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NT

Client:

LumCAT: 3-2834-L

Luminaire: 92.70.411.00

Report No: 2024327-B015

Ballast type: AC

Test No: 2024327-C015

Voltage(V): 34.120

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2888.0

Power (W): 19.653

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2428.93, Efficiency(%): 84.10% , Luminous Efficacy(lm/W): 123.59

Central intensity(cd): 5654.503, Maximum intensity(cd): 5654.503

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.0

[C90/270]Total=35.0

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

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(%): 84.10%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.015%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
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	5654.502	0.000	0	0.00%	0.00%
1.0	5644.919	5.407	5.407	0.19%	0.22%
2.0	5615.951	16.163	21.569	0.56%	0.89%
3.0	5575.570	26.766	48.336	0.93%	1.99%
4.0	5521.583	37.146	85.481	1.29%	3.52%
5.0	5452.380	47.209	132.691	1.63%	5.46%
6.0	5360.793	56.826	189.517	1.97%	7.80%
7.0	5246.381	65.839	255.355	2.28%	10.51%
8.0	5100.441	74.050	329.406	2.56%	13.56%
9.0	4919.899	81.209	410.615	2.81%	16.91%
10.0	4725.677	87.289	497.904	3.02%	20.50%
11.0	4499.561	92.179	590.083	3.19%	24.29%
12.0	4251.718	95.664	685.747	3.31%	28.23%
13.0	3992.098	97.833	783.58	3.39%	32.26%
14.0	3742.133	98.997	882.578	3.43%	36.34%
15.0	3473.881	99.065	981.643	3.43%	40.41%
16.0	3214.919	98.010	1079.652	3.39%	44.45%
17.0	2961.151	96.178	1175.83	3.33%	48.41%
18.0	2715.356	93.593	1269.423	3.24%	52.26%
19.0	2477.023	90.337	1359.76	3.13%	55.98%
20.0	2256.174	86.631	1446.391	3.00%	59.55%
21.0	2046.005	82.611	1529.001	2.86%	62.95%
22.0	1856.100	78.414	1607.416	2.72%	66.18%
23.0	1694.797	74.507	1681.923	2.58%	69.25%
24.0	1511.175	70.094	1752.017	2.43%	72.13%
25.0	1360.729	65.301	1817.318	2.26%	74.82%
26.0	1239.850	61.387	1878.705	2.13%	77.35%
27.0	1152.652	58.533	1937.238	2.03%	79.76%
28.0	1049.725	55.760	1992.998	1.93%	82.05%
29.0	953.946	52.422	2045.419	1.82%	84.21%
30.0	841.254	48.470	2093.89	1.68%	86.21%
31.0	726.667	43.633	2137.522	1.51%	88.00%
32.0	608.510	38.251	2175.774	1.32%	89.58%
33.0	499.577	32.645	2208.418	1.13%	90.92%
34.0	387.624	26.849	2235.268	0.93%	92.03%
35.0	296.117	21.234	2256.502	0.74%	92.90%
36.0	235.312	16.921	2273.423	0.59%	93.60%
37.0	162.919	12.988	2286.411	0.45%	94.13%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	107.638	9.031	2295.442	0.31%	94.50%
39.0	85.348	6.587	2302.029	0.23%	94.78%
40.0	78.003	5.697	2307.726	0.20%	95.01%
41.0	71.675	5.330	2313.056	0.18%	95.23%
42.0	66.467	5.019	2318.075	0.17%	95.44%
43.0	61.917	4.756	2322.831	0.16%	95.63%
44.0	57.828	4.519	2327.35	0.16%	95.82%
45.0	54.185	4.305	2331.655	0.15%	96.00%
46.0	51.105	4.118	2335.773	0.14%	96.16%
47.0	48.230	3.951	2339.723	0.14%	96.33%
48.0	45.743	3.799	2343.522	0.13%	96.48%
49.0	43.431	3.662	2347.184	0.13%	96.63%
50.0	41.456	3.539	2350.723	0.12%	96.78%
51.0	39.693	3.433	2354.157	0.12%	96.92%
52.0	37.974	3.333	2357.489	0.12%	97.06%
53.0	36.335	3.232	2360.722	0.11%	97.19%
54.0	34.828	3.137	2363.858	0.11%	97.32%
55.0	33.497	3.050	2366.908	0.11%	97.45%
56.0	32.026	2.961	2369.869	0.10%	97.57%
57.0	30.607	2.864	2372.733	0.10%	97.69%
58.0	29.166	2.764	2375.497	0.10%	97.80%
59.0	27.798	2.663	2378.16	0.09%	97.91%
60.0	26.423	2.562	2380.722	0.09%	98.02%
61.0	25.201	2.464	2383.185	0.09%	98.12%
62.0	23.943	2.368	2385.553	0.08%	98.21%
63.0	22.831	2.275	2387.828	0.08%	98.31%
64.0	21.814	2.191	2390.019	0.08%	98.40%
65.0	20.878	2.113	2392.132	0.07%	98.49%
66.0	19.956	2.037	2394.169	0.07%	98.57%
67.0	19.108	1.964	2396.133	0.07%	98.65%
68.0	18.339	1.897	2398.03	0.07%	98.73%
69.0	17.623	1.835	2399.865	0.06%	98.80%
70.0	16.964	1.776	2401.641	0.06%	98.88%
71.0	16.328	1.721	2403.362	0.06%	98.95%
72.0	15.691	1.665	2405.027	0.06%	99.02%
73.0	15.135	1.612	2406.639	0.06%	99.08%
74.0	14.609	1.564	2408.203	0.05%	99.15%
75.0	14.148	1.519	2409.722	0.05%	99.21%

