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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024305-B023

Ballast type: AC

Test No: 2024305-C023

Voltage(V): 34.240

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.215

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2693.29, Efficiency(%): 81.94% , Luminous Efficacy(lm/W): 147.86

Central intensity(cd): 6550.336, Maximum intensity(cd): 6550.336

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.4

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=61.2

[C90/270]Total=61.2

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 81.94%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.868%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
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	6550.336	0.000	0	0.00%	0.00%
1.0	6541.484	6.264	6.264	0.19%	0.23%
2.0	6529.341	18.760	25.025	0.57%	0.93%
3.0	6503.079	31.169	56.194	0.95%	2.09%
4.0	6455.163	43.375	99.569	1.32%	3.70%
5.0	6363.868	55.147	154.716	1.68%	5.74%
6.0	6248.652	66.282	220.998	2.02%	8.21%
7.0	6089.837	76.585	297.583	2.33%	11.05%
8.0	5890.787	85.743	383.326	2.61%	14.23%
9.0	5669.499	93.690	477.016	2.85%	17.71%
10.0	5425.533	100.406	577.422	3.05%	21.44%
11.0	5180.470	105.976	683.398	3.22%	25.37%
12.0	4906.731	110.268	793.665	3.35%	29.47%
13.0	4621.800	113.080	906.745	3.44%	33.67%
14.0	4346.159	114.789	1021.534	3.49%	37.93%
15.0	4047.401	115.231	1136.765	3.51%	42.21%
16.0	3758.447	114.378	1251.142	3.48%	46.45%
17.0	3469.492	112.558	1363.7	3.42%	50.63%
18.0	3182.219	109.672	1473.373	3.34%	54.71%
19.0	2921.063	106.185	1579.557	3.23%	58.65%
20.0	2660.638	102.161	1681.718	3.11%	62.44%
21.0	2398.530	97.146	1778.864	2.96%	66.05%
22.0	2149.663	91.398	1870.262	2.78%	69.44%
23.0	1917.548	85.341	1955.603	2.60%	72.61%
24.0	1673.334	78.510	2034.113	2.39%	75.53%
25.0	1508.593	72.350	2106.463	2.20%	78.21%
26.0	1308.644	66.501	2172.964	2.02%	80.68%
27.0	1152.696	60.217	2233.181	1.83%	82.92%
28.0	1012.059	54.807	2287.988	1.67%	84.95%
29.0	865.453	49.121	2337.109	1.49%	86.78%
30.0	724.428	42.926	2380.036	1.31%	88.37%
31.0	609.929	37.133	2417.169	1.13%	89.75%
32.0	505.042	31.943	2449.112	0.97%	90.93%
33.0	407.412	26.881	2475.993	0.82%	91.93%
34.0	331.311	22.356	2498.349	0.68%	92.76%
35.0	275.363	18.841	2517.19	0.57%	93.46%
36.0	221.830	15.831	2533.02	0.48%	94.05%
37.0	180.249	13.114	2546.134	0.40%	94.54%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	132.605	10.443	2556.577	0.32%	94.92%
39.0	101.251	7.982	2564.559	0.24%	95.22%
40.0	83.826	6.455	2571.014	0.20%	95.46%
41.0	70.110	5.482	2576.495	0.17%	95.66%
42.0	60.615	4.749	2581.245	0.14%	95.84%
43.0	53.907	4.242	2585.487	0.13%	96.00%
44.0	49.283	3.895	2589.382	0.12%	96.14%
45.0	45.918	3.659	2593.04	0.11%	96.28%
46.0	42.912	3.474	2596.514	0.11%	96.41%
47.0	40.768	3.328	2599.842	0.10%	96.53%
48.0	38.808	3.217	2603.059	0.10%	96.65%
49.0	37.154	3.119	2606.179	0.09%	96.77%
50.0	35.669	3.036	2609.215	0.09%	96.88%
51.0	34.367	2.963	2612.178	0.09%	96.99%
52.0	33.146	2.897	2615.075	0.09%	97.10%
53.0	31.946	2.831	2617.907	0.09%	97.20%
54.0	30.812	2.766	2620.673	0.08%	97.30%
55.0	29.649	2.699	2623.372	0.08%	97.40%
56.0	28.610	2.633	2626.004	0.08%	97.50%
57.0	27.557	2.568	2628.572	0.08%	97.60%
58.0	26.591	2.504	2631.076	0.08%	97.69%
59.0	25.545	2.437	2633.514	0.07%	97.78%
60.0	24.572	2.368	2635.881	0.07%	97.87%
61.0	23.753	2.306	2638.188	0.07%	97.95%
62.0	22.926	2.249	2640.437	0.07%	98.04%
63.0	22.260	2.198	2642.634	0.07%	98.12%
64.0	21.683	2.156	2644.791	0.07%	98.20%
65.0	21.214	2.123	2646.914	0.06%	98.28%
66.0	20.827	2.098	2649.011	0.06%	98.36%
67.0	20.680	2.087	2651.098	0.06%	98.43%
68.0	20.841	2.103	2653.202	0.06%	98.51%
69.0	21.288	2.149	2655.351	0.07%	98.59%
70.0	21.573	2.201	2657.552	0.07%	98.67%
71.0	21.997	2.252	2659.804	0.07%	98.76%
72.0	22.473	2.312	2662.116	0.07%	98.84%
73.0	22.619	2.358	2664.474	0.07%	98.93%
74.0	22.414	2.368	2666.842	0.07%	99.02%
75.0	22.004	2.347	2669.189	0.07%	99.10%

