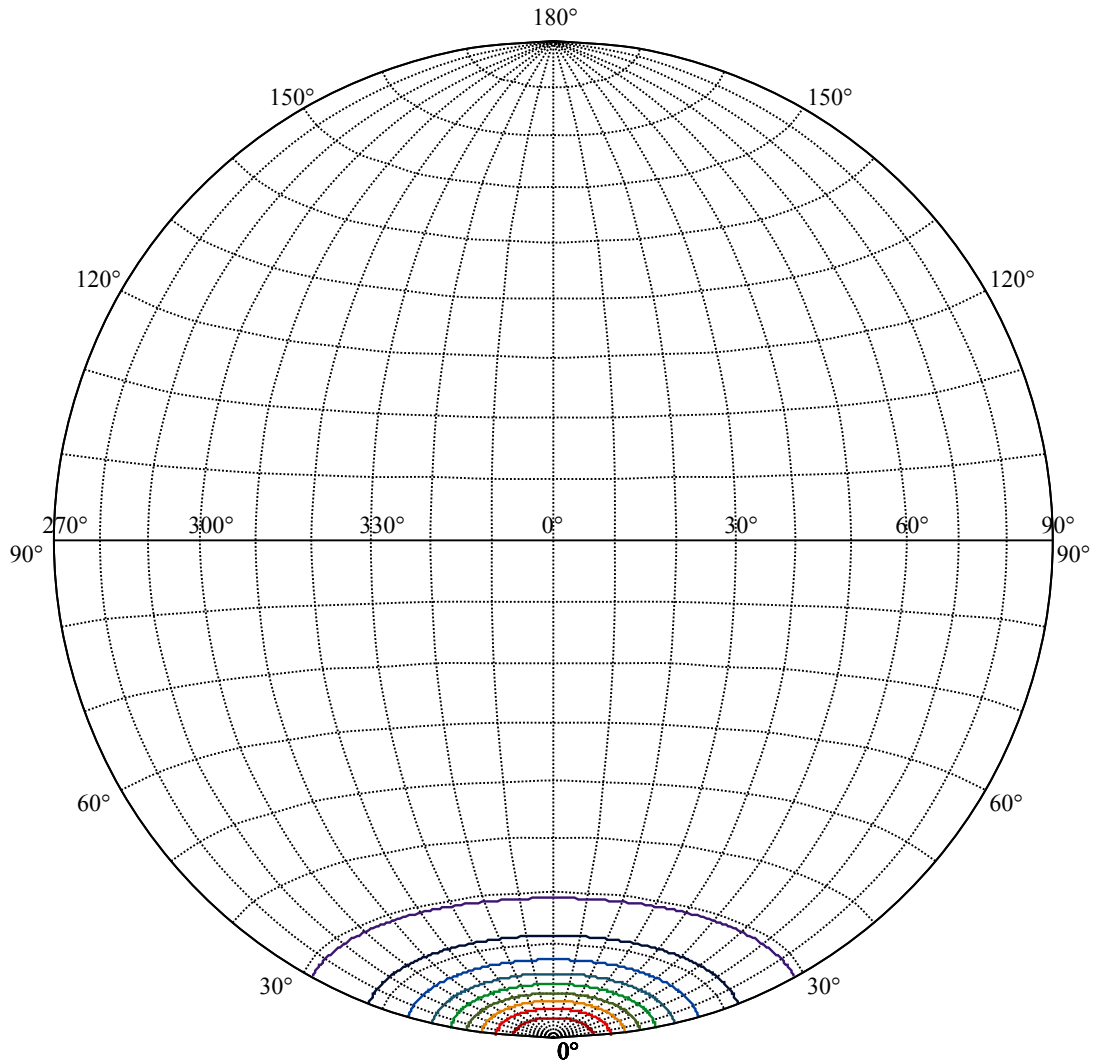
:C90/270Left:11.9 Right:11.9





(10%Imax) 1282.14	—
(20%Imax) 2564.28	—
(30%Imax) 3846.42	—
(40%Imax) 5128.56	—
(50%Imax) 6410.7	—
(60%Imax) 7692.84	—
(70%Imax) 8974.98	—
(80%Imax) 10257.1	—
(90%Imax) 11539.3	—