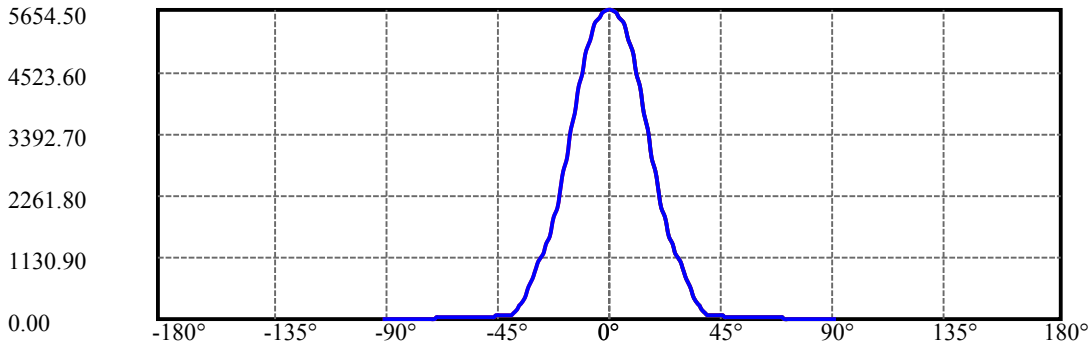
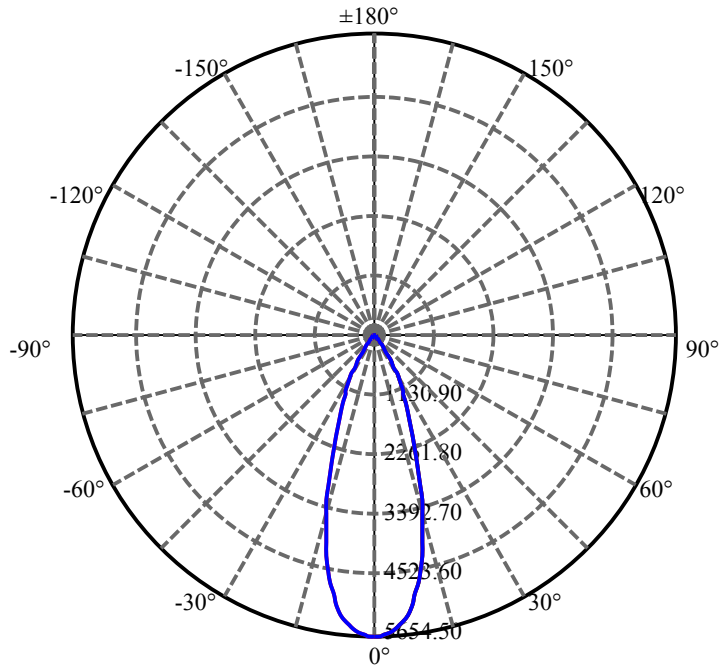
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.731	1.480	2411.202	0.05%	99.27%
77.0	13.358	1.444	2412.646	0.05%	99.33%
78.0	13.014	1.412	2414.058	0.05%	99.39%
79.0	12.714	1.382	2415.44	0.05%	99.44%
80.0	12.392	1.354	2416.794	0.05%	99.50%
81.0	12.092	1.324	2418.118	0.05%	99.55%
82.0	11.792	1.295	2419.413	0.04%	99.61%
83.0	11.522	1.267	2420.68	0.04%	99.66%
84.0	11.244	1.240	2421.921	0.04%	99.71%
85.0	11.031	1.216	2423.136	0.04%	99.76%
86.0	10.819	1.194	2424.331	0.04%	99.81%
87.0	10.615	1.173	2425.504	0.04%	99.86%
88.0	10.454	1.154	2426.658	0.04%	99.91%
89.0	10.344	1.140	2427.798	0.04%	99.95%
90.0	10.271	1.130	2428.928	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2093.89	72.50%	86.21%
0-40	2307.73	79.91%	95.01%
0-60	2380.72	82.43%	98.02%
0-90	2427.80	84.07%	99.95%
0-120	2427.80	84.07%	99.95%
0-180	2428.93	84.10%	100.00%
60-90	47.08	1.63%	1.94%
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%
0-27.11	1943.14	67.28%	80.00%

ZONAL LUMEN SUMMARY

0-10	497.90
10-20	948.49
20-30	647.50
30-40	213.84
40-50	43.00
50-60	30.00
60-70	20.92
70-80	15.15
80-90	11.00
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



