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NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.412.00

Report No: 2024326-B036

Ballast type: AC

Test No: 2024326-C036

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): 3608.98, Efficiency(%): 85.32% , Luminous Efficacy(lm/W): 145.38

Central intensity(cd): 18520.030, Maximum intensity(cd): 18520.030

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.0

[C90/270]Total=17.0

Field angle(10%Imax): [C0/180]Total=48.6

[C90/270]Total=48.6

Maximum s/h(1/2): C0_180=0.29 C90_270=0.29

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.32%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.988%

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	18520.029	0.000	0	0.00%	0.00%
1.0	18310.080	17.623	17.623	0.42%	0.49%
2.0	17761.432	51.773	69.396	1.22%	1.92%
3.0	16910.662	82.924	152.32	1.96%	4.22%
4.0	15620.240	108.891	261.211	2.57%	7.24%
5.0	13509.136	125.313	386.524	2.96%	10.71%
6.0	12558.811	136.994	523.518	3.24%	14.51%
7.0	11368.537	148.517	672.035	3.51%	18.62%
8.0	9876.579	152.047	824.082	3.59%	22.83%
9.0	8599.033	149.735	973.817	3.54%	26.98%
10.0	7372.182	144.534	1118.351	3.42%	30.99%
11.0	6495.588	138.568	1256.918	3.28%	34.83%
12.0	5738.746	133.739	1390.657	3.16%	38.53%
13.0	5140.573	129.110	1519.767	3.05%	42.11%
14.0	4620.307	124.938	1644.706	2.95%	45.57%
15.0	4183.144	120.858	1765.563	2.86%	48.92%
16.0	3801.797	117.002	1882.565	2.77%	52.16%
17.0	3465.000	113.164	1995.729	2.68%	55.30%
18.0	3151.100	109.085	2104.814	2.58%	58.32%
19.0	2913.865	105.518	2210.332	2.49%	61.25%
20.0	2773.045	104.086	2314.418	2.46%	64.13%
21.0	2517.250	101.584	2416.002	2.40%	66.94%
22.0	2261.075	96.022	2512.025	2.27%	69.60%
23.0	2082.728	91.145	2603.169	2.15%	72.13%
24.0	1905.112	87.188	2690.358	2.06%	74.55%
25.0	1729.910	82.652	2773.01	1.95%	76.84%
26.0	1572.558	77.955	2850.966	1.84%	79.00%
27.0	1459.829	74.188	2925.154	1.75%	81.05%
28.0	1333.955	70.733	2995.886	1.67%	83.01%
29.0	1243.311	67.429	3063.315	1.59%	84.88%
30.0	1162.842	64.966	3128.28	1.54%	86.68%
31.0	1023.888	60.854	3189.134	1.44%	88.37%
32.0	871.502	54.301	3243.435	1.28%	89.87%
33.0	695.928	46.177	3289.612	1.09%	91.15%
34.0	533.615	37.210	3326.821	0.88%	92.18%
35.0	391.113	28.719	3355.54	0.68%	92.98%
36.0	278.743	21.328	3376.868	0.50%	93.57%
37.0	228.918	16.557	3393.425	0.39%	94.03%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	175.194	13.489	3406.914	0.32%	94.40%
39.0	123.146	10.183	3417.097	0.24%	94.68%
40.0	115.092	8.309	3425.406	0.20%	94.91%
41.0	106.913	7.905	3433.312	0.19%	95.13%
42.0	98.976	7.480	3440.792	0.18%	95.34%
43.0	91.771	7.066	3447.858	0.17%	95.54%
44.0	85.706	6.698	3454.556	0.16%	95.72%
45.0	80.432	6.385	3460.941	0.15%	95.90%
46.0	75.084	6.082	3467.023	0.14%	96.07%
47.0	70.666	5.797	3472.82	0.14%	96.23%
48.0	67.067	5.568	3478.388	0.13%	96.38%
49.0	63.921	5.379	3483.767	0.13%	96.53%
50.0	61.083	5.212	3488.979	0.12%	96.68%
51.0	58.837	5.074	3494.052	0.12%	96.82%
52.0	57.133	4.976	3499.029	0.12%	96.95%
53.0	55.765	4.911	3503.94	0.12%	97.09%
54.0	54.565	4.863	3508.803	0.11%	97.22%
55.0	53.307	4.815	3513.618	0.11%	97.36%
56.0	51.975	4.757	3518.375	0.11%	97.49%
57.0	50.454	4.683	3523.059	0.11%	97.62%
58.0	48.661	4.583	3527.642	0.11%	97.75%
59.0	46.481	4.448	3532.09	0.11%	97.87%
60.0	44.155	4.282	3536.372	0.10%	97.99%
61.0	41.507	4.088	3540.46	0.10%	98.10%
62.0	38.727	3.866	3544.326	0.09%	98.21%
63.0	35.874	3.628	3547.954	0.09%	98.31%
64.0	33.460	3.402	3551.357	0.08%	98.40%
65.0	31.258	3.203	3554.559	0.08%	98.49%
66.0	29.137	3.013	3557.573	0.07%	98.58%
67.0	27.462	2.846	3560.419	0.07%	98.65%
68.0	25.962	2.706	3563.125	0.06%	98.73%
69.0	24.945	2.597	3565.722	0.06%	98.80%
70.0	24.082	2.518	3568.24	0.06%	98.87%
71.0	23.387	2.453	3570.693	0.06%	98.94%
72.0	22.765	2.400	3573.093	0.06%	99.01%
73.0	22.209	2.352	3575.445	0.06%	99.07%
74.0	21.719	2.309	3577.755	0.05%	99.13%
75.0	21.207	2.268	3580.023	0.05%	99.20%

