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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.411.00

Report No: 2024418-B022

Ballast type: AC

Test No: 2024418-C022

Voltage(V): 33.680

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.399

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2249.32, Efficiency(%): 82.51% , Luminous Efficacy(lm/W): 115.95

Central intensity(cd): 5435.921, Maximum intensity(cd): 5435.921

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.2

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=61.0

[C90/270]Total=61.0

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(%): 82.51%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.595%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/18
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	5435.921	0.000	0	0.00%	0.00%
1.0	5427.801	5.198	5.198	0.19%	0.23%
2.0	5412.292	15.559	20.757	0.57%	0.92%
3.0	5385.884	25.826	46.583	0.95%	2.07%
4.0	5338.115	35.897	82.479	1.32%	3.67%
5.0	5266.718	45.621	128.101	1.67%	5.70%
6.0	5180.031	54.900	183.001	2.01%	8.14%
7.0	5056.915	63.541	246.542	2.33%	10.96%
8.0	4909.731	71.329	317.871	2.62%	14.13%
9.0	4738.333	78.192	396.063	2.87%	17.61%
10.0	4544.404	84.005	480.069	3.08%	21.34%
11.0	4334.454	88.718	568.787	3.25%	25.29%
12.0	4124.432	92.468	661.254	3.39%	29.40%
13.0	3856.033	94.708	755.962	3.47%	33.61%
14.0	3619.529	95.687	851.649	3.51%	37.86%
15.0	3375.783	96.035	947.684	3.52%	42.13%
16.0	3133.719	95.382	1043.066	3.50%	46.37%
17.0	2854.786	93.257	1136.323	3.42%	50.52%
18.0	2621.428	90.291	1226.614	3.31%	54.53%
19.0	2398.237	87.332	1313.946	3.20%	58.42%
20.0	2177.681	83.752	1397.698	3.07%	62.14%
21.0	1953.393	79.325	1477.023	2.91%	65.67%
22.0	1745.492	74.331	1551.354	2.73%	68.97%
23.0	1512.558	68.363	1619.716	2.51%	72.01%
24.0	1357.517	62.750	1682.467	2.30%	74.80%
25.0	1241.555	59.097	1741.564	2.17%	77.43%
26.0	1118.409	55.707	1797.271	2.04%	79.90%
27.0	980.662	51.354	1848.625	1.88%	82.19%
28.0	851.568	46.388	1895.013	1.70%	84.25%
29.0	729.439	41.364	1936.377	1.52%	86.09%
30.0	598.071	35.842	1972.219	1.31%	87.68%
31.0	492.452	30.348	2002.567	1.11%	89.03%
32.0	395.568	25.441	2028.008	0.93%	90.16%
33.0	311.120	20.819	2048.827	0.76%	91.09%
34.0	246.585	16.878	2065.705	0.62%	91.84%
35.0	195.194	13.720	2079.425	0.50%	92.45%
36.0	161.837	11.368	2090.793	0.42%	92.95%
37.0	120.754	9.217	2100.009	0.34%	93.36%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	106.935	7.600	2107.609	0.28%	93.70%
39.0	97.118	6.965	2114.574	0.26%	94.01%
40.0	87.959	6.455	2121.029	0.24%	94.30%
41.0	80.103	5.985	2127.014	0.22%	94.56%
42.0	73.007	5.563	2132.577	0.20%	94.81%
43.0	67.118	5.191	2137.767	0.19%	95.04%
44.0	61.822	4.867	2142.634	0.18%	95.26%
45.0	57.403	4.582	2147.216	0.17%	95.46%
46.0	53.255	4.328	2151.543	0.16%	95.65%
47.0	49.408	4.083	2155.626	0.15%	95.83%
48.0	46.474	3.876	2159.502	0.14%	96.01%
49.0	43.650	3.701	2163.204	0.14%	96.17%
50.0	41.024	3.530	2166.734	0.13%	96.33%
51.0	38.632	3.370	2170.104	0.12%	96.48%
52.0	36.672	3.231	2173.335	0.12%	96.62%
53.0	34.923	3.114	2176.45	0.11%	96.76%
54.0	33.029	2.995	2179.445	0.11%	96.89%
55.0	31.463	2.879	2182.324	0.11%	97.02%
56.0	29.934	2.774	2185.098	0.10%	97.14%
57.0	28.559	2.674	2187.772	0.10%	97.26%
58.0	27.191	2.578	2190.351	0.09%	97.38%
59.0	25.947	2.484	2192.835	0.09%	97.49%
60.0	24.770	2.396	2195.231	0.09%	97.60%
61.0	23.680	2.312	2197.543	0.08%	97.70%
62.0	22.714	2.236	2199.778	0.08%	97.80%
63.0	21.726	2.161	2201.94	0.08%	97.89%
64.0	20.929	2.093	2204.033	0.08%	97.99%
65.0	20.293	2.040	2206.073	0.07%	98.08%
66.0	19.868	2.004	2208.077	0.07%	98.17%
67.0	19.642	1.987	2210.063	0.07%	98.25%
68.0	19.590	1.987	2212.051	0.07%	98.34%
69.0	19.751	2.007	2214.058	0.07%	98.43%
70.0	20.029	2.043	2216.101	0.07%	98.52%
71.0	20.446	2.092	2218.193	0.08%	98.62%
72.0	20.827	2.146	2220.339	0.08%	98.71%
73.0	21.141	2.195	2222.534	0.08%	98.81%
74.0	21.310	2.232	2224.765	0.08%	98.91%
75.0	21.112	2.241	2227.007	0.08%	99.01%