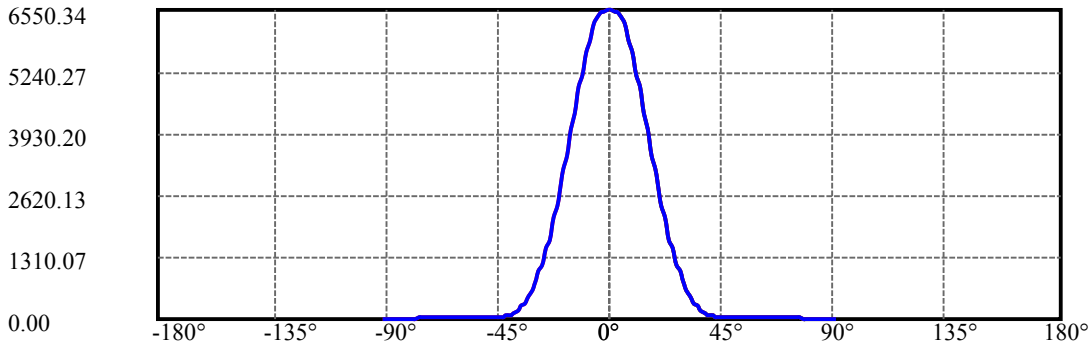
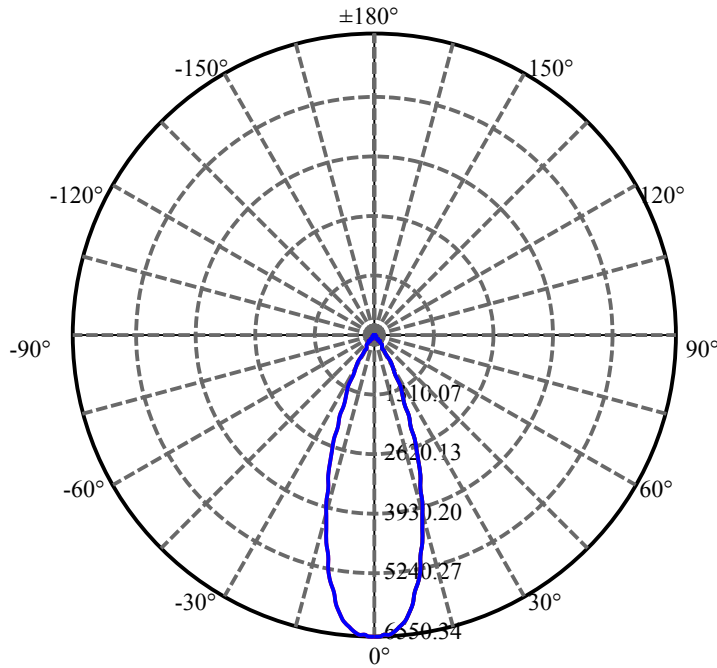
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.149	2.291	2671.479	0.07%	99.19%
77.0	20.322	2.211	2673.69	0.07%	99.27%
78.0	18.771	2.093	2675.783	0.06%	99.35%
79.0	17.118	1.928	2677.711	0.06%	99.42%
80.0	15.662	1.767	2679.479	0.05%	99.49%
81.0	14.660	1.640	2681.118	0.05%	99.55%
82.0	13.731	1.540	2682.658	0.05%	99.61%
83.0	13.168	1.462	2684.12	0.04%	99.66%
84.0	12.933	1.422	2685.542	0.04%	99.71%
85.0	12.363	1.381	2686.923	0.04%	99.76%
86.0	11.946	1.329	2688.252	0.04%	99.81%
87.0	11.639	1.291	2689.542	0.04%	99.86%
88.0	11.434	1.264	2690.806	0.04%	99.91%
89.0	11.331	1.248	2692.054	0.04%	99.95%
90.0	11.280	1.240	2693.294	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2380.04	72.41%	88.37%
0-40	2571.01	78.22%	95.46%
0-60	2635.88	80.19%	97.87%
0-90	2692.05	81.90%	99.95%
0-120	2692.05	81.90%	99.95%
0-180	2693.29	81.94%	100.00%
60-90	56.17	1.71%	2.09%
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%
0-25.72	2154.64	65.55%	80.00%

ZONAL LUMEN SUMMARY

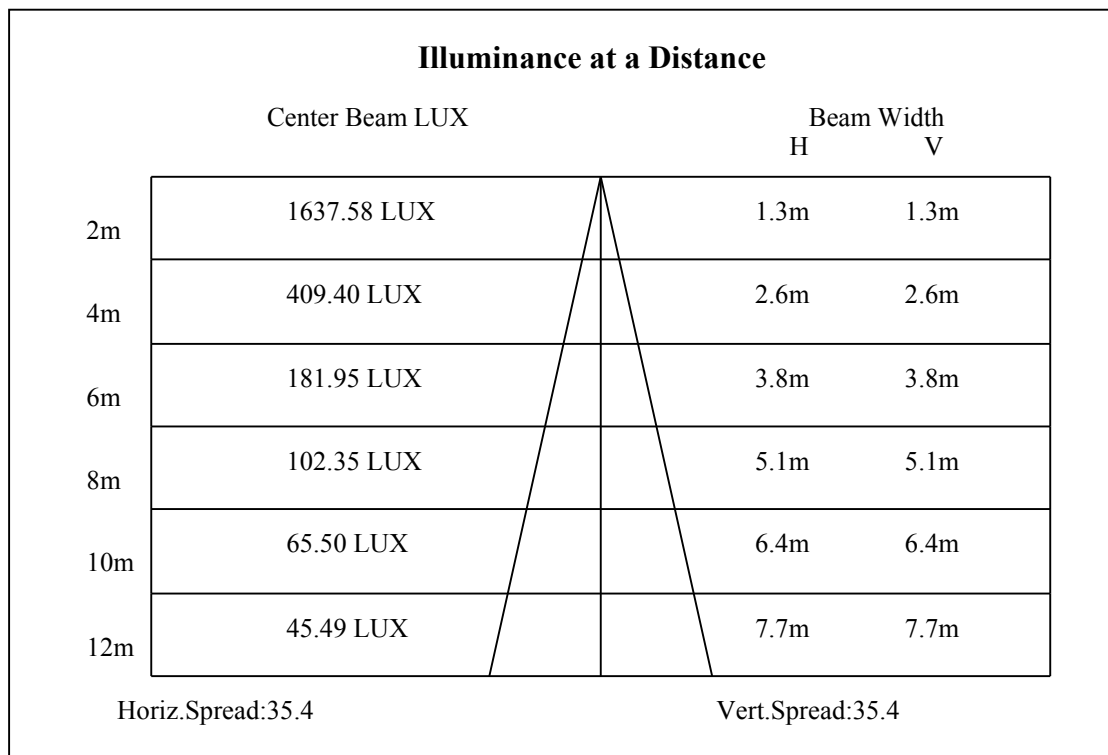
0-10	577.42
10-20	1104.30
20-30	698.32
30-40	190.98
40-50	38.20
50-60	26.67
60-70	21.67
70-80	21.93
80-90	12.58
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