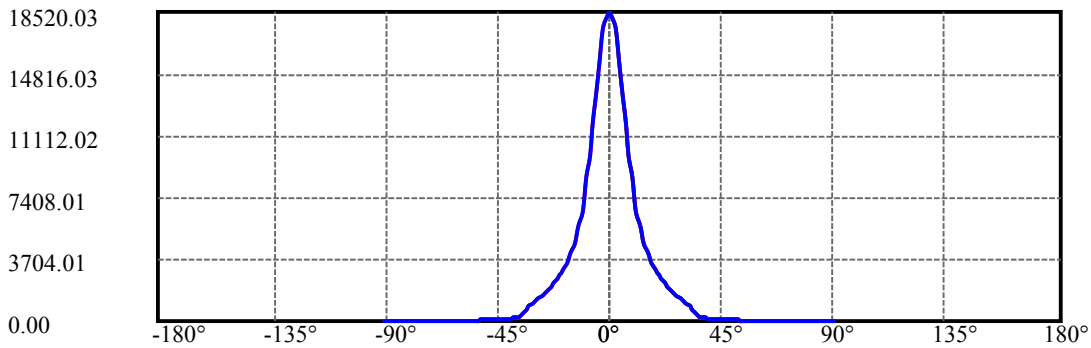
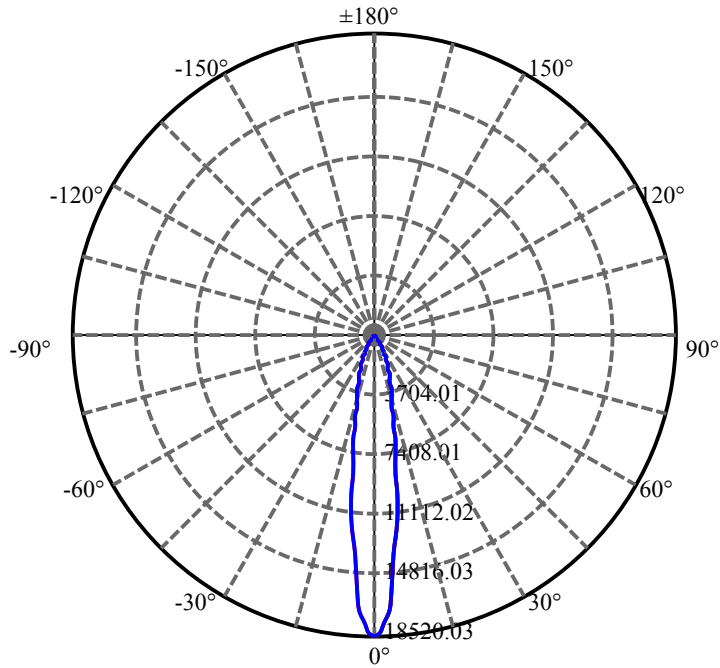
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.710	2.225	3582.248	0.05%	99.26%
77.0	20.212	2.182	3584.429	0.05%	99.32%
78.0	19.781	2.141	3586.57	0.05%	99.38%
79.0	19.320	2.101	3588.671	0.05%	99.44%
80.0	18.895	2.060	3590.731	0.05%	99.49%
81.0	18.471	2.021	3592.752	0.05%	99.55%
82.0	17.893	1.972	3594.724	0.05%	99.61%
83.0	17.374	1.917	3596.641	0.05%	99.66%
84.0	16.942	1.869	3598.511	0.04%	99.71%
85.0	16.576	1.829	3600.34	0.04%	99.76%
86.0	16.189	1.791	3602.131	0.04%	99.81%
87.0	15.867	1.754	3603.885	0.04%	99.86%
88.0	15.538	1.720	3605.606	0.04%	99.91%
89.0	15.333	1.692	3607.298	0.04%	99.95%
90.0	15.267	1.678	3608.976	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3128.28	73.95%	86.68%
0-40	3425.41	80.98%	94.91%
0-60	3536.37	83.60%	97.99%
0-90	3607.30	85.28%	99.95%
0-120	3607.30	85.28%	99.95%
0-180	3608.98	85.32%	100.00%
60-90	70.93	1.68%	1.97%
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%
0-26.49	2887.18	68.25%	80.00%

ZONAL LUMEN SUMMARY

0-10	1118.35
10-20	1196.07
20-30	813.86
30-40	297.13
40-50	63.57
50-60	47.39
60-70	31.87
70-80	22.49
80-90	16.57
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: —————