House

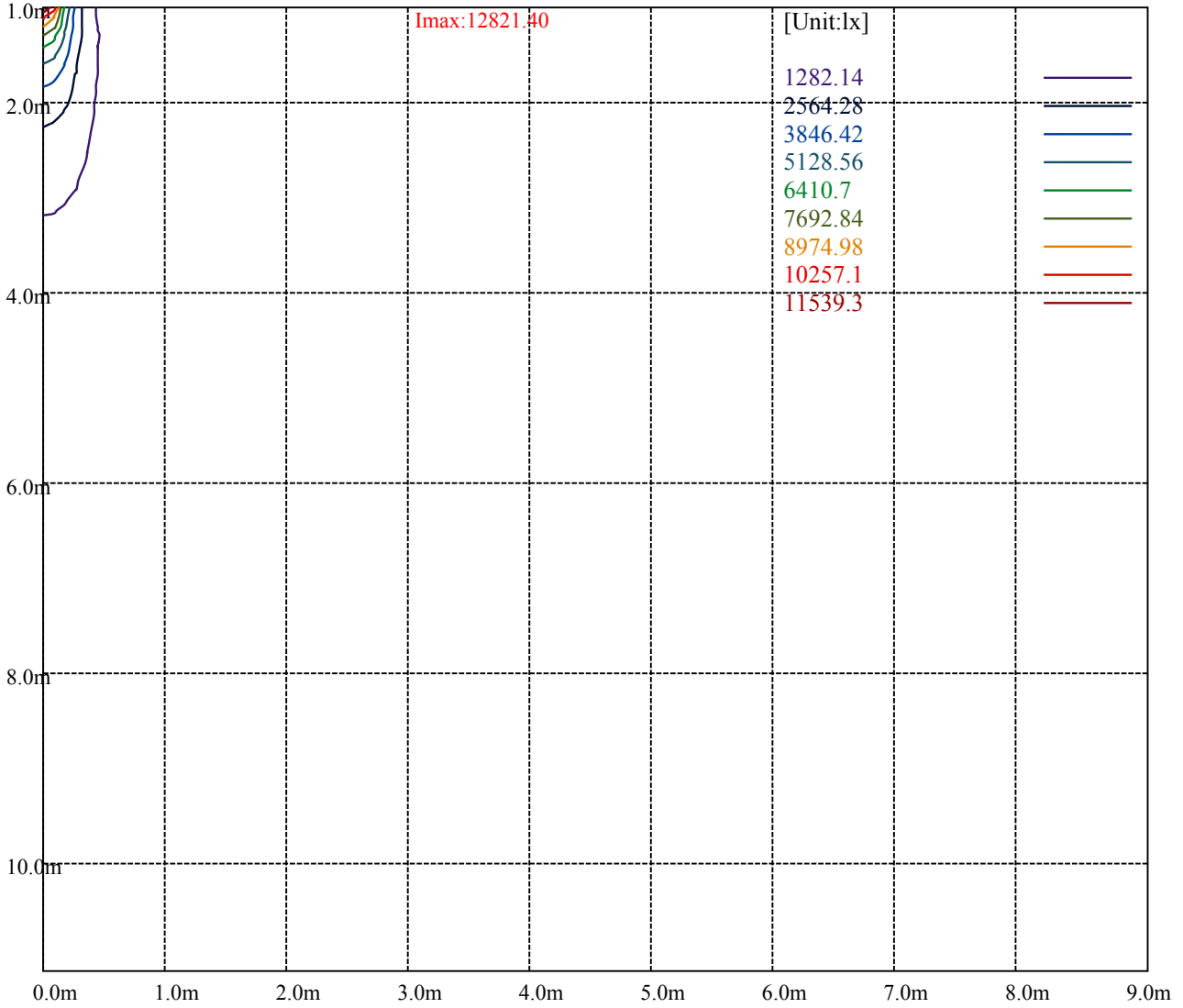
[Unit:cd]

Road

I<sub>max</sub>:12821.40

(10%I <sub>max</sub> )	1282.14	—
(20%I <sub>max</sub> )	2564.28	—
(30%I <sub>max</sub> )	3846.42	—
(40%I <sub>max</sub> )	5128.56	—
(50%I <sub>max</sub> )	6410.7	—
(60%I <sub>max</sub> )	7692.84	—
(70%I <sub>max</sub> )	8974.98	—
(80%I <sub>max</sub> )	10257.1	—
(90%I <sub>max</sub> )	11539.3	—