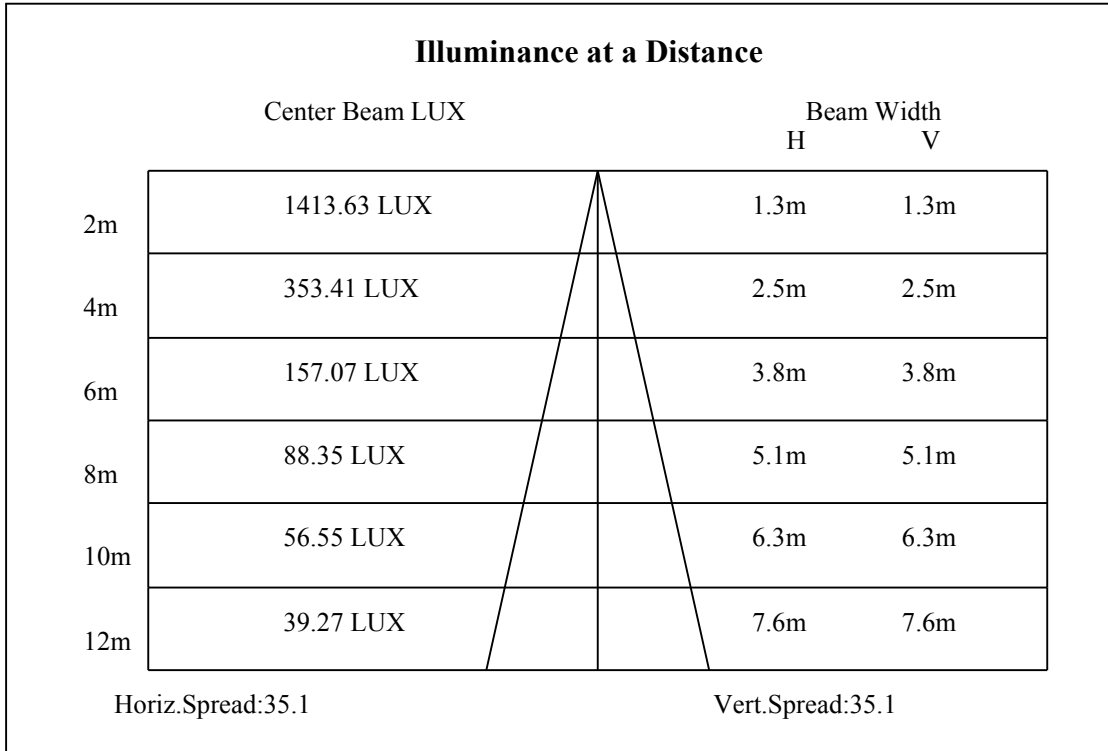
C0(Max): —————

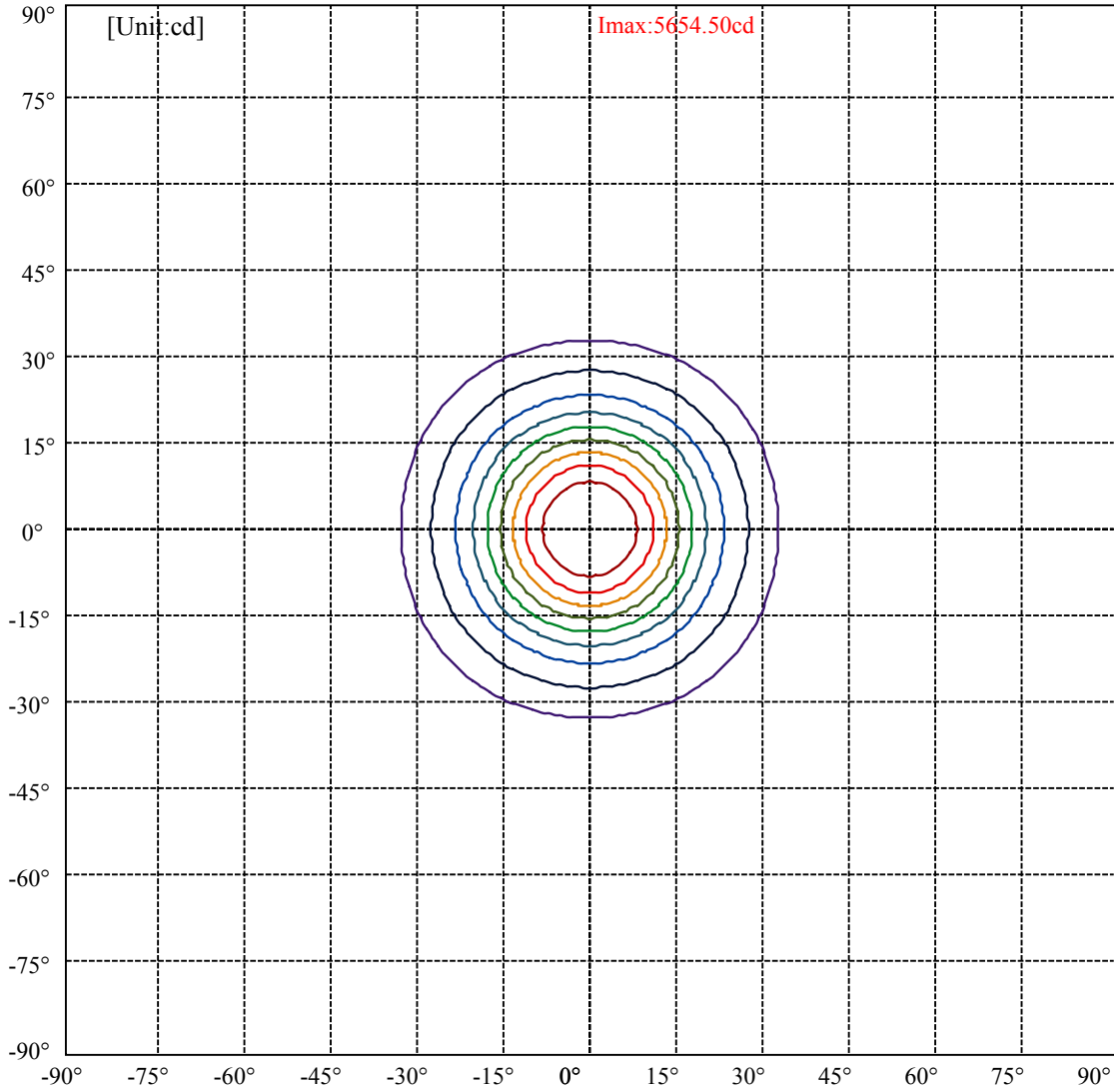
C0/C180: —————

C90/C270: —————

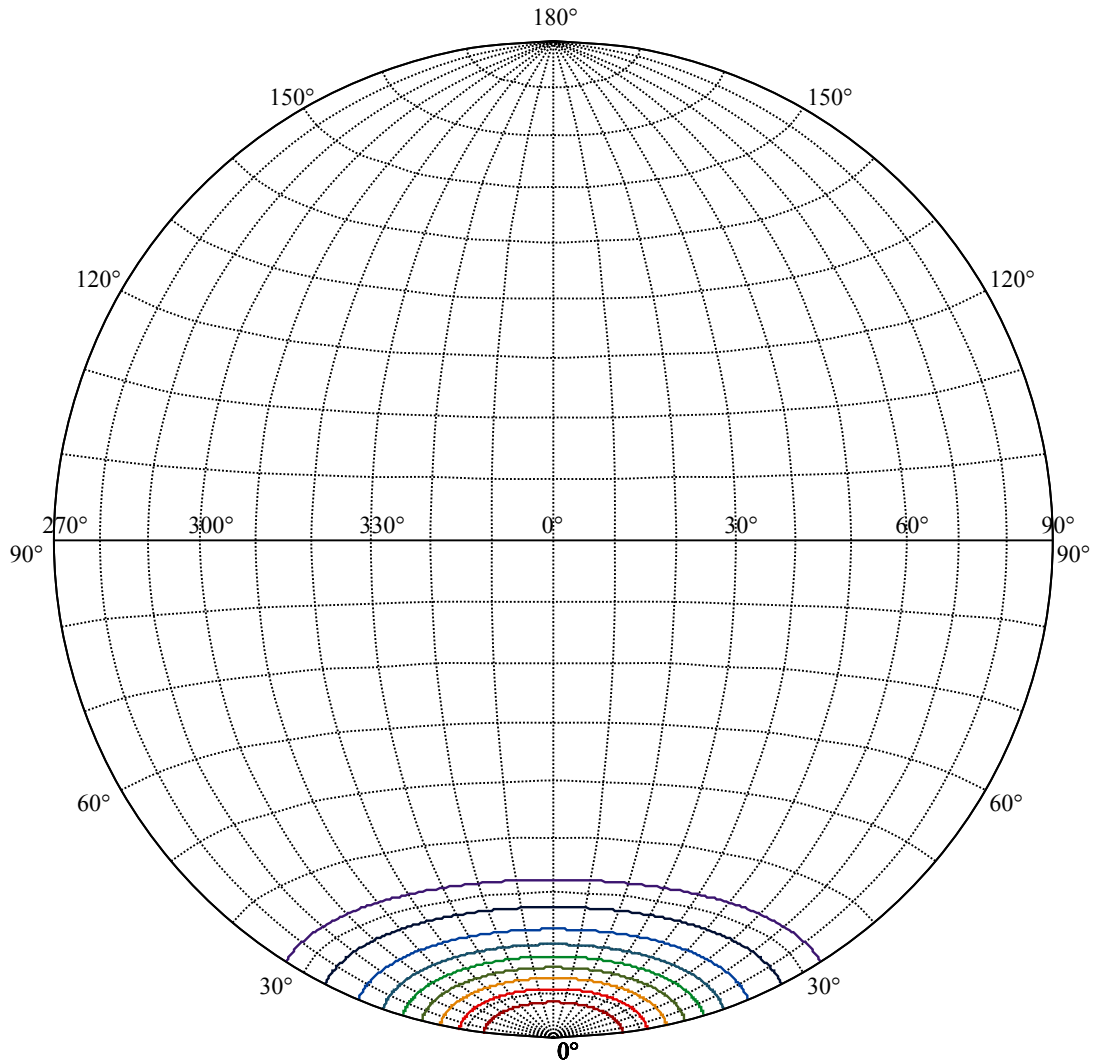
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5
:C90/270Left:17.5 Right:17.5





(10%Imax) 565.45	—
(20%Imax) 1130.9	—
(30%Imax) 1696.35	—
(40%Imax) 2261.8	—
(50%Imax) 2827.25	—
(60%Imax) 3392.7	—
(70%Imax) 3958.15	—
(80%Imax) 4523.6	—
(90%Imax) 5089.05	—