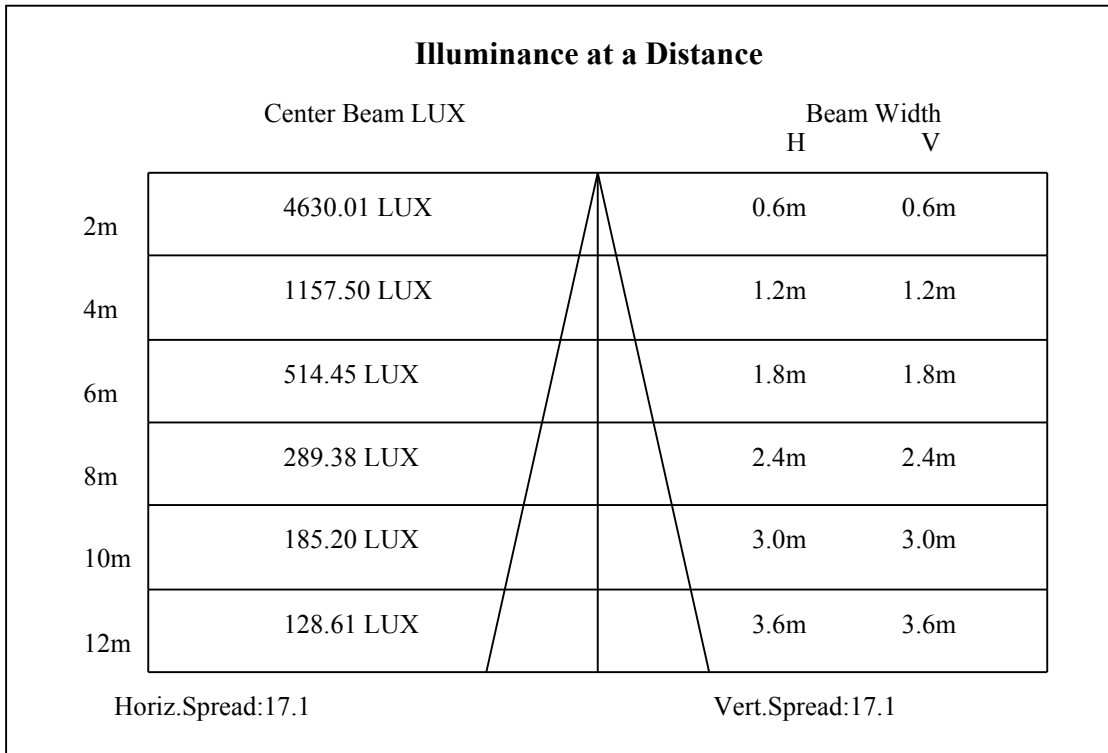
C90/C270: —————

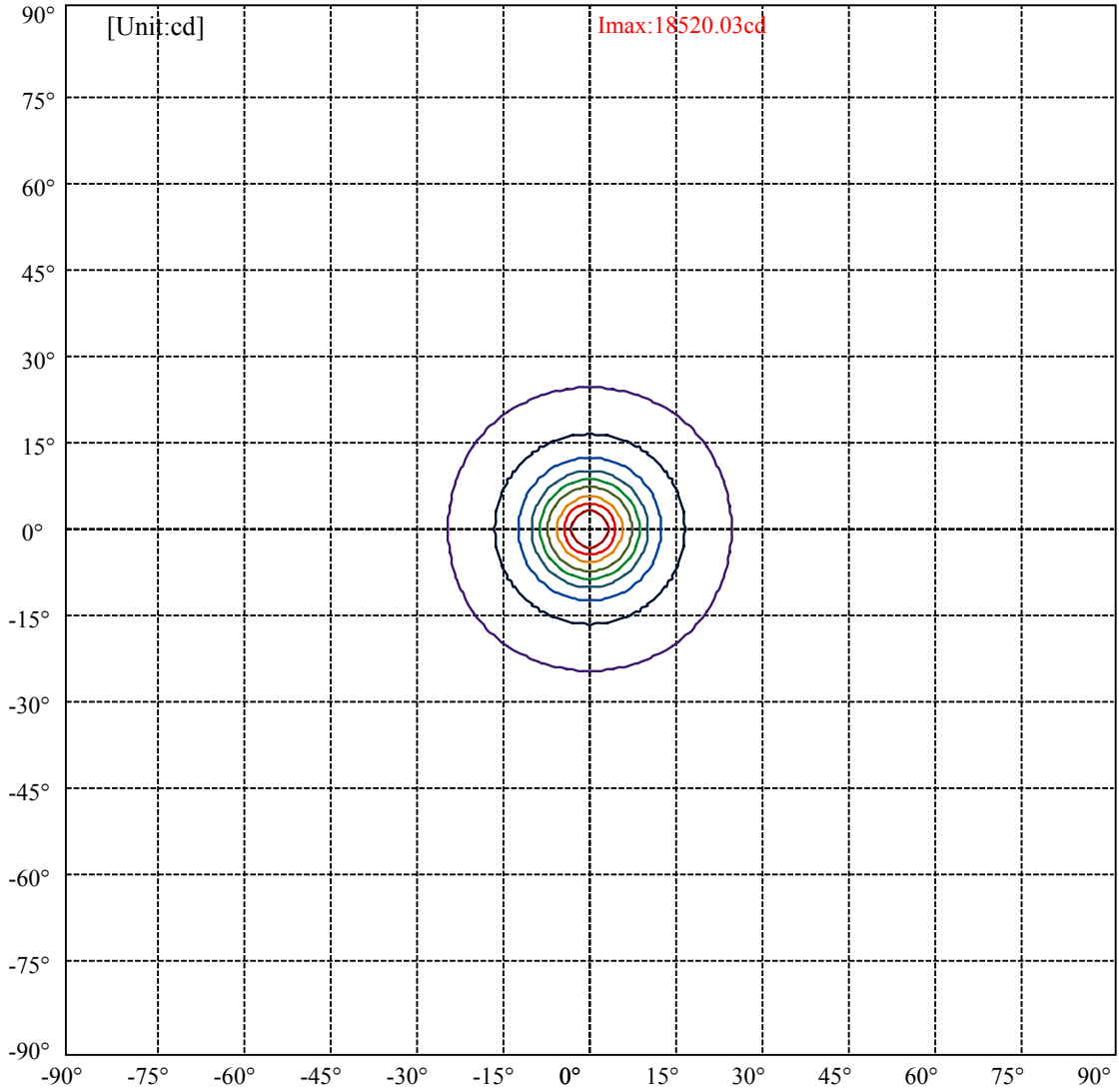
Field angle(10%Imax):C0/180Left:24.3 Right:24.3