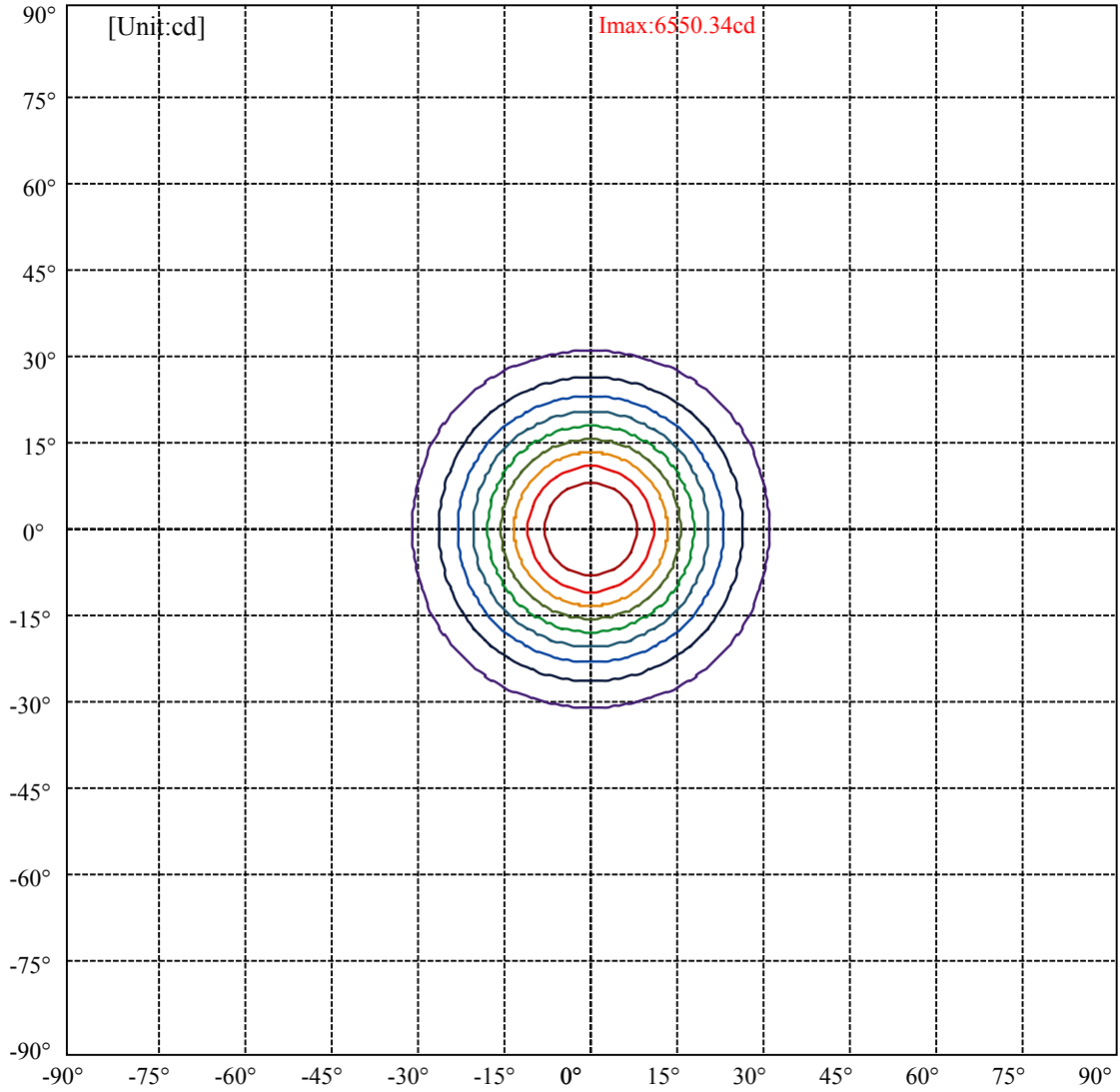


C0(Max): —————
C0/C180: —————
C90/C270: —————

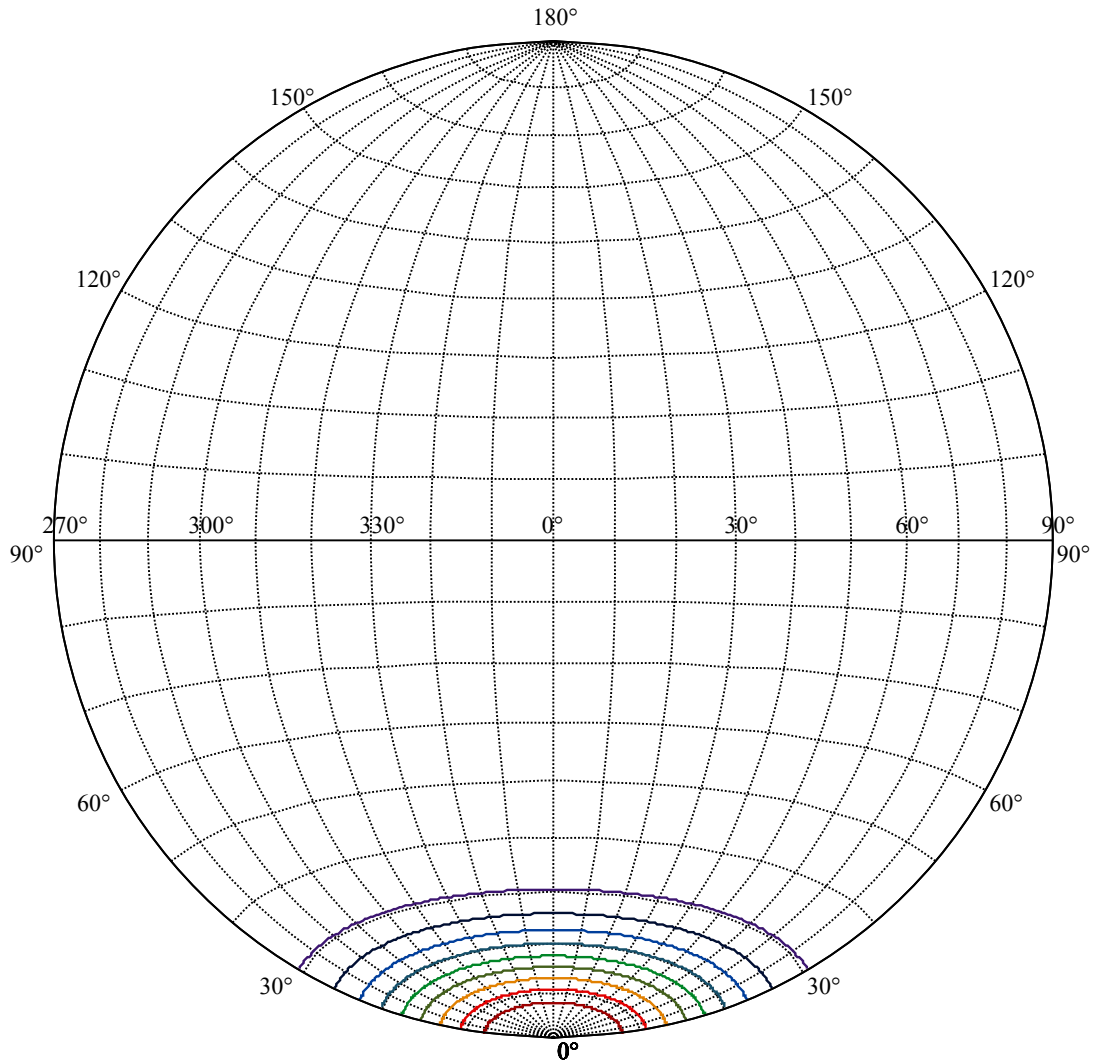
Field angle(10%Imax):C0/180Left:30.6 Right:30.6
:C90/270Left:30.6 Right:30.6

Beam Angle(50%Imax):C0/180Left:17.7 Right:17.7
:C90/270Left:17.7 Right:17.7





(10%I _{max}) 655.034	—
(20%I _{max}) 1310.07	—
(30%I _{max}) 1965.1	—
(40%I _{max}) 2620.13	—
(50%I _{max}) 3275.17	—
(60%I _{max}) 3930.2	—
(70%I _{max}) 4585.24	—
(80%I _{max}) 5240.27	—
(90%I _{max}) 5895.3	—