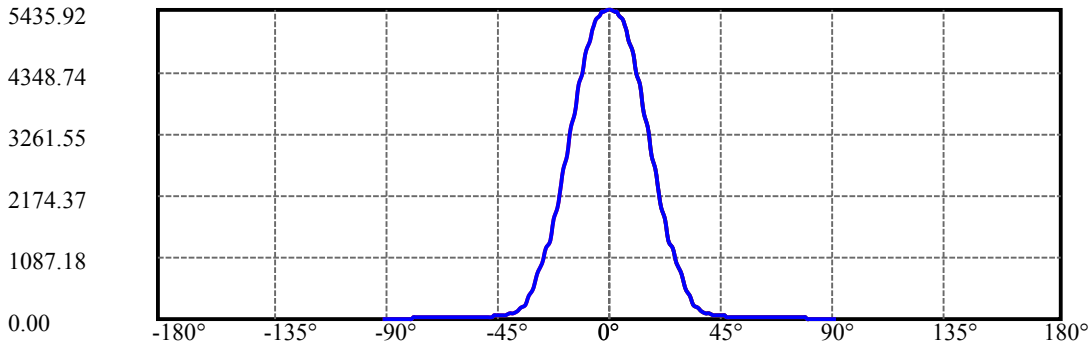
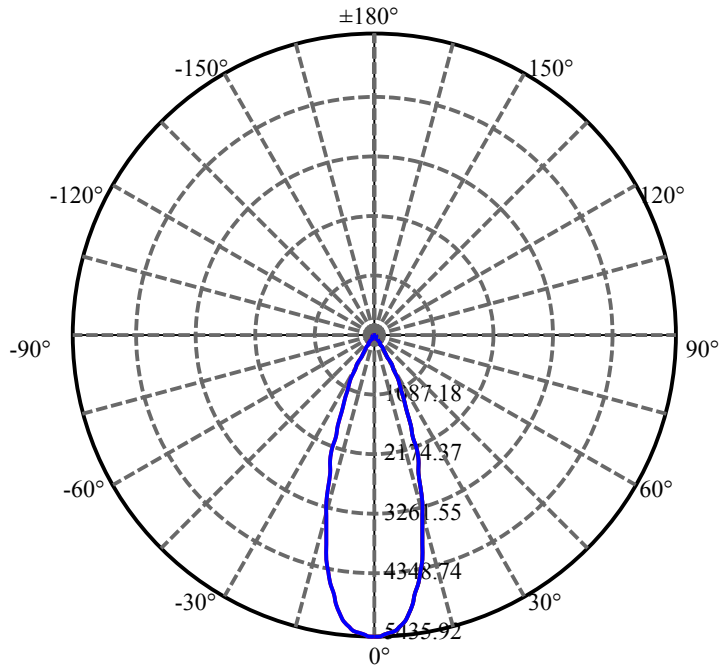
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.636	2.216	2229.223	0.08%	99.11%
77.0	19.751	2.153	2231.376	0.08%	99.20%
78.0	18.522	2.049	2233.425	0.08%	99.29%
79.0	16.774	1.896	2235.321	0.07%	99.38%
80.0	14.572	1.690	2237.011	0.06%	99.45%
81.0	12.912	1.486	2238.498	0.05%	99.52%
82.0	12.268	1.365	2239.863	0.05%	99.58%
83.0	11.990	1.319	2241.182	0.05%	99.64%
84.0	11.748	1.293	2242.475	0.05%	99.70%
85.0	11.405	1.264	2243.739	0.05%	99.75%
86.0	10.739	1.210	2244.949	0.04%	99.81%
87.0	10.110	1.141	2246.09	0.04%	99.86%
88.0	9.868	1.094	2247.184	0.04%	99.91%
89.0	9.685	1.072	2248.256	0.04%	99.95%
90.0	9.649	1.060	2249.316	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1972.22	72.35%	87.68%
0-40	2121.03	77.81%	94.30%
0-60	2195.23	80.53%	97.60%
0-90	2248.26	82.47%	99.95%
0-120	2248.26	82.47%	99.95%
0-180	2249.32	82.51%	100.00%
60-90	53.03	1.95%	2.36%
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%
0-26.04	1799.45	66.01%	80.00%