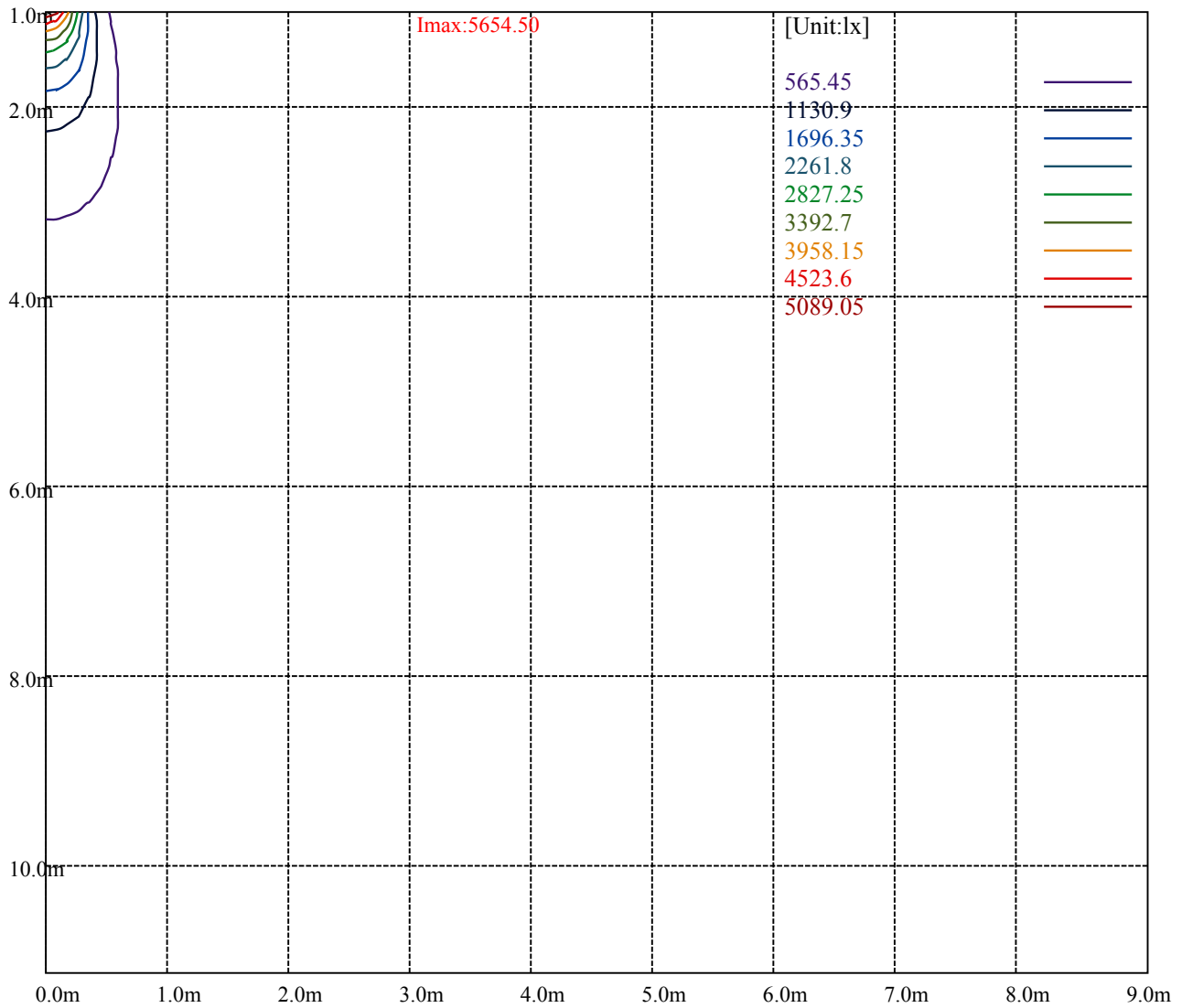
House

[Unit:cd]

Road

Imax:5654.50

(10%Imax)	565.45	—
(20%Imax)	1130.9	—
(30%Imax)	1696.35	—
(40%Imax)	2261.8	—
(50%Imax)	2827.25	—
(60%Imax)	3392.7	—
(70%Imax)	3958.15	—
(80%Imax)	4523.6	—
(90%Imax)	5089.05	—



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

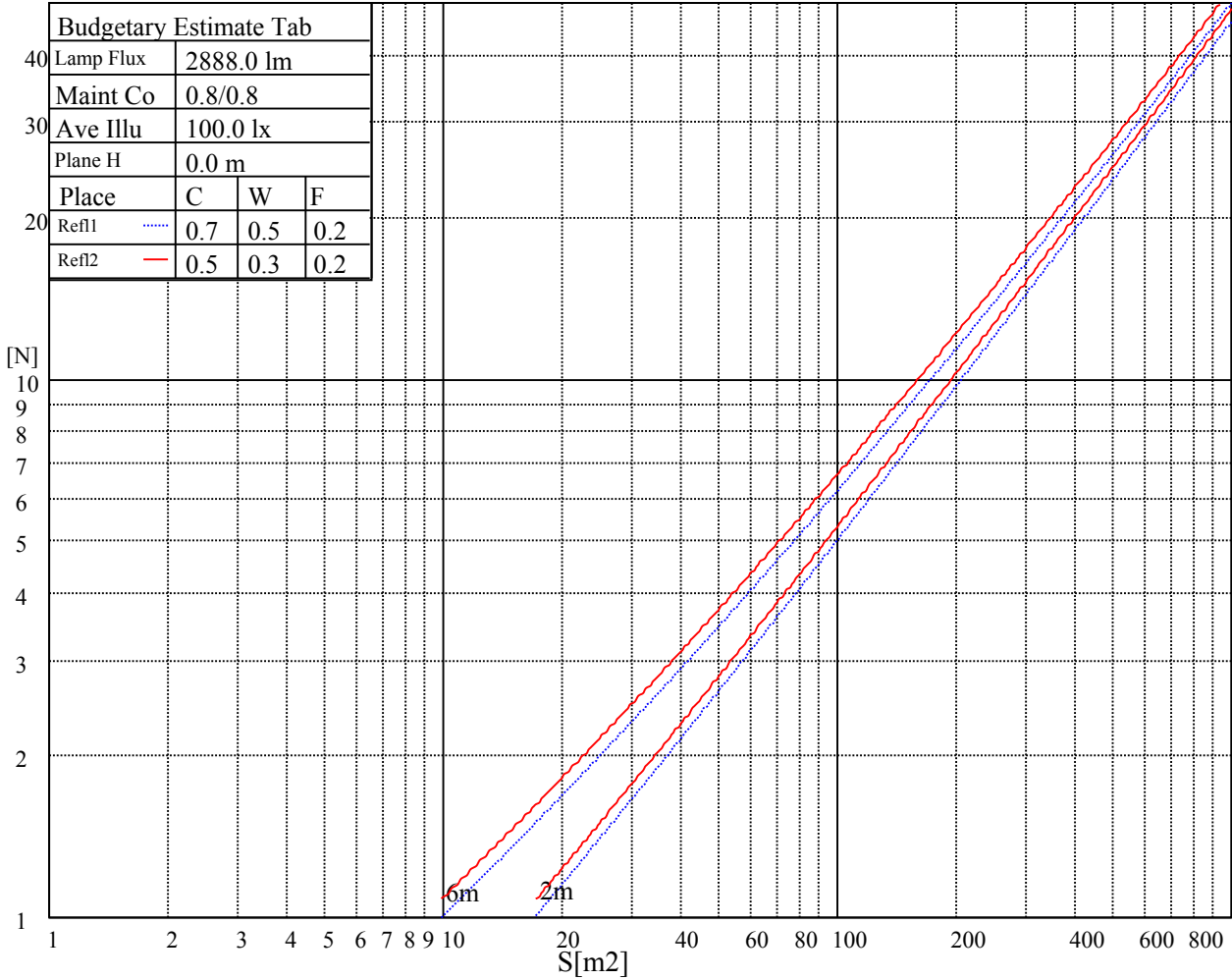
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