:C90/270Left:24.3 Right:24.3

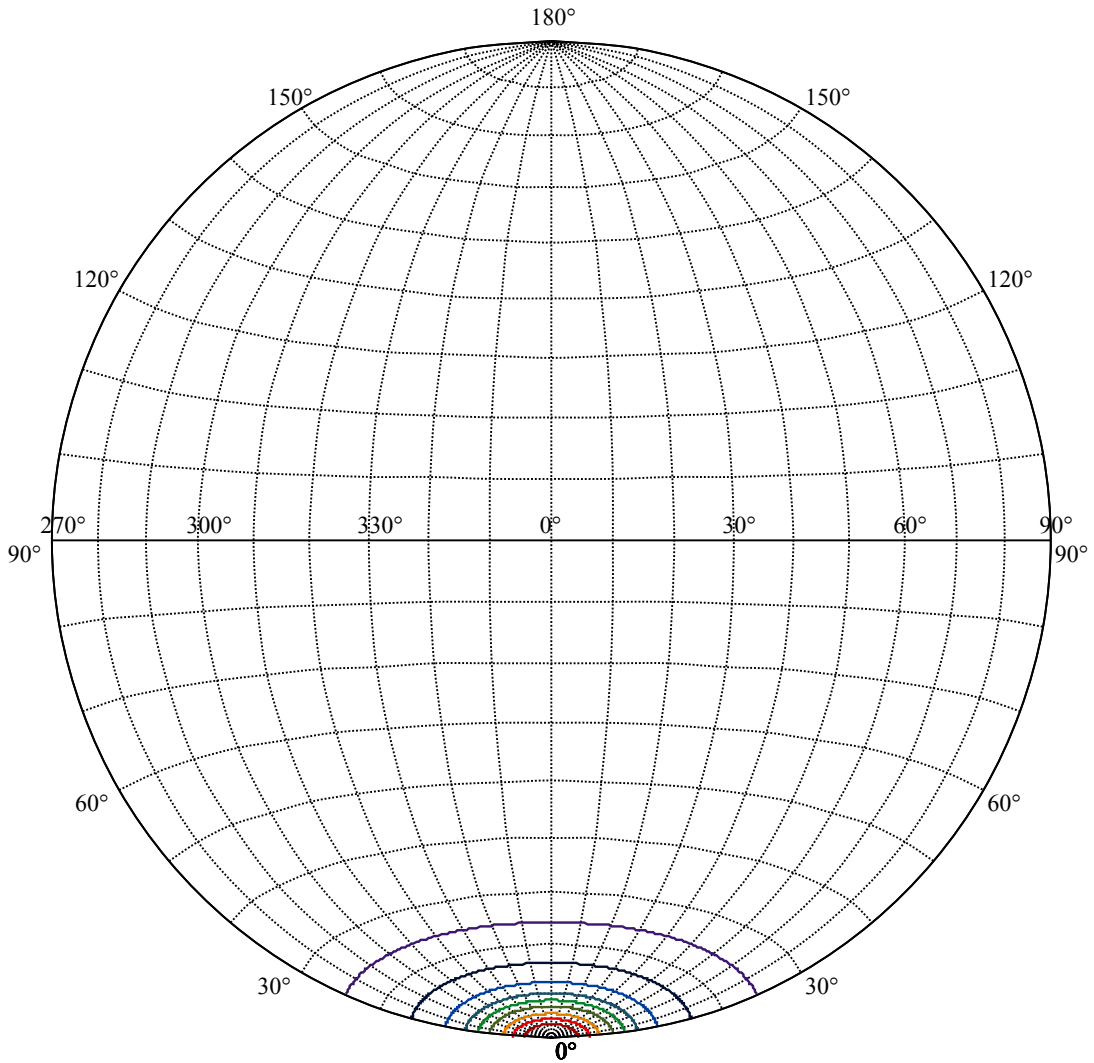
Beam Angle(50%Imax):C0/180Left:8.5 Right:8.5

:C90/270Left:8.5 Right:8.5





(10%Imax) 1852	—
(20%Imax) 3704.01	—
(30%Imax) 5556.01	—
(40%Imax) 7408.01	—
(50%Imax) 9260.02	—
(60%Imax) 11112	—
(70%Imax) 12964	—
(80%Imax) 14816	—
(90%Imax) 16668	—