ZONAL LUMEN SUMMARY

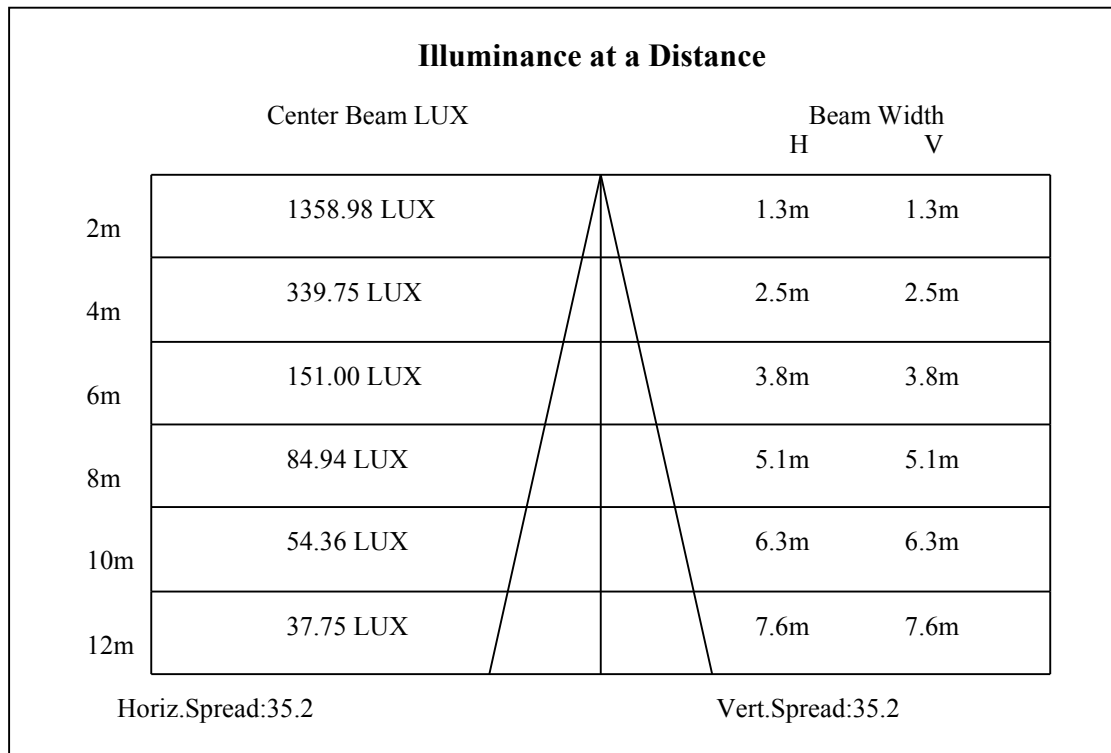
0-10	480.07
10-20	917.63
20-30	574.52
30-40	148.81
40-50	45.70
50-60	28.50
60-70	20.87
70-80	20.91
80-90	11.24
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