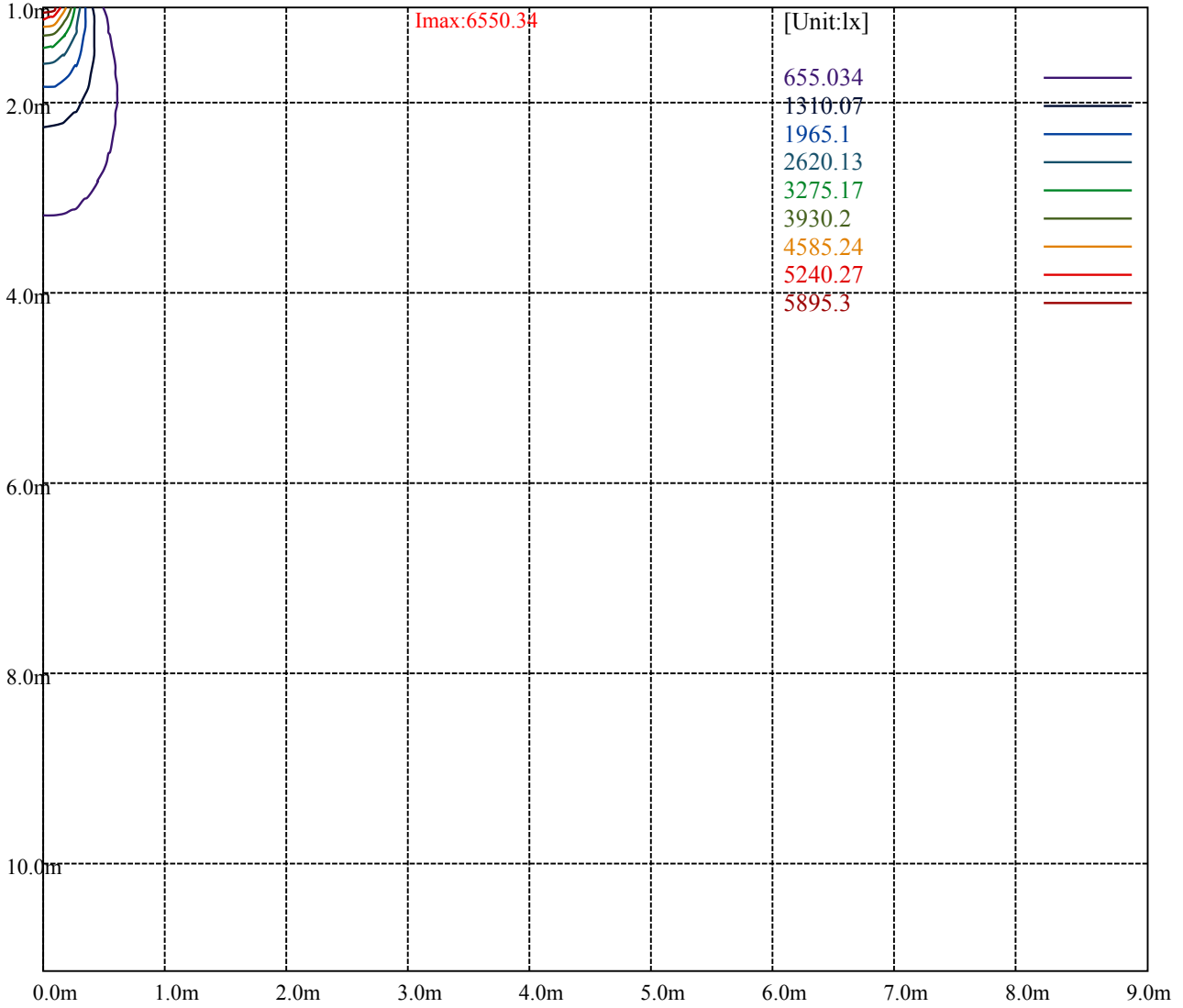
House

[Unit:cd]

Road

Imax:6550.34

(10%Imax) 655.034	—
(20%Imax) 1310.07	—
(30%Imax) 1965.1	—
(40%Imax) 2620.13	—
(50%Imax) 3275.17	—
(60%Imax) 3930.2	—
(70%Imax) 4585.24	—
(80%Imax) 5240.27	—
(90%Imax) 5895.3	—



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

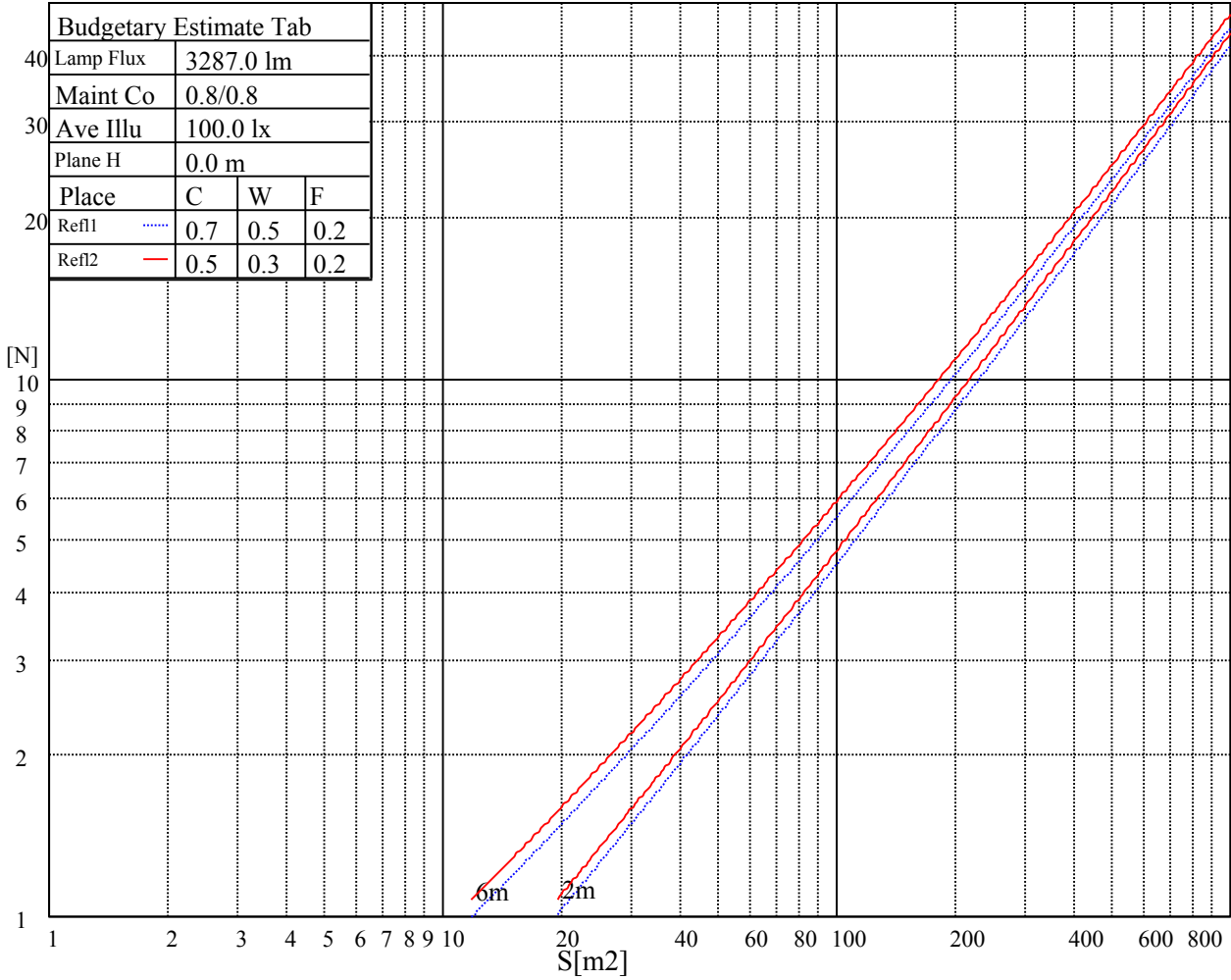
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