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

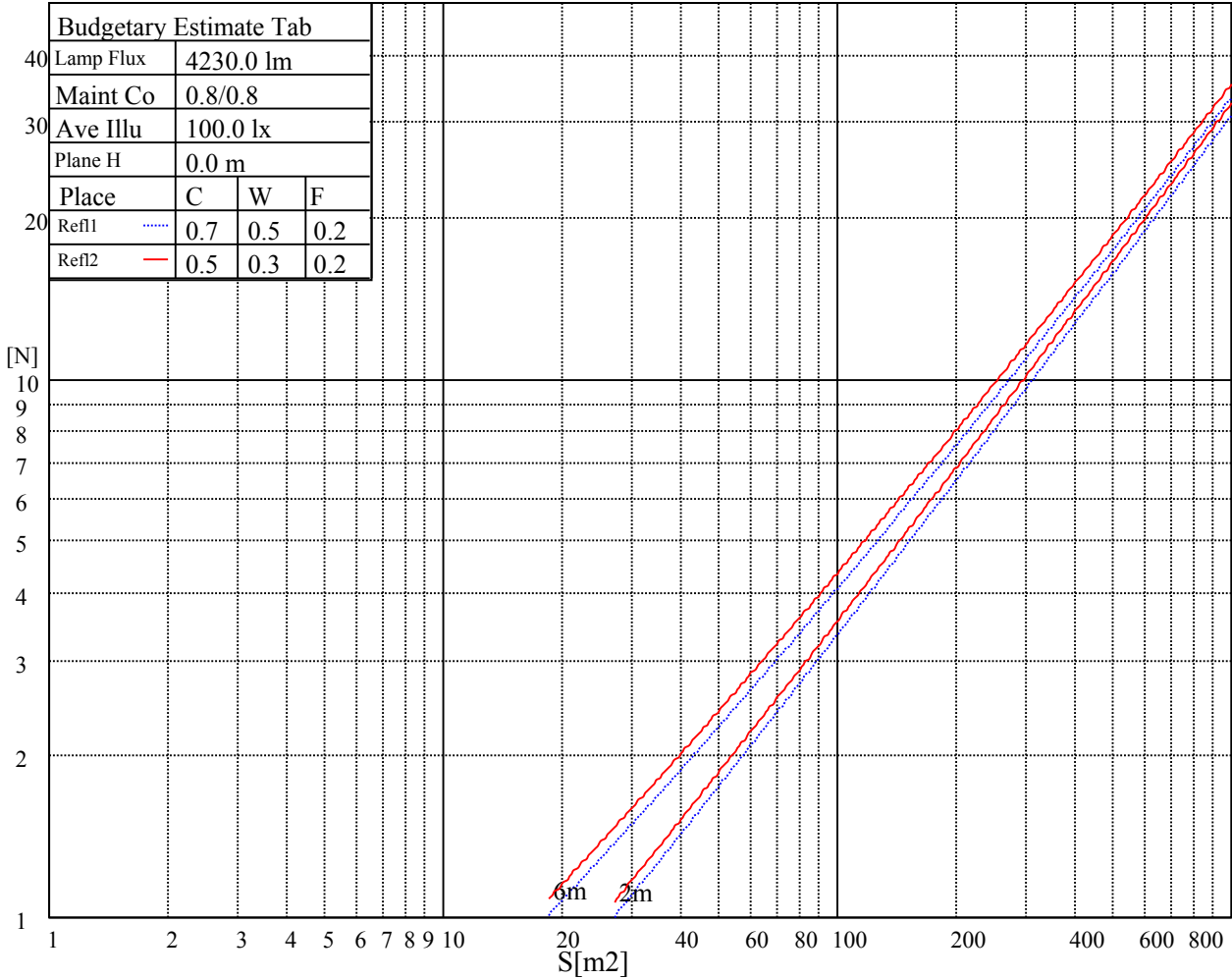
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