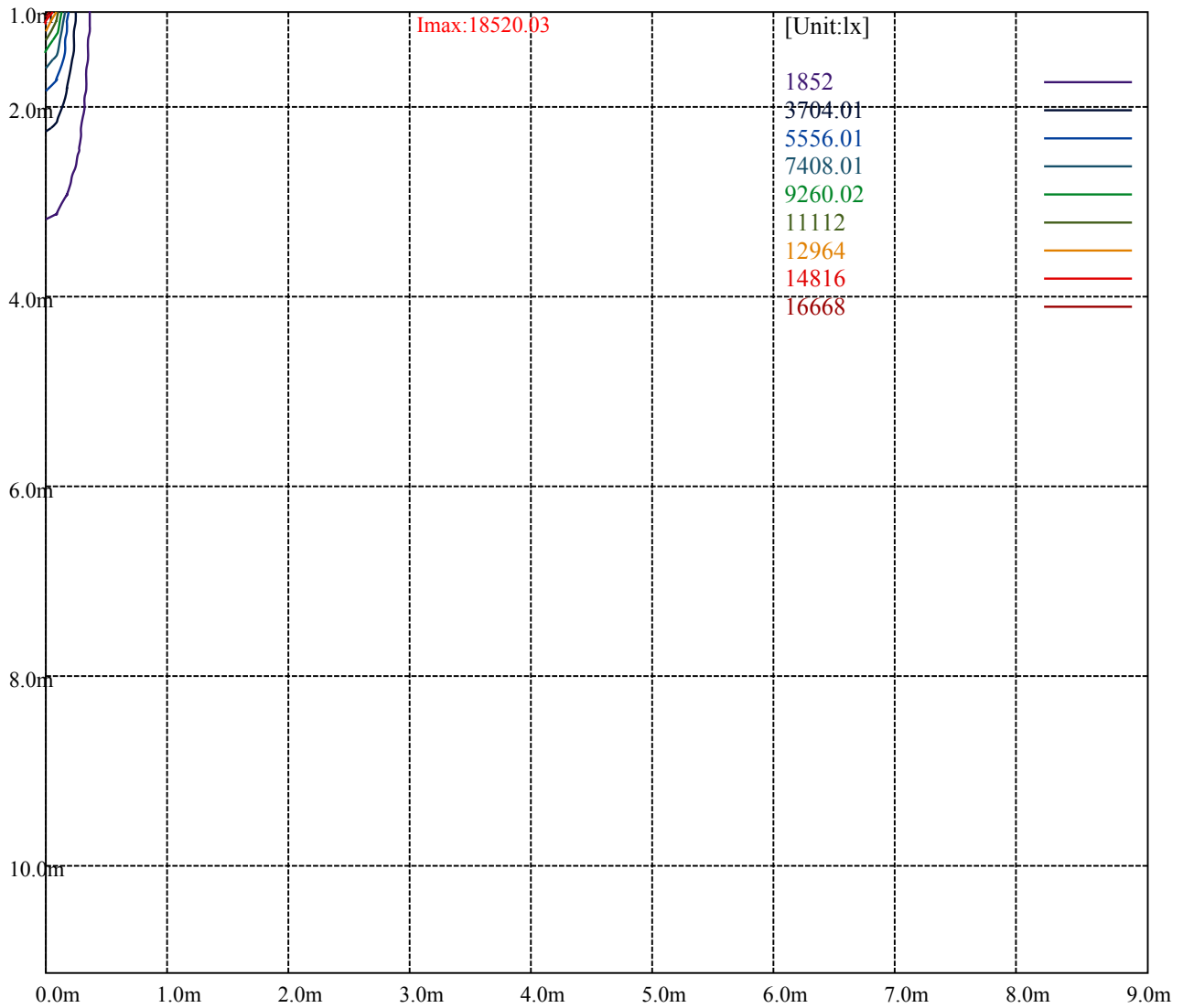
House

[Unit:cd]

Road

Imax:18520.03

(10%Imax) 1852	—
(20%Imax) 3704.01	—
(30%Imax) 5556.01	—
(40%Imax) 7408.01	—
(50%Imax) 9260.02	—
(60%Imax) 11112	—
(70%Imax) 12964	—
(80%Imax) 14816	—
(90%Imax) 16668	—



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

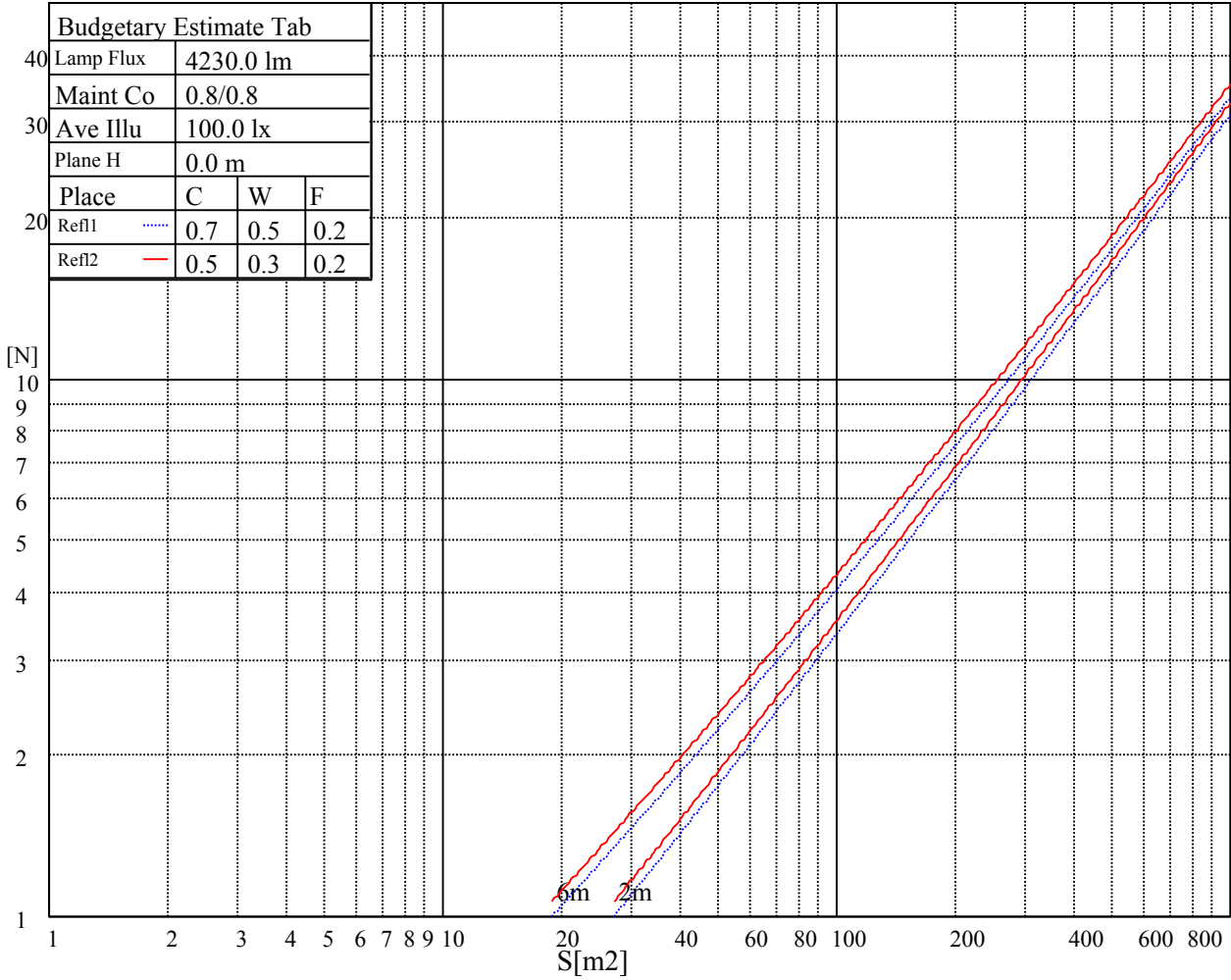
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