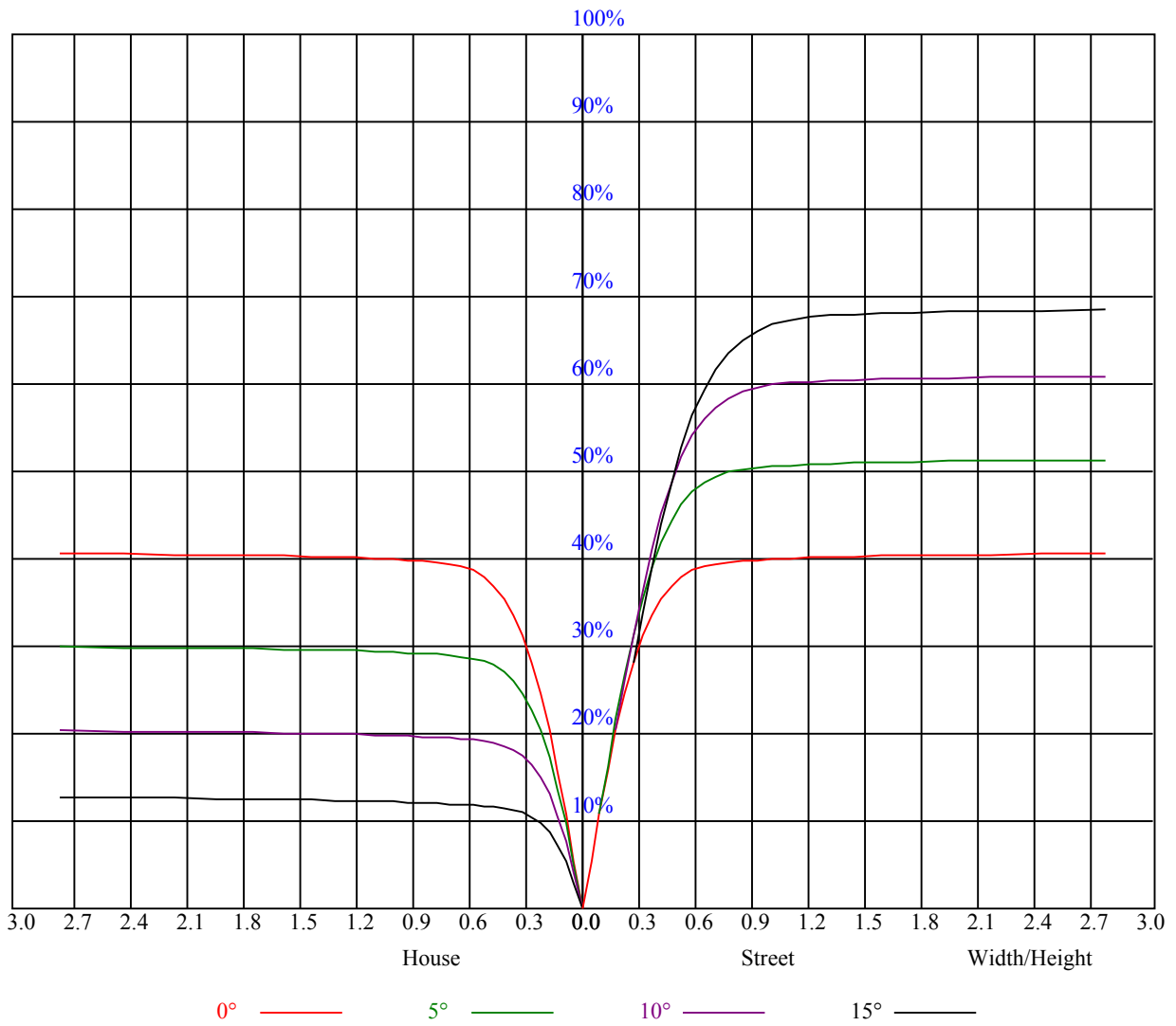


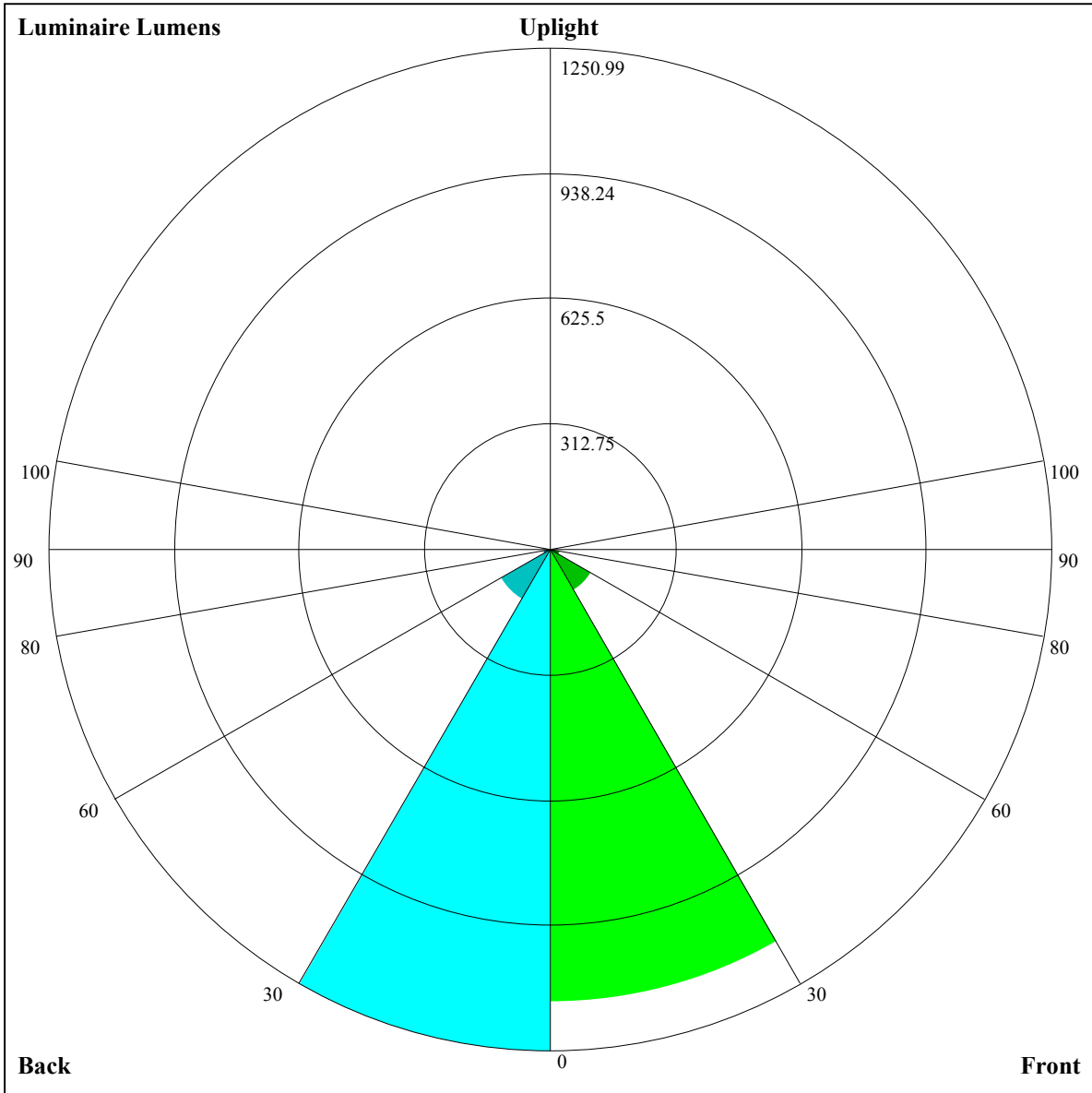
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
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	
	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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.58
8	0.65	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:

FL=1127.85,FM=116.04,FH=22.14,FVH=6.82

BL=1250.99,BM=143.75,BH=22.05,BVH=7.02

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	6558.68	6514.20	6472.65	6410.61	6293.57	6079.96	5859.33	5635.19	5416.32
45.0	6549.90	6551.65	6533.51	6501.91	6431.10	6342.73	6212.81	6018.51	5736.43
90.0	6541.12	6520.05	6487.86	6445.73	6392.47	6266.65	6098.10	5826.56	5586.62
135.0	6551.65	6528.24	6528.24	6515.37	6482.60	6421.15	6346.82	6234.46	6058.31
180.0	6558.68	6556.92	6553.41	6539.95	6533.51	6498.40	6446.31	6386.62	6285.38
225.0	6549.90	6549.31	6537.61	6525.90	6480.84	6425.24	6345.07	6226.85	6065.92
270.0	6541.12	6548.14	6555.16	6567.45	6545.80	6482.01	6417.64	6314.05	6175.94
315.0	6551.65	6563.36	6566.28	6517.71	6481.43	6394.81	6263.14	6076.45	5801.39
360.0	6558.68	6514.20	6472.65	6410.61	6293.57	6079.96	5859.33	5635.19	5416.32
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5135.99	4875.57	4604.61	4248.79	3964.96	3695.75	3375.05	3116.38	2861.22
45.0	5498.83	5265.91	4953.40	4681.86	4406.22	4120.04	3761.88	3493.85	3173.15
90.0	5360.13	5070.45	4810.61	4531.46	4176.81	3891.80	3619.68	3362.18	3108.19
135.0	5785.59	5547.99	5313.32	5009.00	4744.48	4471.18	4112.43	3830.36	3558.23
180.0	6151.94	5967.01	5748.72	5508.78	5222.02	4990.27	4729.85	4384.56	4114.19
225.0	5861.67	5594.22	5373.01	5153.55	4906.00	4581.20	4317.85	4039.87	3698.68
270.0	5985.74	5721.22	5504.10	5234.31	5001.98	4742.72	4470.01	4187.34	3844.40
315.0	5576.08	5361.89	5135.99	4886.10	4551.94	4276.30	3992.46	3653.03	3397.87
360.0	5135.99	4875.57	4604.61	4248.79	3964.96	3695.75	3375.05	3116.38	2861.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2551.64	2319.31	2103.36	1901.45	1663.85	1350.17	1152.78	1152.78	965.21
45.0	2917.99	2667.51	2372.56	2149.59	1944.76	1753.98	1526.91	1356.02	1192.75
90.0	2790.41	2541.69	2307.02	2037.23	1834.74	1647.47	1142.36	1142.36	1103.09
135.0	3239.28	2984.71	2731.89	2489.02	2204.60	1992.75	1792.02	1600.65	1375.34
180.0	3844.99	3509.65	3251.57	2923.26	2668.10	2426.40	2202.85	1943.01	1749.30
225.0	3444.11	3190.12	2872.93	2623.04	2329.25	2110.38	1907.89	1720.62	1361.29
270.0	3590.41	3337.60	3080.10	2737.16	2495.46	2205.19	1993.92	1797.28	1565.54
315.0	3078.93	2817.92	2565.68	2327.50	2056.54	1854.05	1667.95	1356.02	1156.64
360.0	2551.64	2319.31	2103.36	1901.45	1663.85	1350.17	1152.78	1152.78	965.21
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	824.06	702.27	573.17	480.29	395.50	304.43	243.75	183.12	145.31
45.0	1037.08	856.24	729.25	622.15	503.94	417.91	325.44	308.47	308.47
90.0	919.39	784.08	665.46	539.87	449.75	368.11	298.23	226.54	180.42
135.0	1207.96	1013.67	870.87	742.71	632.10	510.37	422.59	328.37	295.60
180.0	1566.12	1389.38	1225.52	1032.40	886.09	750.32	608.69	510.96	402.11
225.0	1158.34	1158.34	1004.36	822.71	695.07	584.87	485.39	377.00	304.14
270.0	1391.72	1225.52	1030.05	884.92	751.49	634.44	509.79	420.25	342.42
315.0	1116.90	966.97	824.93	670.38	565.50	469.88	365.41	295.77	224.43
360.0	824.06	702.27	573.17	480.29	395.50	304.43	243.75	183.12	145.31
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	116.23	93.87	73.97	63.61	56.77	51.85	47.34	44.59	42.25
45.0	162.87	123.07	99.25	81.87	69.76	59.87	54.66	50.62	47.46
90.0	143.85	115.58	93.52	74.50	64.26	55.89	51.27	47.87	44.48
135.0	295.60	164.74	130.97	99.96	81.93	68.94	59.99	52.79	48.52
180.0	326.03	309.64	235.20	155.49	124.54	100.48	78.77	67.01	58.70
225.0	242.87	183.35	146.31	111.72	90.71	75.49	64.78	57.35	51.09
270.0	307.89	307.89	165.62	133.20	107.92	84.16	71.05	59.99	54.31
315.0	179.31	143.85	115.99	89.66	74.73	64.20	57.06	51.03	47.46
360.0	116.23	93.87	73.97	63.61	56.77	51.85	47.34	44.59	42.25