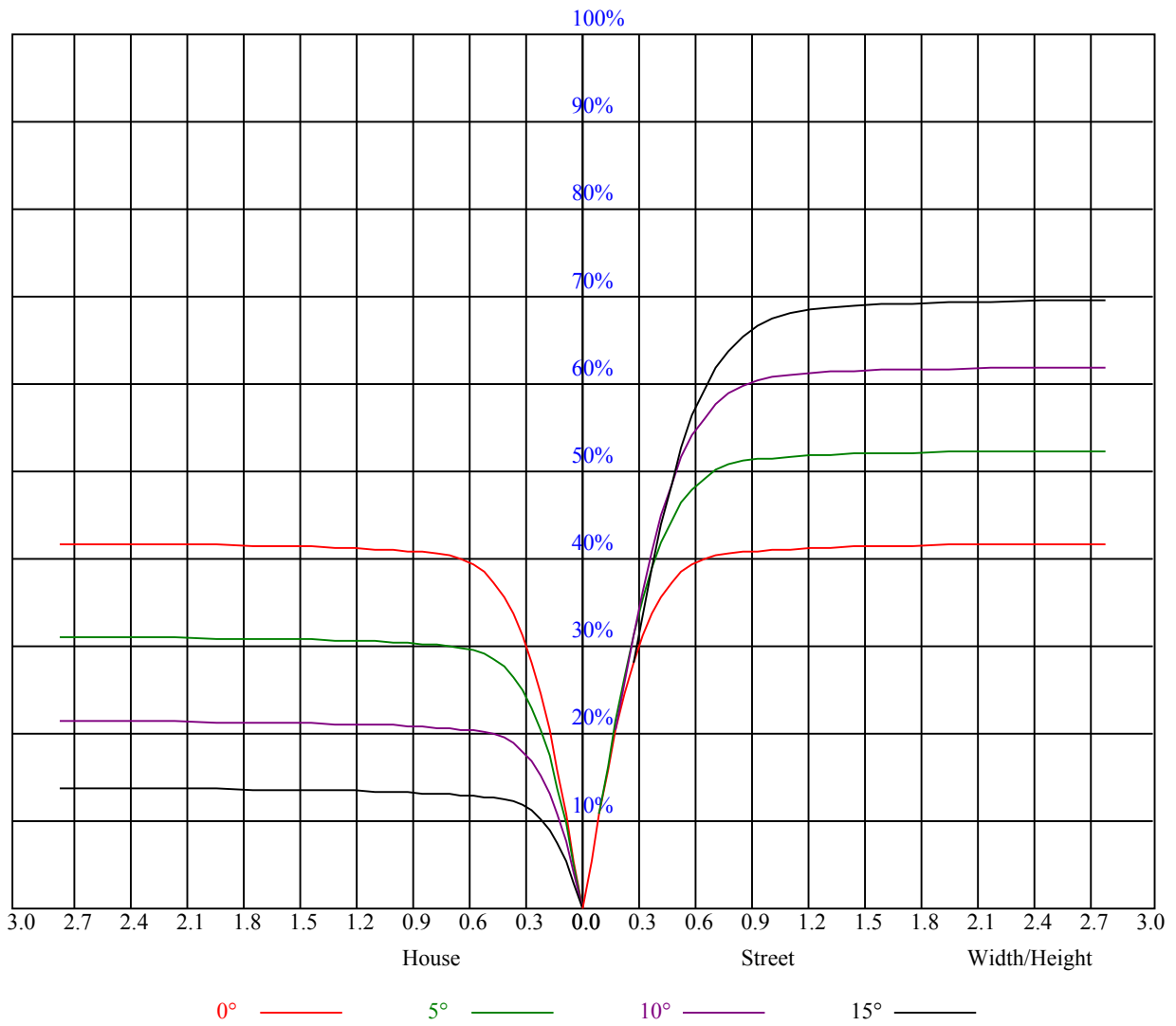


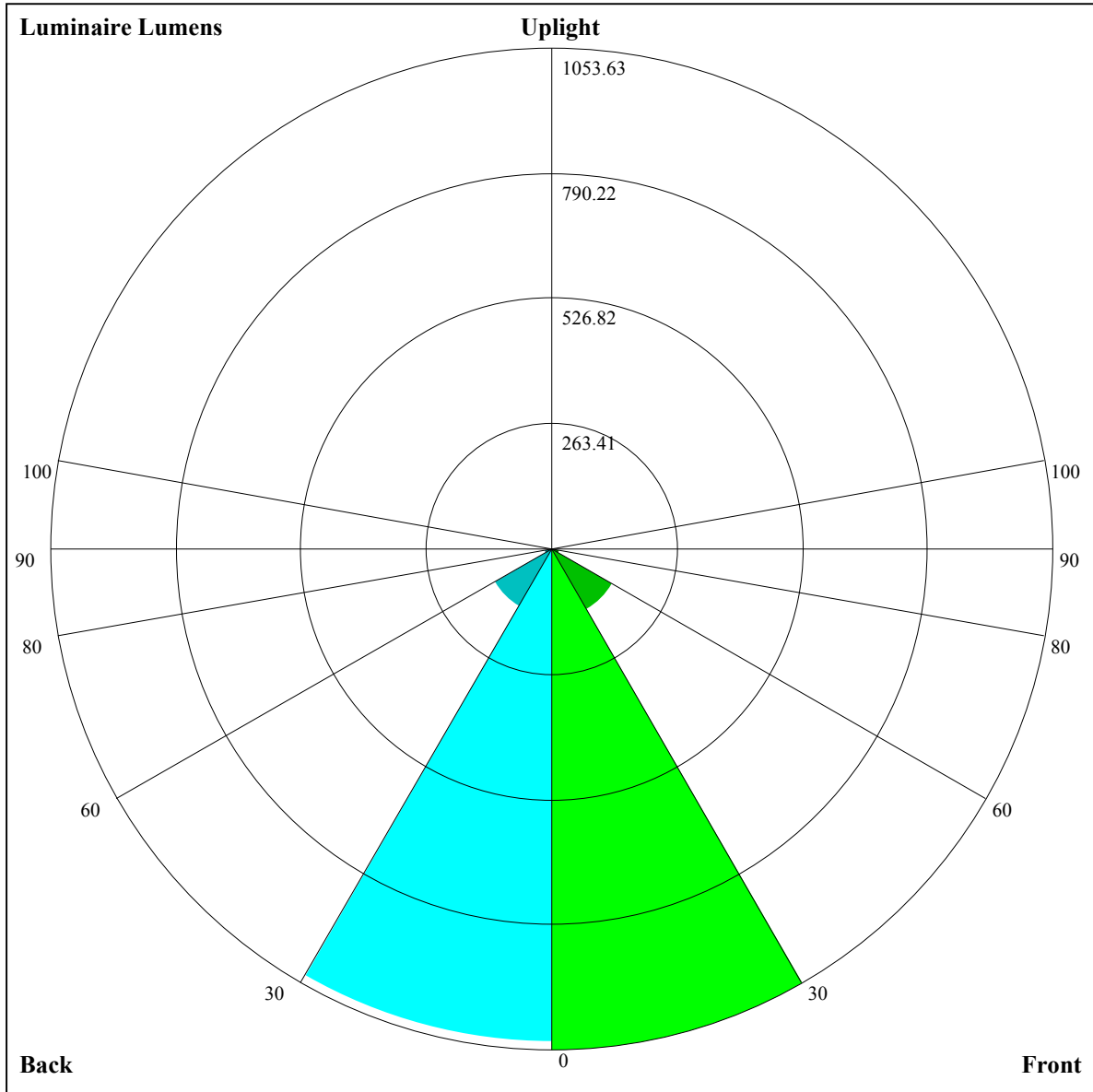
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.79
2	0.88	0.85	0.82	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.64
6	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.67	0.65	0.63	0.62
7	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.57	0.56
9	0.63	0.58	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:

FL=1053.63,FM=148.38,FH=18.18,FVH=6.1

BL=1037.97,BM=140.08,BH=17.94,BVH=6.05

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	5664.45	5648.06	5621.14	5588.37	5535.12	5448.50	5365.99	5264.16	5098.54
45.0	5642.80	5663.28	5662.11	5645.72	5607.10	5563.21	5485.37	5402.27	5273.52
90.0	5665.62	5660.94	5634.02	5589.54	5542.14	5469.57	5377.69	5258.89	5117.27
135.0	5645.14	5656.26	5641.63	5607.10	5562.62	5515.80	5444.41	5326.78	5210.90
180.0	5664.45	5652.75	5626.41	5584.86	5520.49	5455.53	5359.55	5251.87	5119.61
225.0	5642.80	5607.10	5553.84	5500.00	5436.21	5354.28	5217.92	5086.25	4913.61
270.0	5665.62	5645.14	5612.37	5561.45	5503.51	5439.14	5360.13	5262.40	5104.39
315.0	5645.14	5625.83	5576.08	5527.51	5465.47	5373.01	5275.28	5118.44	4965.69
360.0	5664.45	5648.06	5621.14	5588.37	5535.12	5448.50	5365.99	5264.16	5098.54
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4937.60	4747.99	4485.81	4257.57	3963.20	3716.24	3468.10	3227.57	2930.87
45.0	5141.85	4987.93	4805.34	4552.52	4334.82	4101.32	3860.79	3547.69	3300.14
90.0	4904.24	4714.05	4497.51	4267.52	4028.75	3727.36	3481.56	3229.92	2932.04
135.0	5068.69	4855.09	4656.11	4440.75	4156.33	3916.97	3670.59	3356.32	3111.70
180.0	4918.87	4730.43	4511.56	4282.15	3980.76	3739.06	3489.76	3249.23	3005.77
225.0	4661.38	4443.67	4209.00	3905.85	3658.89	3417.19	3114.04	2874.10	2645.28
270.0	4948.14	4757.35	4543.75	4255.81	4012.95	3761.30	3449.96	3208.85	2969.49
315.0	4778.42	4568.91	4287.42	4051.57	3801.09	3557.64	3256.25	3025.67	2793.92
360.0	4937.60	4747.99	4485.81	4257.57	3963.20	3716.24	3468.10	3227.57	2930.87
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2708.48	2487.85	2285.95	2040.74	1865.17	1704.23	1525.74	1302.77	1160.50
45.0	3060.79	2827.28	2550.47	2343.30	2094.58	1916.67	1756.90	1571.39	1434.44
90.0	2703.21	2435.76	2239.13	2047.18	1831.23	1674.39	1536.27	1405.18	1144.88
135.0	2879.37	2651.13	2388.36	2191.14	2003.87	1835.32	1646.30	1506.43	1374.17
180.0	2707.89	2486.09	2283.61	2034.89	1861.07	1665.02	1528.67	1395.82	1271.17
225.0	2426.40	2168.32	1985.73	1816.01	1628.74	1492.97	1161.09	1161.09	1111.63
270.0	2669.27	2452.74	2198.75	2003.28	1827.72	1677.31	1506.43	1376.51	1255.37
315.0	2567.44	2307.02	2117.40	1891.51	1736.42	1592.46	1428.01	1166.65	1166.65
360.0	2708.48	2487.85	2285.95	2040.74	1865.17	1704.23	1525.74	1302.77	1160.50
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1160.50	1046.03	958.07	825.81	721.70	613.20	506.22	372.55	276.87
45.0	1306.28	1171.68	1080.97	1000.79	904.23	769.04	661.36	557.19	448.34
90.0	1144.88	1049.84	973.93	842.31	733.11	630.05	496.91	392.28	293.08
135.0	1223.18	1119.59	1008.99	916.52	807.08	672.48	568.90	465.31	362.90
180.0	1138.32	1048.20	962.75	829.91	720.47	611.03	503.94	373.43	300.86
225.0	1026.48	915.53	810.71	697.41	557.31	448.69	347.57	255.68	158.13
270.0	1148.86	1055.22	951.63	842.20	731.00	594.65	486.97	356.46	310.23
315.0	1072.72	991.72	884.51	775.07	638.42	528.93	424.76	328.08	218.52
360.0	1160.50	1046.03	958.07	825.81	721.70	613.20	506.22	372.55	276.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	194.35	129.86	97.44	88.19	81.05	73.50	68.35	63.85	58.99
45.0	318.42	318.42	207.46	100.19	90.30	82.52	74.91	69.35	64.84
90.0	188.74	125.36	96.27	85.03	78.30	72.68	67.59	62.27	58.46
135.0	316.08	316.08	112.07	92.64	84.51	76.55	70.93	66.07	60.86
180.0	300.86	113.01	88.72	81.00	73.09	67.77	63.15	58.41	55.07
225.0	106.16	85.91	78.71	71.51	66.48	62.09	57.59	54.25	51.32
270.0	310.23	108.27	89.48	81.46	75.14	68.53	63.97	60.04	56.53
315.0	147.65	106.45	90.94	82.75	75.14	69.76	65.25	61.10	56.53
360.0	194.35	129.86	97.44	88.19	81.05	73.50	68.35	63.85	58.99