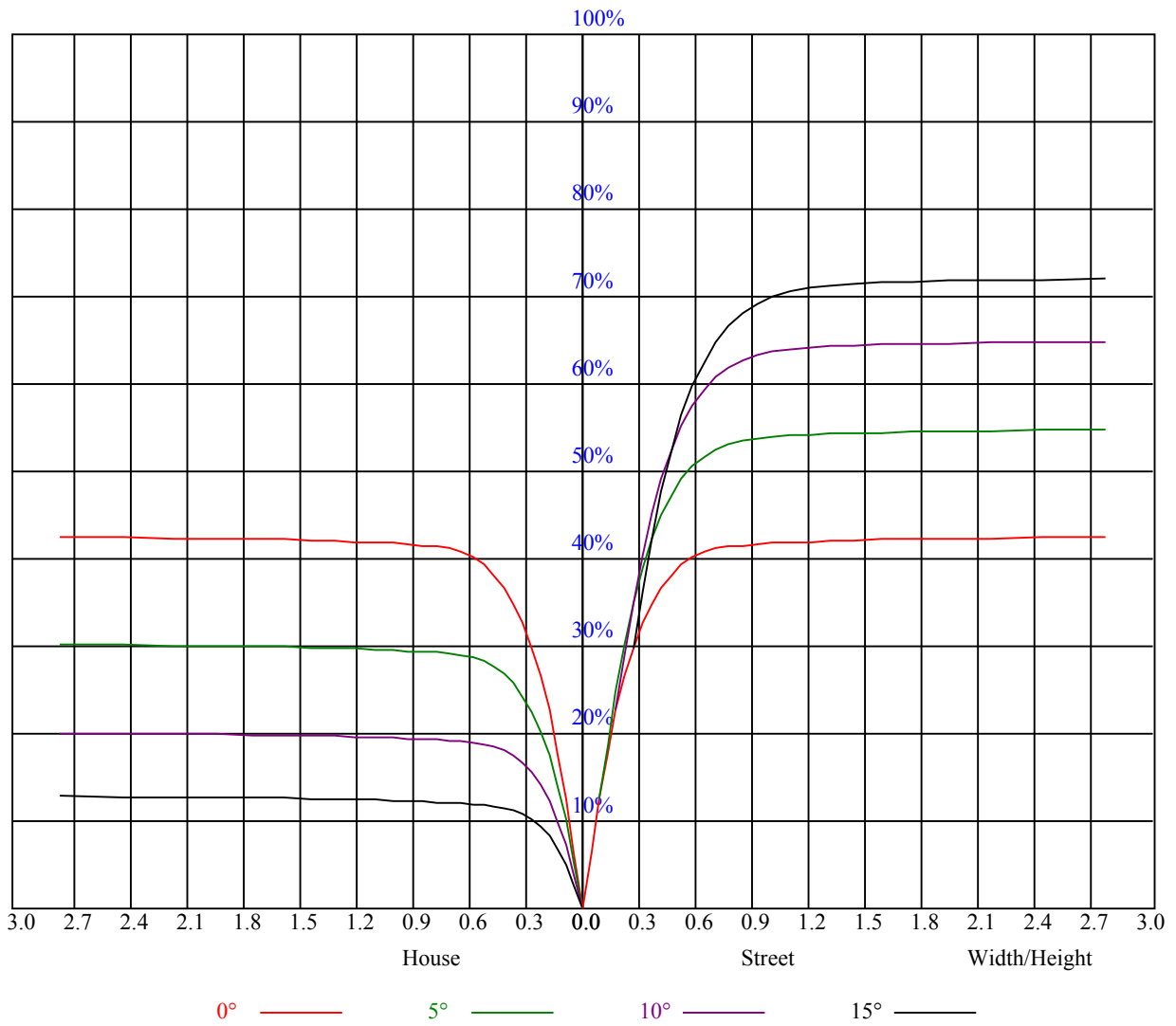


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

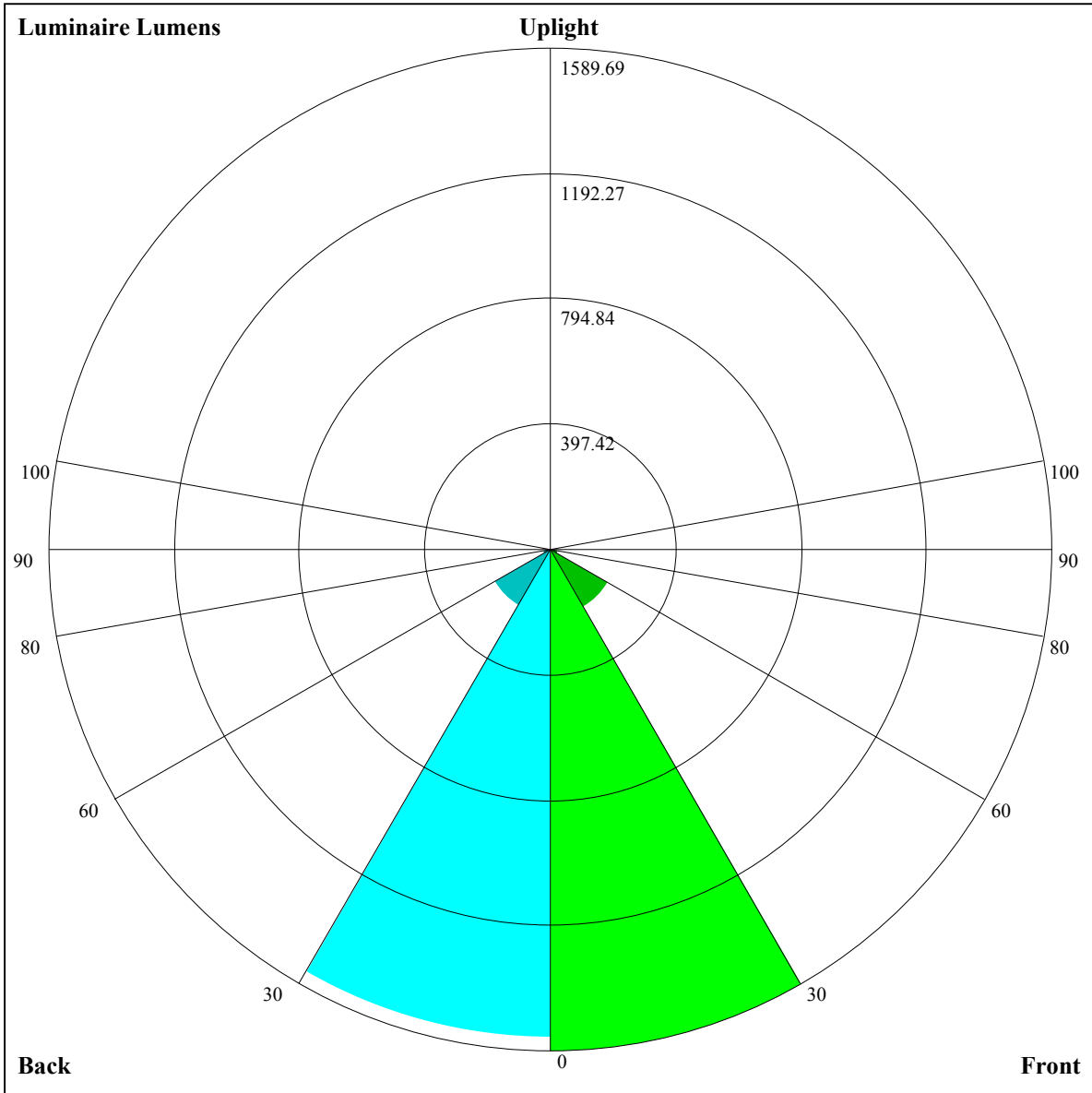
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.83	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	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	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	0.73	0.69	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	0.70	0.67	0.64	0.69	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	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:  
FL=1589.69,FM=210.21,FH=26.6,FVH=9.11  
BL=1546.26,BM=203,BH=26.3,BVH=9.06  
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	12843.35	12790.68	12673.63	12381.02	11644.28	11496.80	10870.03	10171.27	9442.08
45.0	12784.83	12837.50	12796.53	12673.63	12427.84	12082.56	11590.97	10976.48	10133.76
90.0	12831.64	12743.86	12603.41	11647.79	11647.79	11361.62	10728.40	9872.22	9158.83
135.0	12825.79	12808.23	12714.60	12539.03	12158.63	11690.45	11093.53	10268.36	9577.79
180.0	12843.35	12790.68	12615.11	12369.32	11971.36	11298.35	10642.90	9917.22	9197.40
225.0	12784.83	12650.22	11655.40	11655.40	11358.69	10516.55	9776.83	9026.57	8296.21
270.0	12831.64	12814.09	12697.04	12492.21	12059.15	11544.15	10906.25	10186.43	9285.18
315.0	12825.79	12726.30	12556.59	11603.90	11603.90	11134.55	10431.11	9511.72	8771.41
360.0	12843.35	12790.68	12673.63	12381.02	11644.28	11496.80	10870.03	10171.27	9442.08