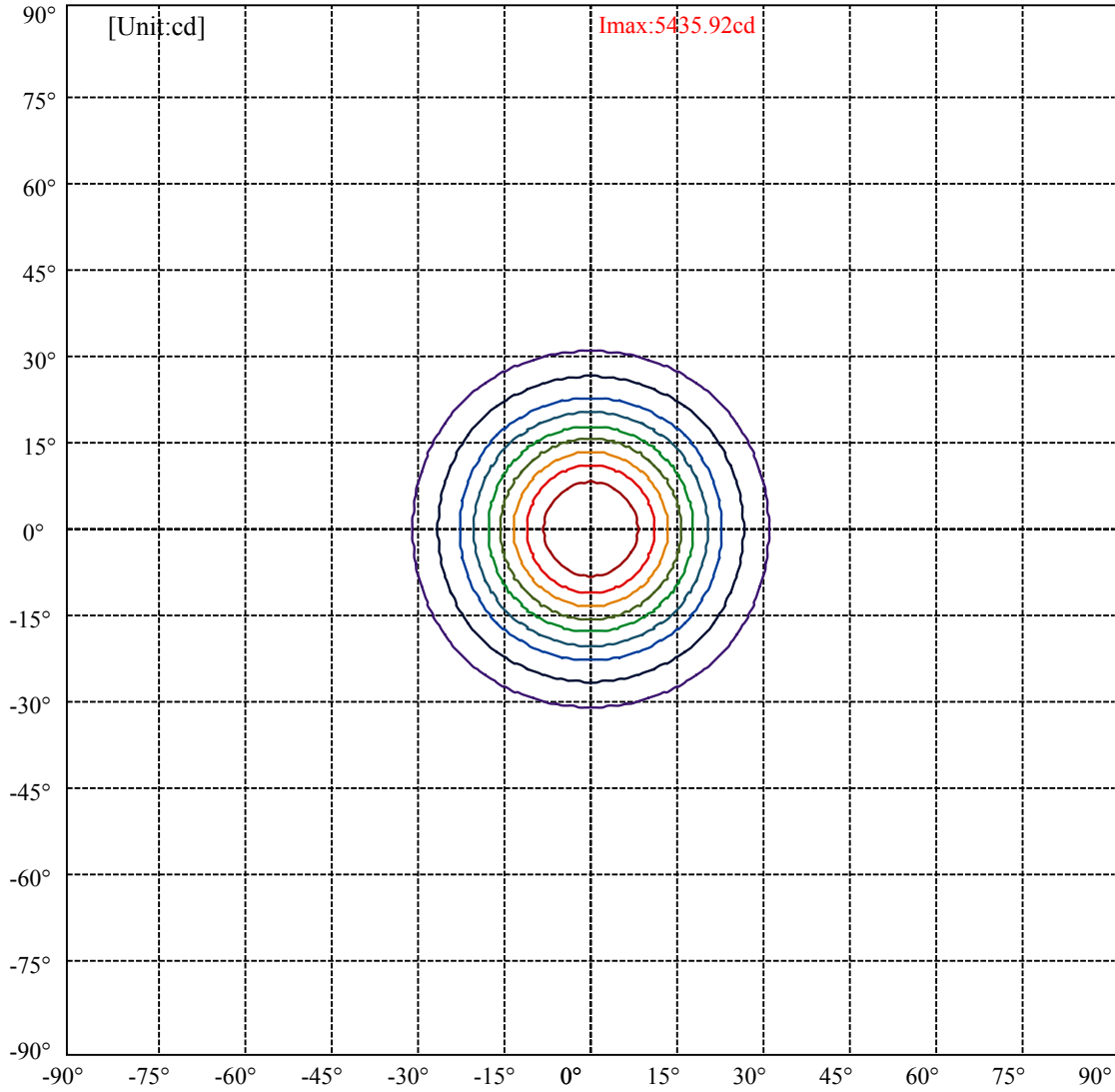


C0(Max): —————
C0/C180: —————
C90/C270: —————

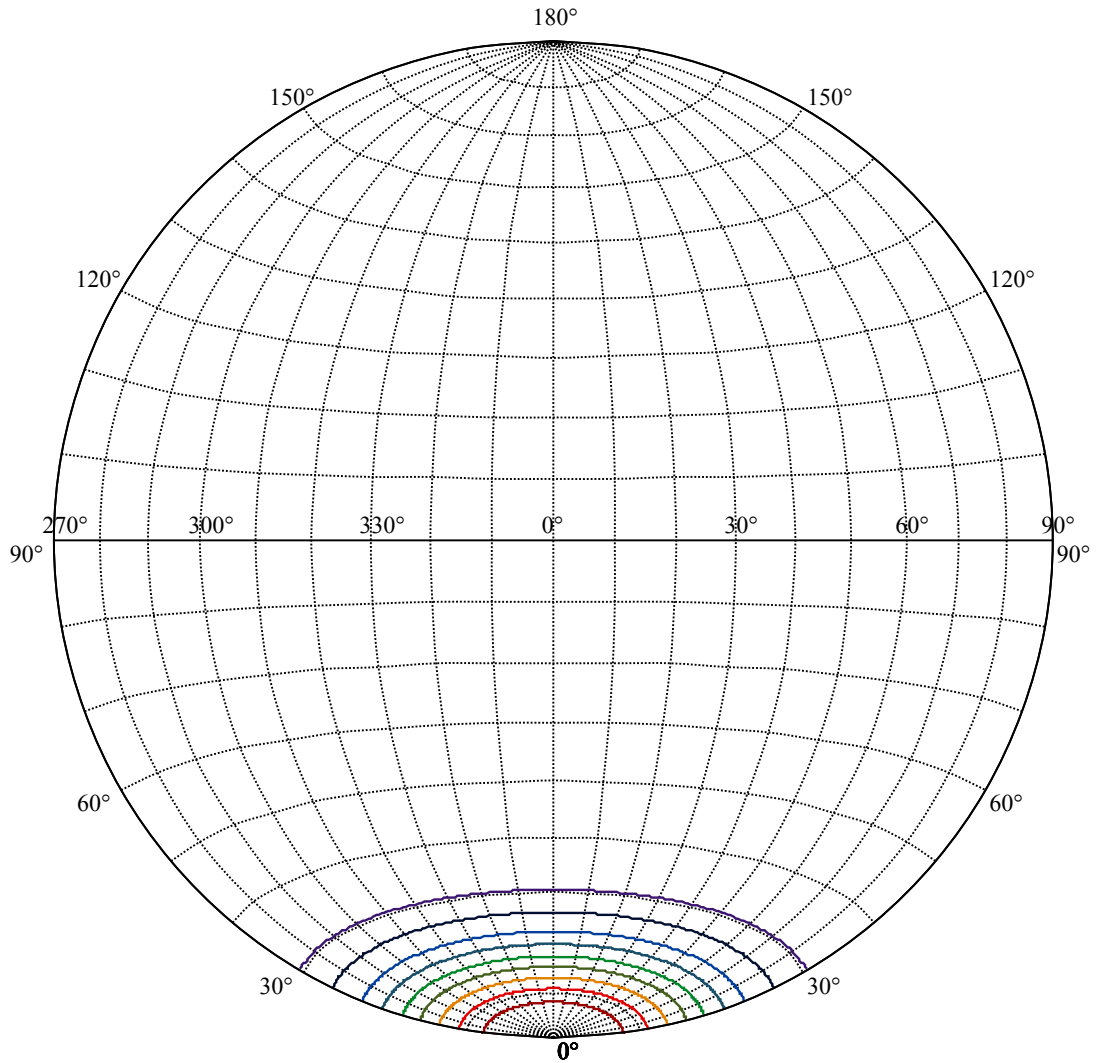
Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6





(10%Imax) 543.592	—
(20%Imax) 1087.18	—
(30%Imax) 1630.78	—
(40%Imax) 2174.37	—
(50%Imax) 2717.96	—
(60%Imax) 3261.55	—
(70%Imax) 3805.14	—
(80%Imax) 4348.74	—
(90%Imax) 4892.33	—