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	55.48	52.32	48.81	46.41	44.18	41.61	39.91	38.22	36.87
45.0	59.69	56.18	52.96	50.04	46.70	44.36	42.31	40.50	38.57
90.0	55.01	51.97	48.52	46.12	43.54	41.61	40.03	38.10	36.69
135.0	57.18	53.14	50.21	47.75	44.95	42.96	41.14	39.62	37.57
180.0	52.09	49.33	46.47	44.42	42.49	40.73	38.98	37.34	35.64
225.0	48.16	45.88	43.83	41.67	39.97	38.51	36.99	35.35	33.94
270.0	52.61	49.74	47.40	44.77	42.90	41.02	39.09	37.51	35.82
315.0	53.26	50.27	47.64	44.77	42.72	40.85	39.09	37.16	35.58
360.0	55.48	52.32	48.81	46.41	44.18	41.61	39.91	38.22	36.87
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.05	33.71	32.42	31.02	29.38	27.97	26.45	25.16	24.11
45.0	37.10	35.76	33.94	32.71	30.96	29.67	28.32	26.98	25.40
90.0	35.35	33.88	32.25	30.90	29.55	28.15	26.63	25.40	24.23
135.0	36.23	34.88	33.47	31.78	30.43	29.14	27.45	26.28	24.58
180.0	34.24	32.89	31.60	30.02	28.79	27.21	26.04	24.93	23.82
225.0	32.66	31.37	29.79	28.56	27.27	25.81	24.64	23.35	22.36
270.0	34.29	33.01	31.66	30.37	28.79	27.51	26.39	25.22	23.82
315.0	33.71	32.48	31.08	29.50	28.15	26.92	25.46	24.29	23.23
360.0	35.05	33.71	32.42	31.02	29.38	27.97	26.45	25.16	24.11
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.82	21.77	21.01	20.07	19.08	18.43	17.67	17.09	16.39
45.0	24.29	23.23	22.24	21.13	20.31	19.43	18.61	17.85	17.21
90.0	22.94	21.89	21.01	20.01	19.14	18.32	17.62	17.03	16.44
135.0	23.58	22.59	21.59	20.60	19.78	19.08	18.32	17.50	16.91
180.0	22.47	21.54	20.72	19.84	18.84	18.20	17.50	16.80	16.21
225.0	21.42	20.37	19.43	18.73	18.08	17.21	16.68	16.09	15.45
270.0	22.88	21.83	20.78	19.90	18.90	18.26	17.50	16.80	16.21
315.0	22.24	21.30	20.25	19.37	18.73	17.79	17.09	16.56	15.80
360.0	22.82	21.77	21.01	20.07	19.08	18.43	17.67	17.09	16.39
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.74	15.27	14.81	14.22	13.87	13.40	13.05	12.76	12.41
45.0	16.50	15.86	15.22	14.75	14.28	13.87	13.40	13.11	12.87
90.0	15.80	15.16	14.69	14.28	13.75	13.40	13.11	12.82	12.47
135.0	16.33	15.68	15.04	14.57	14.05	13.69	13.34	12.99	12.70
180.0	15.45	14.98	14.51	14.05	13.64	13.28	12.99	12.76	12.29
225.0	14.86	14.34	13.93	13.46	13.17	12.82	12.52	12.17	11.94
270.0	15.57	15.10	14.46	13.99	13.64	13.34	12.93	12.64	12.29
315.0	15.27	14.69	14.22	13.87	13.46	13.05	12.76	12.47	12.17
360.0	15.74	15.27	14.81	14.22	13.87	13.40	13.05	12.76	12.41
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.11	11.82	11.59	11.29	11.12	10.89	10.65	10.42	10.53
45.0	12.58	12.23	11.94	11.59	11.35	11.18	10.89	10.65	10.48
90.0	12.23	11.94	11.65	11.35	11.12	10.89	10.71	10.53	10.48
135.0	12.35	12.00	11.70	11.41	11.18	10.94	10.71	10.53	10.36
180.0	12.06	11.70	11.41	11.12	10.94	10.77	10.53	10.42	10.18
225.0	11.65	11.41	11.18	10.94	10.71	10.53	10.42	10.24	10.24
270.0	11.94	11.70	11.41	11.18	10.94	10.71	10.53	10.42	10.24
315.0	11.82	11.53	11.29	11.06	10.89	10.65	10.48	10.42	10.24
360.0	12.11	11.82	11.59	11.29	11.12	10.89	10.65	10.42	10.53

Intensity data(cd)

C/γ(°)	90.0
0.0	10.18
45.0	10.42
90.0	10.24
135.0	10.18
180.0	10.24
225.0	10.24
270.0	10.30
315.0	10.36
360.0	10.18