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8536.15	7829.78	7150.34	6361.45	5780.91	5254.21	4663.72	4244.70	3873.08
45.0	9425.63	8705.81	7991.83	7149.11	6517.07	5925.99	5247.13	4761.39	4322.47
90.0	8443.10	7572.87	6912.15	6286.55	5706.00	5064.60	4602.27	4189.68	3819.82
135.0	8881.37	7997.68	7324.68	6692.63	5955.25	5416.84	4919.40	4480.48	3988.89
180.0	8302.00	7611.44	6950.13	6335.65	5621.67	5106.67	4644.35	4146.90	3795.77
225.0	7594.52	6765.84	6159.55	5609.44	5102.64	4530.87	4128.82	3771.83	3378.56
270.0	8559.50	7845.53	7154.96	6352.20	5779.68	5112.53	4650.20	4234.69	3772.36
315.0	8042.81	7181.94	6549.90	5961.16	5297.52	4821.14	4386.32	4007.09	3584.56
360.0	8536.15	7829.78	7150.34	6361.45	5780.91	5254.21	4663.72	4244.70	3873.08
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3476.88	3188.36	2936.72	2646.45	2435.18	2237.37	2046.01	1828.30	1676.73
45.0	3860.14	3532.42	3239.81	2988.16	2988.16	2486.09	2290.63	2056.54	1883.31
90.0	3422.45	3141.55	2833.72	2612.50	2405.33	2168.90	1990.99	1827.72	1650.39
135.0	3649.46	3345.15	3070.09	3011.57	2748.86	2355.59	2168.32	1951.78	1786.17
180.0	3468.04	3122.76	2994.01	2994.01	2370.80	2166.56	1978.12	1767.44	1631.67
225.0	3091.80	2790.41	2567.44	2362.03	2125.60	1949.44	1786.17	1645.71	1529.84
270.0	3438.78	3163.73	2976.45	2976.45	2416.45	2232.11	2039.57	1831.81	1678.48
315.0	3288.44	3013.97	2781.63	2508.33	2309.36	2125.01	1907.31	1747.54	1612.35