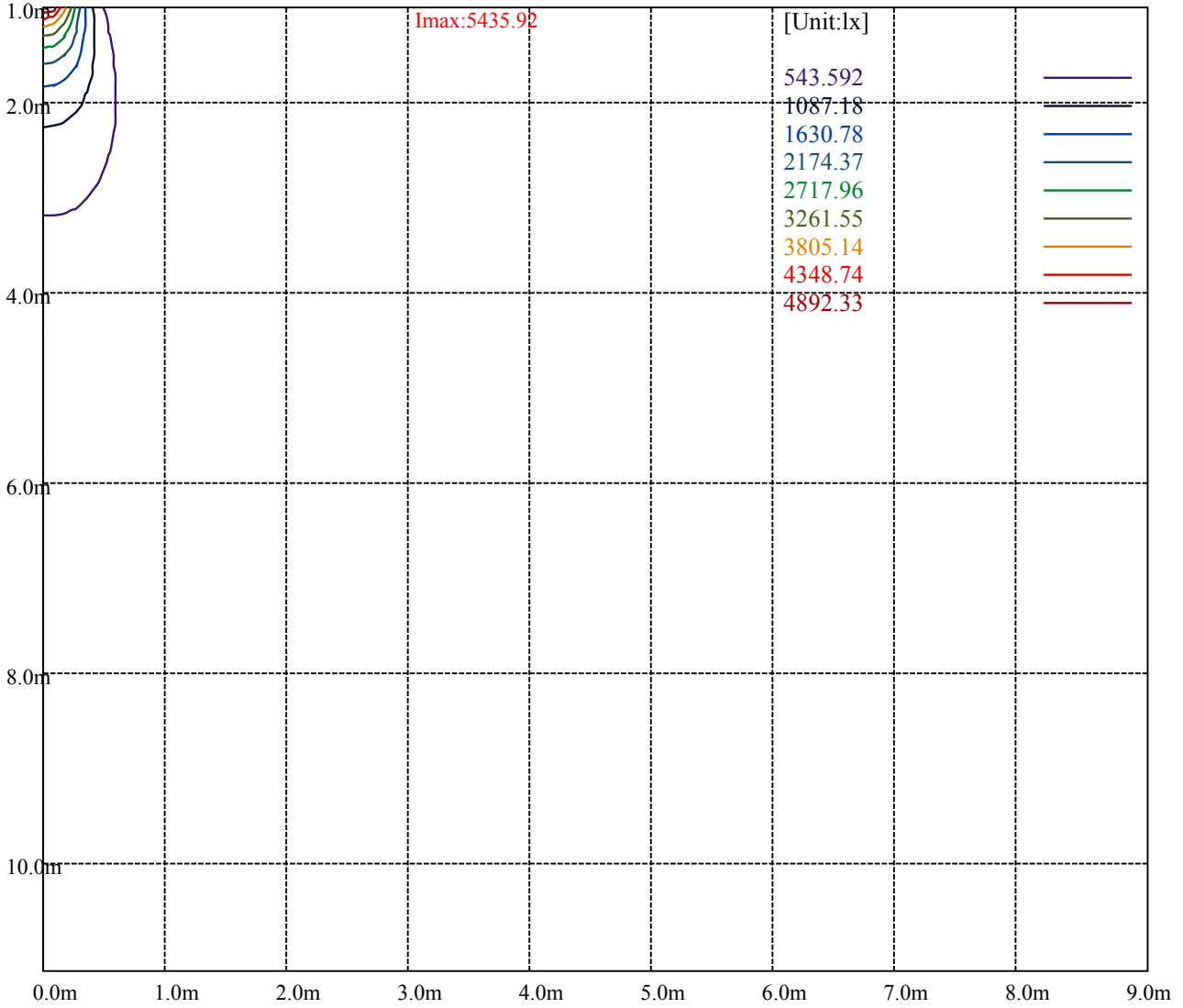
House

[Unit:cd]

Road

Imax:5435.92

(10%Imax) 543.592	—
(20%Imax) 1087.18	—
(30%Imax) 1630.78	—
(40%Imax) 2174.37	—
(50%Imax) 2717.96	—
(60%Imax) 3261.55	—