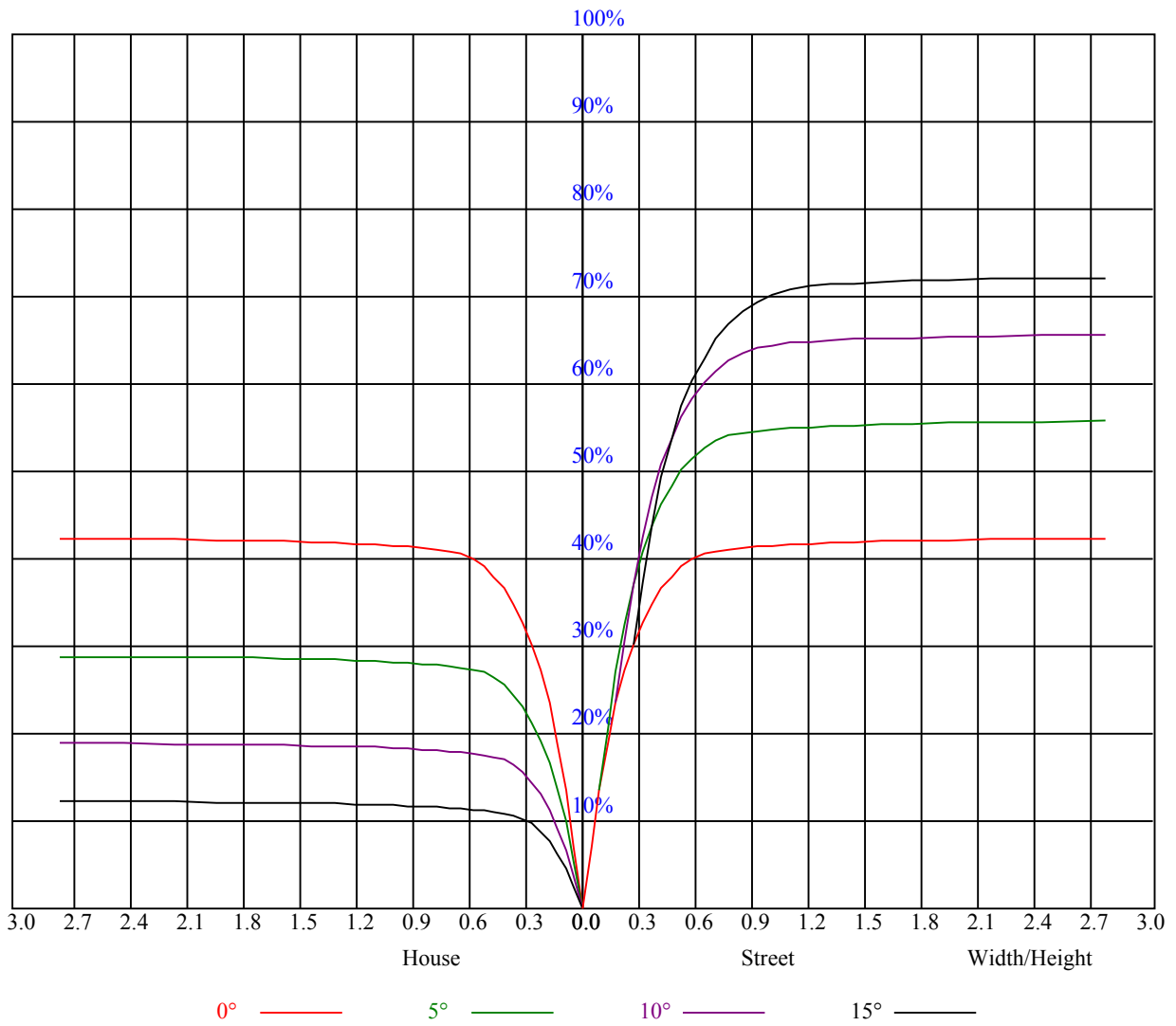


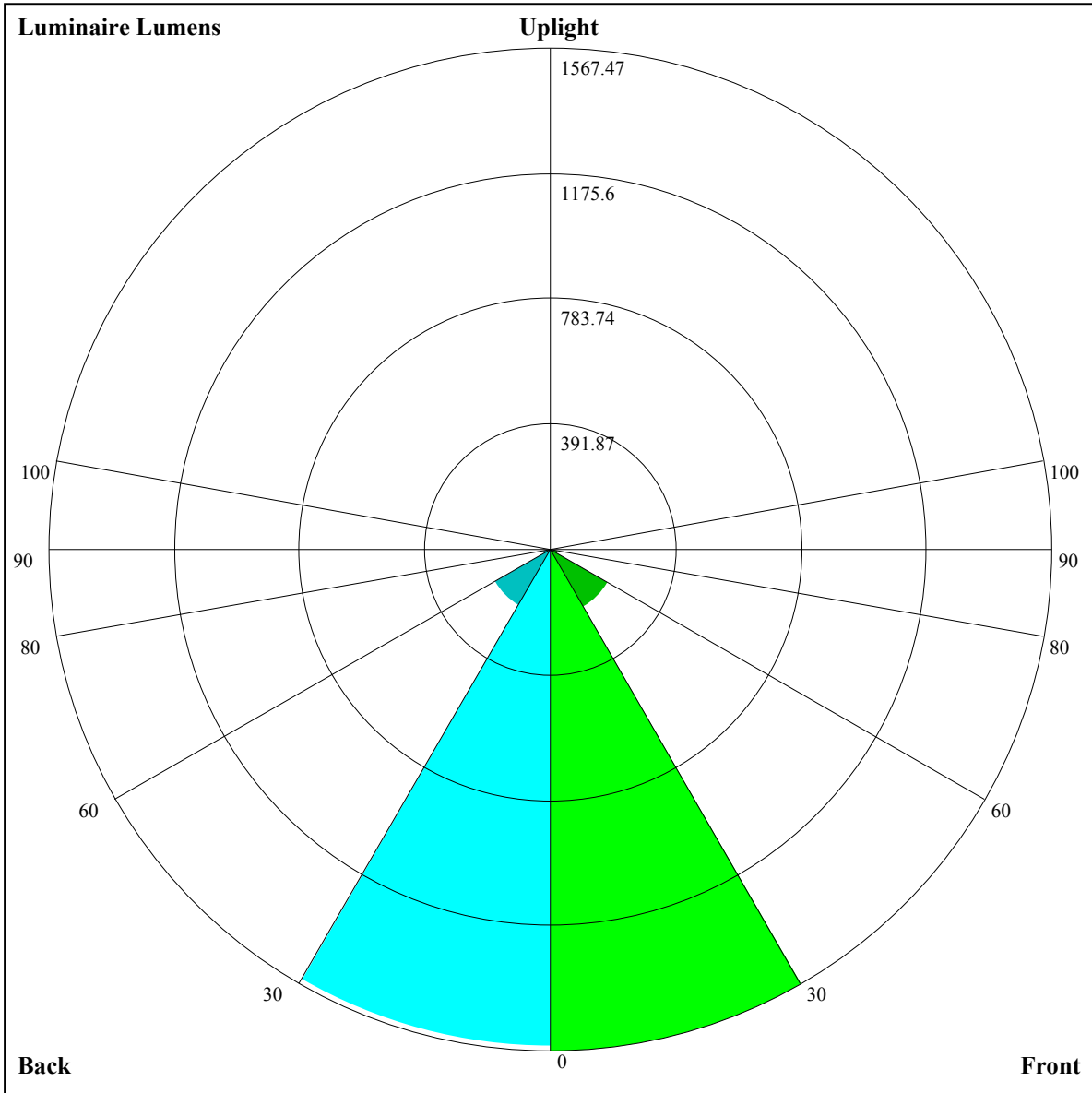
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	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	0.74
4	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.72	0.70
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	0.68
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	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	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	0.65	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	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=1567.47,FM=207.15,FH=27.41,FVH=9.17