360.0	3476.88	3188.36	2936.72	2646.45	2435.18	2237.37	2046.01	1828.30	1676.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1553.83	1454.34	1153.95	1153.95	1082.26	902.01	755.99	608.05	427.33
45.0	1724.72	1592.46	1460.78	1375.92	1265.31	1097.36	952.80	801.82	608.11
90.0	1531.01	1432.10	1162.37	1162.37	1056.68	905.05	745.64	545.84	397.66
135.0	1612.94	1502.33	1411.04	1286.97	1154.12	1008.40	855.66	660.19	510.37
180.0	1515.21	1423.33	1334.37	1183.38	1042.34	891.94	740.95	554.27	414.40
225.0	1410.45	1144.70	1144.70	1035.09	846.00	692.38	505.46	371.56	257.73
270.0	1555.00	1430.93	1343.15	1228.45	1057.56	904.23	702.33	544.90	399.77
315.0	1478.92	1314.47	1148.68	1114.62	965.27	811.82	655.80	468.06	334.75
360.0	1553.83	1454.34	1153.95	1153.95	1082.26	902.01	755.99	608.05	427.33
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	300.10	199.44	139.75	126.64	115.93	106.86	96.04	88.60	82.17
45.0	461.22	297.35	297.35	178.20	126.12	112.95	103.99	95.33	88.02
90.0	275.41	169.25	134.95	122.60	110.43	101.54	93.17	84.62	78.24
135.0	370.51	308.47	308.47	130.74	118.98	107.51	98.90	91.12	82.58
180.0	321.35	321.35	138.58	123.60	114.12	104.81	94.69	87.55	80.94
225.0	159.94	133.61	122.37	110.84	102.00	94.28	87.26	79.42	74.21
270.0	306.13	306.13	133.20	122.02	112.36	101.89	93.93	86.96	80.70
315.0	223.50	152.92	125.82	115.52	106.92	96.68	89.13	82.81	75.44
360.0	300.10	199.44	139.75	126.64	115.93	106.86	96.04	88.60	82.17