(70%Imax) 3805.14	—
(80%Imax) 4348.74	—
(90%Imax) 4892.33	—



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

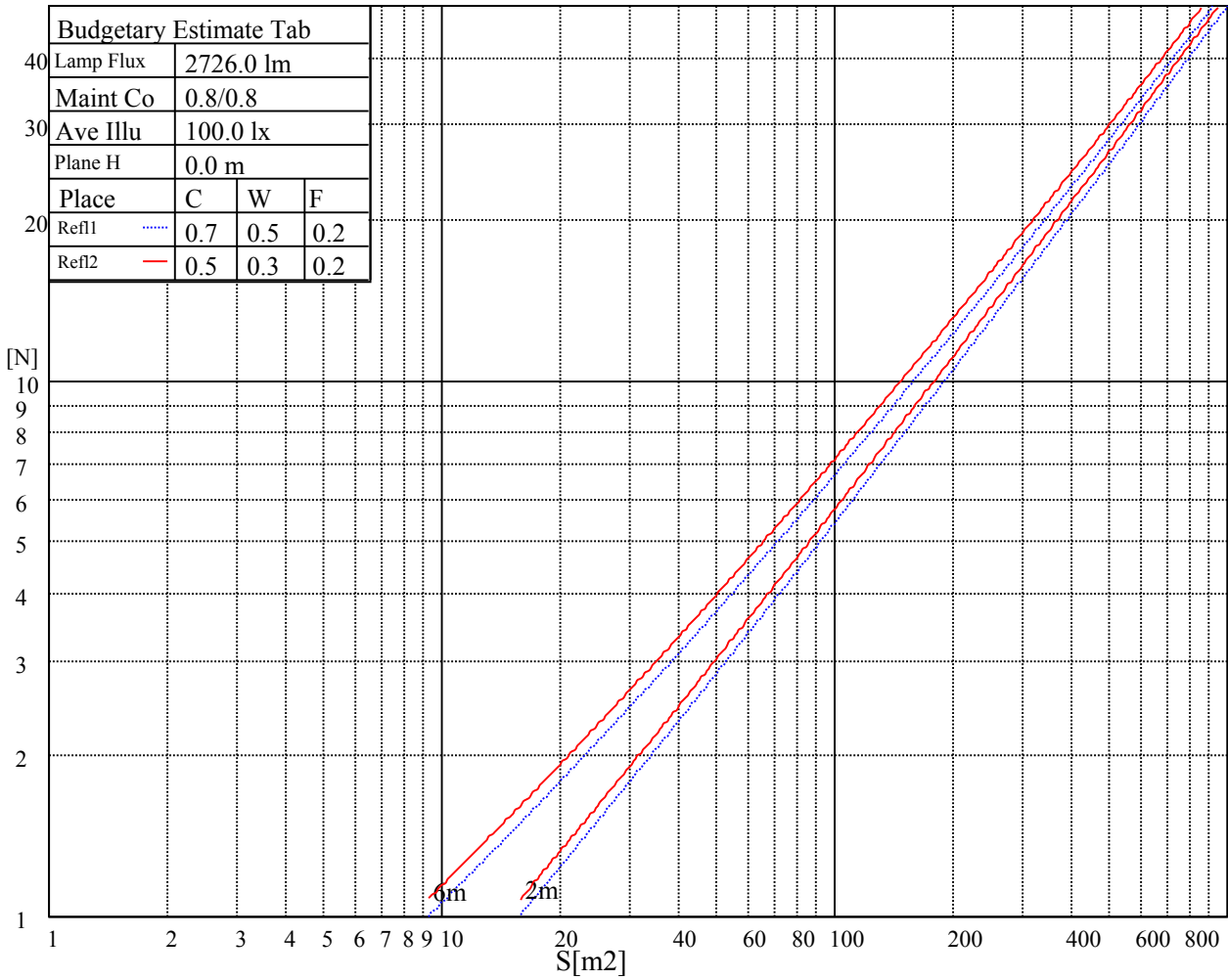
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