BL=1553.08,BM=204.66,BH=27.03,BVH=9.08

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	18590.26	18373.72	17829.46	16980.89	15640.72	13364.20	11509.68	11154.45	9770.39
45.0	18420.54	18619.52	18508.33	18051.85	17033.56	15933.34	14675.10	12942.84	11532.44
90.0	18607.81	18321.05	17724.12	16828.73	15722.65	11603.90	11603.90	11257.45	9890.95
135.0	18461.51	18566.85	18250.83	17630.49	16419.07	15213.51	13849.93	12445.39	10713.13
180.0	18590.26	18420.54	17928.95	17168.16	16126.46	14558.06	13176.93	11731.42	10005.01
225.0	18420.54	17712.42	16828.73	15705.10	13405.16	11544.79	11186.63	9792.04	8520.93
270.0	18607.81	18443.95	17952.36	16904.81	15804.59	14212.77	12825.79	11397.84	9677.28
315.0	18461.51	18022.59	17068.67	16015.27	14809.70	11642.52	11642.52	10226.87	8902.50
360.0	18590.26	18373.72	17829.46	16980.89	15640.72	13364.20	11509.68	11154.45	9770.39
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8504.55	7188.38	6360.87	5700.15	5011.93	4556.04	4160.42	3804.61	3422.45
45.0	10151.31	8553.65	7470.98	6405.87	5738.72	5171.05	4691.16	4170.31	3813.33
90.0	8622.76	7308.35	6468.55	5624.07	5070.45	4599.93	4091.37	3737.89	3423.04
135.0	9402.22	8225.92	7225.19	6224.45	5586.56	5030.59	4445.37	4035.71	3684.58
180.0	8735.07	7389.05	6517.07	5826.50	5235.42	4615.08	4193.72	3836.74	3509.01
225.0	7190.72	6362.04	5547.41	5015.44	4557.79	4062.69	3719.75	3413.68	3135.11
270.0	8448.31	7353.94	6476.10	5791.39	5094.97	4626.79	4222.98	3871.85	3473.90
315.0	7737.32	6596.13	5898.54	5322.09	4828.75	4300.29	3940.38	3543.60	3258.59
360.0	8504.55	7188.38	6360.87	5700.15	5011.93	4556.04	4160.42	3804.61	3422.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3156.18	2914.48	2700.87	2456.25	2276.58	2105.11	1892.68	1722.38	1536.27
45.0	3503.16	3222.25	2976.45	2976.45	2512.43	2289.46	2117.99	1949.44	1738.18
90.0	3078.93	2842.50	2630.64	2439.86	2223.33	2060.64	1896.77	1735.25	1556.17
135.0	3304.18	3040.83	2976.45	2729.55	2366.71	2195.24	1992.75	1833.57	1669.71
180.0	3140.32	3005.72	3005.72	2480.24	2245.57	2074.10	1907.31	1696.63	1559.10
225.0	2831.38	2616.01	2425.82	2248.49	2041.91	1884.48	1722.38	1545.05	1446.15
270.0	3192.99	2953.05	2953.05	2474.98	2304.67	2100.43	1926.62	1733.49	1579.58
315.0	3001.68	2716.09	2515.36	2332.18	2117.40	1952.37	1784.41	1623.47	1495.31
360.0	3156.18	2914.48	2700.87	2456.25	2276.58	2105.11	1892.68	1722.38	1536.27
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1437.96	1313.89	1165.30	1131.83	994.18	848.17	664.64	517.87	378.52
45.0	1581.34	1470.14	1378.26	1304.53	1192.16	1060.49	877.90	722.81	567.73
90.0	1455.51	1378.85	1141.72	1141.72	1039.77	849.69	690.74	497.15	357.57
135.0	1537.44	1442.05	1355.44	1273.51	1155.29	1019.52	832.83	679.50	494.57
180.0	1439.71	1368.31	1299.26	1161.14	1023.03	869.70	719.30	537.30	400.35
225.0	1371.24	1155.00	1155.00	1014.96	827.63	672.07	520.85	352.60	240.35
270.0	1466.63	1384.12	1292.24	1182.80	1049.37	897.21	694.72	536.12	390.99
315.0	1388.80	1159.27	1159.27	1092.26	909.67	755.17	566.44	425.58	298.82
360.0	1437.96	1313.89	1165.30	1131.83	994.18	848.17	664.64	517.87	378.52
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	260.25	173.69	135.36	125.47	117.40	107.97	100.13	92.17	86.26
45.0	420.25	321.35	321.35	133.02	123.25	113.65	106.45	96.97	91.24
90.0	245.09	168.43	138.64	125.41	117.51	109.26	101.19	92.93	87.26
135.0	358.22	296.77	296.77	130.39	120.79	111.72	103.94	97.09	90.48
180.0	310.23	310.23	139.17	128.52	120.09	112.01	101.95	95.16	87.55
225.0	161.23	130.86	119.68	112.54	105.28	97.97	90.53	85.09	78.71
270.0	297.94	297.94	129.45	118.22	111.25	104.35	95.51	89.89	84.10
315.0	176.74	132.09	121.14	111.60	105.16	98.38	92.11	84.86	80.06
360.0	260.25	173.69	135.36	125.47	117.40	107.97	100.13	92.17	86.26