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	40.26	38.22	36.75	35.11	34.00	32.95	31.60	30.55	29.61
45.0	44.42	42.19	40.44	38.39	36.99	35.41	34.24	33.12	31.72
90.0	42.19	40.32	38.33	36.93	35.52	34.35	33.01	31.95	30.90
135.0	45.47	42.25	40.09	37.92	36.46	35.05	33.83	32.60	31.49
180.0	52.90	47.87	44.83	42.37	39.85	38.10	36.69	35.29	33.77
225.0	47.40	44.54	42.25	39.91	38.27	36.58	35.29	34.18	32.89
270.0	50.04	46.06	43.54	41.43	39.56	37.69	36.23	34.88	33.71
315.0	44.65	41.84	39.91	38.39	36.58	35.23	34.06	32.60	31.49
360.0	40.26	38.22	36.75	35.11	34.00	32.95	31.60	30.55	29.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.68	27.33	26.45	25.57	24.81	23.76	23.06	22.41	21.65
45.0	30.67	29.67	28.62	27.33	26.45	25.63	24.76	23.76	23.17
90.0	29.90	28.62	27.56	26.57	25.52	24.64	23.53	22.82	22.36
135.0	30.43	29.32	28.38	27.39	26.39	25.28	24.40	23.58	22.47
180.0	32.42	31.31	30.26	29.20	28.38	27.10	26.10	25.16	24.35
225.0	31.78	30.67	29.50	28.56	27.56	26.51	25.34	24.58	23.70
270.0	32.25	31.08	30.02	28.79	27.68	26.57	25.34	24.52	23.41
315.0	30.37	29.20	28.09	27.04	25.93	24.87	24.05	23.17	22.30
360.0	28.68	27.33	26.45	25.57	24.81	23.76	23.06	22.41	21.65
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.07	20.42	20.13	19.72	20.25	21.42	22.77	22.94	23.47
45.0	22.65	22.12	22.00	22.24	22.41	22.77	23.35	24.17	25.28
90.0	22.36	22.59	22.82	23.23	24.23	25.75	27.33	27.86	27.86
135.0	21.83	21.19	20.31	19.72	19.20	18.61	18.14	17.62	17.21
180.0	23.29	22.47	21.77	21.01	20.42	20.07	20.37	21.07	22.00
225.0	22.88	22.00	21.36	20.78	20.07	19.78	20.07	20.72	21.54
270.0	22.59	21.83	21.19	20.54	19.96	20.01	20.42	20.83	21.59
315.0	21.42	20.83	20.13	19.37	18.90	18.32	17.85	17.38	17.03
360.0	21.07	20.42	20.13	19.72	20.25	21.42	22.77	22.94	23.47
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.82	23.99	23.88	23.41	21.42	19.49	16.33	14.22	13.52
45.0	26.39	27.15	26.98	26.69	26.04	24.52	21.89	19.31	15.98
90.0	28.09	27.04	26.45	25.87	24.52	23.64	20.78	17.26	14.28
135.0	16.80	16.44	16.09	15.68	15.33	15.04	14.69	14.40	14.16
180.0	23.00	23.99	24.35	23.70	23.29	23.29	21.71	20.13	18.84
225.0	22.53	23.23	23.17	23.06	22.30	21.13	20.25	18.55	16.85
270.0	22.65	22.94	22.59	22.18	21.19	20.66	20.07	18.96	17.85
315.0	16.50	16.15	15.80	15.45	15.10	14.81	14.46	14.10	13.81
360.0	23.82	23.99	23.88	23.41	21.42	19.49	16.33	14.22	13.52
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.40	13.28	13.11	13.17	11.88	11.53	11.29	11.29	11.29
45.0	13.87	13.28	13.05	13.23	12.41	11.70	11.35	11.18	11.18
90.0	13.34	12.93	12.76	12.23	11.76	11.41	11.41	11.18	11.24
135.0	13.81	13.58	13.34	13.17	12.29	11.76	11.59	11.41	11.35
180.0	17.73	15.22	13.64	13.28	12.87	12.70	12.23	11.82	11.59
225.0	14.86	13.87	13.34	12.82	12.52	12.17	11.76	11.53	11.35
270.0	16.74	14.46	13.05	12.76	12.47	12.23	11.82	11.59	11.35
315.0	13.52	13.23	13.05	12.82	12.70	12.06	11.65	11.47	11.29
360.0	13.40	13.28	13.11	13.17	11.88	11.53	11.29	11.29	11.29

Intensity data(cd)

C/γ(°)	90.0
0.0	11.29
45.0	11.18
90.0	11.18
135.0	11.24
180.0	11.47
225.0	11.29
270.0	11.29
315.0	11.29
360.0	11.29