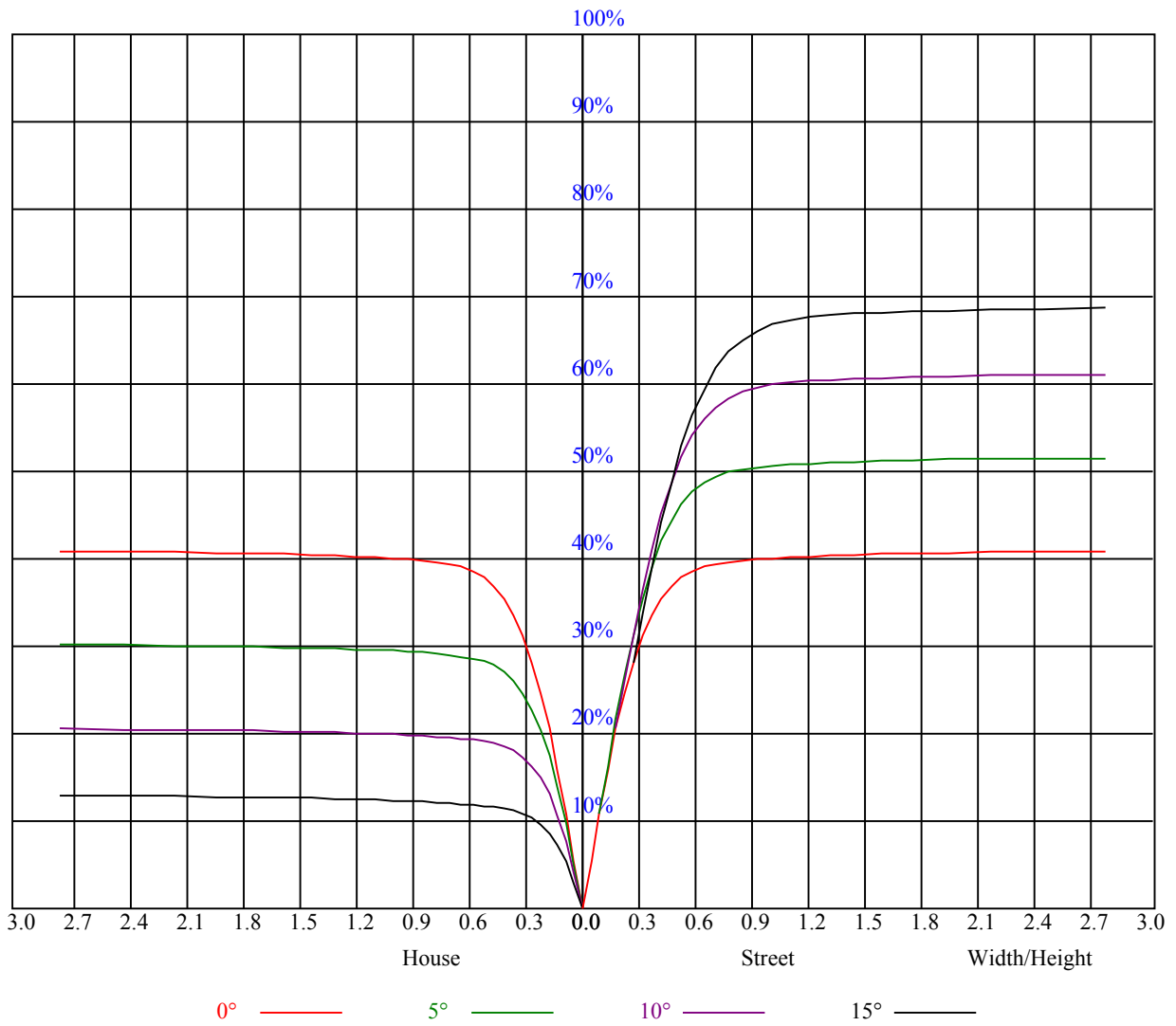


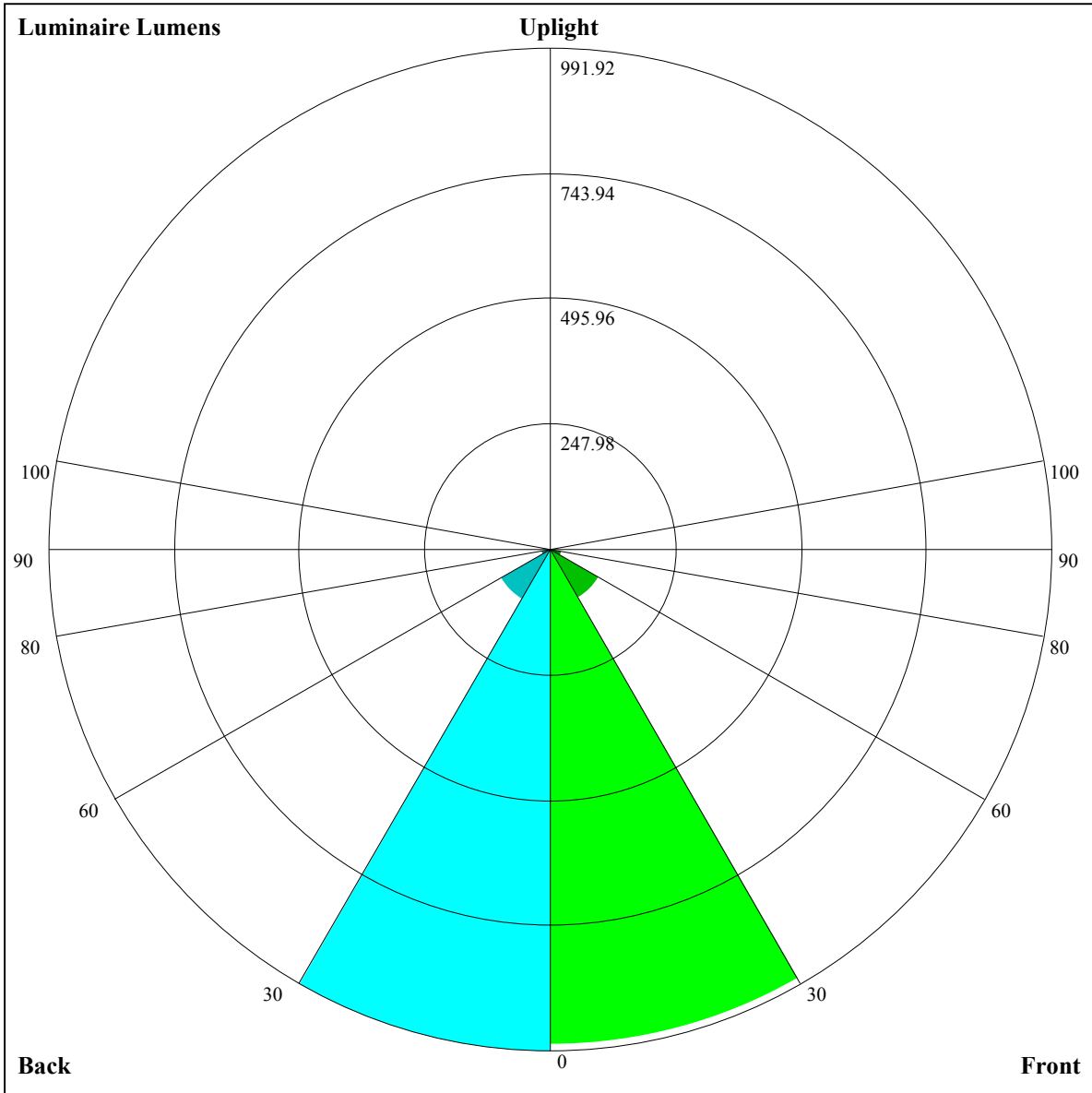
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.78	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.72	0.70	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	0.68	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	0.68	0.65	0.62	0.67	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	0.61	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=978.18,FM=110.23,FH=21.41,FVH=6.28