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	80.70	75.03	70.52	67.01	63.61	60.63	58.35	57.12	55.42
45.0	85.56	79.12	74.73	70.46	67.07	63.03	60.75	58.58	57.35
90.0	81.29	75.26	70.75	66.48	63.44	60.98	58.29	57.00	55.60
135.0	85.09	78.54	74.15	69.93	65.60	62.85	60.51	58.41	56.65
180.0	81.70	77.02	71.87	68.53	65.14	62.56	59.58	58.05	56.47
225.0	74.62	70.52	66.77	63.79	61.57	59.28	57.64	56.06	55.01
270.0	79.36	73.74	69.82	66.54	63.79	60.80	58.82	56.94	55.60
315.0	75.14	71.46	66.72	63.79	61.16	58.52	56.77	54.89	54.02
360.0	80.70	75.03	70.52	67.01	63.61	60.63	58.35	57.12	55.42
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	54.66	53.08	52.03	49.80	48.63	46.41	44.13	41.32	38.98
45.0	55.54	54.95	53.43	52.49	50.68	49.45	46.41	44.54	40.91
90.0	54.78	53.20	51.97	50.10	48.69	45.53	43.83	40.91	38.16
135.0	55.13	54.07	52.85	51.44	49.33	47.58	45.18	43.13	39.39
180.0	55.13	53.43	52.26	50.56	48.52	46.12	43.83	40.79	38.80
225.0	53.72	52.44	50.80	49.39	46.41	44.89	41.79	38.98	35.93
270.0	54.78	53.49	52.14	50.74	49.51	46.99	45.12	42.55	39.80
315.0	52.79	51.79	50.33	49.10	47.52	44.89	42.96	39.85	37.86
360.0	54.66	53.08	52.03	49.80	48.63	46.41	44.13	41.32	38.98
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.76	33.59	31.49	29.44	27.80	26.22	25.34	24.52	23.70
45.0	39.03	36.28	33.94	31.25	29.14	27.74	26.04	24.99	24.17
90.0	35.29	33.30	30.43	28.68	26.86	25.57	24.70	23.88	23.29
135.0	37.28	34.41	32.54	29.73	28.21	26.28	25.16	24.29	23.41
180.0	35.23	33.24	30.96	29.09	27.62	25.93	24.99	24.17	23.41
225.0	33.71	30.67	28.91	27.45	25.93	24.81	23.99	23.35	22.82
270.0	36.58	33.88	31.84	29.38	27.62	25.98	25.05	23.94	23.35
315.0	34.12	32.30	29.96	28.09	26.51	25.16	24.29	23.53	22.94
360.0	35.76	33.59	31.49	29.44	27.80	26.22	25.34	24.52	23.70
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.17	22.53	22.06	21.59	21.01	20.60	20.25	20.13	20.13
45.0	23.53	22.82	22.36	21.89	21.30	20.83	20.37	19.78	19.37
90.0	22.59	22.06	21.59	21.13	20.60	20.07	19.61	19.08	18.61
135.0	22.82	22.24	21.77	21.19	20.78	20.31	19.90	19.37	18.96
180.0	22.82	22.36	21.71	21.24	20.72	20.13	19.72	19.25	18.67
225.0	22.24	21.77	21.30	20.72	20.31	19.72	19.25	18.84	18.26
270.0	22.65	22.12	21.65	21.07	20.60	20.19	19.72	19.20	18.73
315.0	22.30	21.77	21.30	20.83	20.37	19.84	19.43	18.90	18.43
360.0	23.17	22.53	22.06	21.59	21.01	20.60	20.25	20.13	20.13
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.66	18.38	17.50	17.03	16.74	16.39	15.98	15.68	15.39
45.0	19.02	18.49	17.97	17.38	16.97	16.62	16.27	15.86	15.51
90.0	18.14	17.79	17.32	16.97	16.62	16.21	15.86	15.57	15.27
135.0	18.61	18.08	17.62	17.15	16.74	16.33	16.04	15.68	15.51
180.0	18.26	17.91	17.26	16.85	16.50	16.09	15.74	15.45	15.22
225.0	17.79	17.26	16.91	16.50	16.21	15.80	15.57	15.16	15.33
270.0	18.26	17.67	17.26	16.85	16.50	16.09	15.80	15.45	15.22
315.0	18.02	17.56	17.15	16.80	16.33	15.98	15.68	15.45	15.22
360.0	19.66	18.38	17.50	17.03	16.74	16.39	15.98	15.68	15.39

Intensity data(cd)

C/γ(°)	90.0
0.0	15.27
45.0	15.22
90.0	15.22
135.0	15.27
180.0	15.27
225.0	15.27
270.0	15.27
315.0	15.33
360.0	15.27