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	76.20	69.64	65.14	61.10	57.12	53.90	51.21	49.28	47.75
45.0	81.70	74.50	69.35	64.78	59.81	56.53	53.49	50.74	48.81
90.0	72.74	67.65	62.27	58.52	55.54	52.61	50.10	48.34	47.11
135.0	76.49	69.88	65.25	61.10	57.64	54.02	51.50	49.63	47.99
180.0	75.38	70.17	64.84	60.92	57.88	54.19	52.03	49.98	48.11
225.0	69.23	65.08	60.51	57.64	54.72	51.97	49.98	48.22	46.82
270.0	73.86	69.00	64.84	60.16	57.24	53.78	51.62	49.69	48.16
315.0	70.40	65.78	60.92	57.70	54.89	52.20	49.80	47.99	46.82
360.0	76.20	69.64	65.14	61.10	57.12	53.90	51.21	49.28	47.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	46.53	45.41	44.77	43.83	43.25	41.61	40.26	38.57	36.28
45.0	47.17	46.06	45.24	44.77	43.72	43.01	41.61	40.20	37.86
90.0	45.76	45.18	44.30	43.54	42.72	41.26	39.44	37.57	35.87
135.0	46.41	45.30	44.89	44.07	43.25	42.25	40.38	38.86	36.87
180.0	46.64	45.71	44.89	43.95	43.31	41.20	39.85	37.98	36.28
225.0	46.06	45.12	44.30	43.42	41.84	40.44	38.10	36.46	34.59
270.0	46.64	45.65	45.06	44.36	43.48	42.08	40.61	39.03	36.64
315.0	45.65	44.89	44.18	43.42	42.49	40.97	39.09	37.22	35.64
360.0	46.53	45.41	44.77	43.83	43.25	41.61	40.26	38.57	36.28
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	34.59	32.71	30.84	29.09	27.62	26.10	24.93	24.05	23.17
45.0	36.17	34.59	32.07	30.72	28.85	27.04	25.87	24.76	23.76
90.0	34.18	31.95	30.37	28.56	27.21	25.69	24.58	23.58	22.88
135.0	34.88	32.89	31.37	29.79	27.80	26.51	25.28	24.29	23.41
180.0	33.94	32.13	30.61	28.79	27.10	25.81	24.46	23.70	23.00
225.0	32.66	30.72	28.85	27.21	25.93	24.58	23.76	23.12	22.47
270.0	34.94	32.48	31.08	29.20	27.45	26.28	25.05	24.11	23.23
315.0	33.12	31.66	30.02	28.32	26.80	25.52	24.46	23.64	22.82
360.0	34.59	32.71	30.84	29.09	27.62	26.10	24.93	24.05	23.17
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.53	21.95	21.48	20.83	20.37	19.90	19.49	18.90	18.49
45.0	23.06	22.41	21.83	21.24	20.78	20.31	19.90	19.37	19.02
90.0	22.30	21.59	21.13	20.66	20.13	19.66	19.25	18.84	18.38
135.0	22.71	22.12	21.48	21.01	20.54	19.96	19.55	19.20	18.73
180.0	22.24	21.71	21.24	20.60	20.19	19.72	19.31	18.90	18.38
225.0	21.77	21.30	20.83	20.37	19.90	19.37	18.96	18.55	18.02
270.0	22.59	22.00	21.48	20.89	20.42	19.96	19.43	19.02	18.61
315.0	22.24	21.71	21.07	20.60	20.01	19.55	19.14	18.73	18.20
360.0	22.53	21.95	21.48	20.83	20.37	19.90	19.49	18.90	18.49
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.02	17.62	17.21	16.85	16.56	16.21	15.92	15.63	15.57
45.0	18.61	18.08	17.62	17.21	16.85	16.50	16.21	15.92	15.68
90.0	18.02	17.62	17.21	16.91	16.62	16.27	15.98	15.63	15.27
135.0	18.26	17.79	17.38	17.03	16.68	16.33	15.98	15.63	15.51
180.0	17.97	17.50	17.09	16.74	16.39	16.04	15.74	15.68	15.27
225.0	17.67	17.21	16.85	16.56	16.27	15.86	15.51	15.27	15.45
270.0	18.08	17.67	17.21	16.85	16.50	16.21	15.92	15.57	15.22
315.0	17.85	17.38	17.09	16.62	16.33	16.04	15.74	15.63	15.22
360.0	18.02	17.62	17.21	16.85	16.56	16.21	15.92	15.63	15.57

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	15.27
45.0	15.33
90.0	15.27
135.0	15.27
180.0	15.39
225.0	15.39
270.0	15.33
315.0	15.33
360.0	15.27