BL=991.92,BM=113.83,BH=20,BVH=6.15

UL=0,UH=0

BUG Rating:B2-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	5446.75	5437.97	5426.85	5398.17	5346.09	5277.62	5182.81	5023.04	4872.06
45.0	5421.58	5444.41	5450.26	5453.77	5440.90	5421.00	5356.62	5274.11	5164.67
90.0	5443.82	5454.94	5450.84	5445.58	5420.41	5345.50	5268.84	5157.06	5008.41
135.0	5431.53	5437.97	5450.26	5441.48	5404.61	5375.35	5319.17	5236.07	5102.64
180.0	5446.75	5433.29	5418.07	5392.32	5353.70	5278.20	5203.88	5100.88	4942.28
225.0	5421.58	5391.74	5347.26	5290.49	5216.75	5099.71	4983.25	4841.62	4694.15
270.0	5443.82	5418.07	5392.91	5349.60	5279.37	5202.12	5104.98	4982.08	4811.19
315.0	5431.53	5404.03	5361.89	5315.66	5243.09	5134.24	5020.70	4840.45	4682.44
360.0	5446.75	5437.97	5426.85	5398.17	5346.09	5277.62	5182.81	5023.04	4872.06
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4660.79	4461.81	4254.06	4033.43	3744.33	3507.31	3266.78	3032.69	2741.25
45.0	4983.25	4821.73	4630.94	4420.85	4152.82	3917.55	3673.52	3435.91	3122.23
90.0	4852.74	4616.31	4412.07	4195.54	3902.34	3667.08	3424.80	3117.55	2882.88
135.0	4962.18	4765.55	4574.18	4374.03	4110.68	3888.88	3648.35	3402.56	3107.60
180.0	4801.83	4635.63	4392.17	4186.17	3919.90	3694.58	3462.83	3231.09	2936.72
225.0	4480.54	4297.37	4051.57	3846.16	3628.45	3342.86	3111.11	2892.24	2608.41
270.0	4661.96	4495.76	4306.14	4101.32	3836.21	3616.75	3329.40	3100.00	2868.83
315.0	4503.36	4261.08	4054.50	3837.96	3553.54	3321.21	3089.46	2857.71	2570.37
360.0	4660.79	4461.81	4254.06	4033.43	3744.33	3507.31	3266.78	3032.69	2741.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2522.96	2310.53	2057.71	1861.07	1674.97	1480.09	1148.04	1148.04	1049.54
45.0	2893.41	2669.27	2400.65	2198.16	1943.59	1755.15	1590.11	1412.21	1279.36
90.0	2656.39	2388.95	2180.02	1977.53	1737.01	1573.14	1329.10	1162.02	1127.55
135.0	2878.78	2655.22	2436.35	2182.36	1979.29	1786.75	1577.83	1436.20	1302.77
180.0	2702.63	2480.24	2269.56	2018.50	1818.94	1632.25	1483.60	1316.23	1185.72
225.0	2386.02	2172.41	1968.17	1769.78	1550.90	1164.19	1164.19	1132.18	967.55
270.0	2578.56	2365.54	2163.64	1915.50	1721.79	1546.81	1405.18	1230.79	1099.70
315.0	2352.66	2143.74	1945.35	1704.23	1537.44	1162.08	1162.08	1094.78	935.07
360.0	2522.96	2310.53	2057.71	1861.07	1674.97	1480.09	1148.04	1148.04	1049.54
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	919.62	795.26	683.13	552.28	453.14	360.44	278.39	194.00	149.41
45.0	1146.51	1011.91	882.58	732.17	622.74	522.08	425.52	316.08	296.18
90.0	998.98	870.99	752.13	612.61	508.91	413.05	302.74	229.70	162.46
135.0	1133.05	999.04	868.53	719.89	610.45	508.03	411.47	303.21	303.21
180.0	1019.52	890.77	766.70	625.08	520.32	422.01	331.88	311.40	223.67
225.0	846.00	703.50	595.12	494.16	374.66	291.03	222.09	161.35	136.47
270.0	967.44	840.44	695.31	584.70	479.94	361.14	297.94	297.94	155.38
315.0	814.17	700.63	592.01	463.67	369.45	286.76	218.93	159.01	134.78
360.0	919.62	795.26	683.13	552.28	453.14	360.44	278.39	194.00	149.41
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	126.99	110.90	100.42	91.59	82.22	75.79	68.65	63.67	59.28
45.0	296.18	134.72	118.80	106.51	94.10	85.62	77.02	70.99	65.49
90.0	133.14	118.45	104.52	95.10	87.37	80.41	74.21	67.30	62.38
135.0	217.35	139.52	119.50	108.09	98.73	88.54	81.64	75.26	68.30
180.0	143.26	125.71	110.72	100.95	92.41	84.62	76.20	70.29	63.56
225.0	121.67	109.44	97.09	88.43	80.70	73.86	66.60	61.57	57.18
270.0	135.25	118.04	106.92	97.26	88.54	79.01	72.45	66.77	61.51
315.0	120.85	109.26	97.50	89.01	79.59	72.98	67.30	61.10	56.88
360.0	126.99	110.90	100.42	91.59	82.22	75.79	68.65	63.67	59.28

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	55.42	51.15	48.05	45.41	42.96	40.20	38.27	36.52	34.82
45.0	60.75	55.48	51.91	48.63	45.71	42.49	40.15	38.10	36.28
90.0	58.00	54.07	49.69	46.70	43.25	40.79	38.57	36.05	34.29
135.0	63.38	58.99	54.07	50.62	47.46	43.83	41.32	39.21	37.22
180.0	58.99	55.01	50.62	47.52	44.77	42.19	39.44	37.40	35.52
225.0	52.38	49.04	45.41	42.84	40.56	38.45	36.05	34.29	32.71
270.0	57.12	52.32	48.98	46.12	42.78	40.50	37.86	36.11	34.35
315.0	53.20	49.98	46.53	43.95	41.73	39.74	37.40	35.70	34.18
360.0	55.42	51.15	48.05	45.41	42.96	40.20	38.27	36.52	34.82
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.89	31.54	29.79	28.50	27.27	25.87	24.76	23.76	22.88
45.0	34.00	32.42	30.67	29.26	27.92	26.51	25.46	24.29	23.23
90.0	32.48	30.96	29.14	27.80	26.51	25.40	23.94	23.00	22.12
135.0	35.05	33.42	31.95	30.61	28.91	27.56	26.10	24.93	23.82
180.0	33.77	31.78	30.31	28.97	27.21	26.04	24.93	23.58	22.59
225.0	31.31	29.55	28.27	26.98	25.87	24.64	23.58	22.36	21.54
270.0	32.36	30.96	29.61	28.27	26.80	25.81	24.76	23.70	22.59
315.0	32.36	31.08	29.73	28.09	27.04	25.75	24.64	23.82	22.94
360.0	32.89	31.54	29.79	28.50	27.27	25.87	24.76	23.76	22.88
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.83	21.07	20.48	20.48	21.19	22.30	23.58	25.34	26.69
45.0	22.12	21.24	20.48	19.78	18.96	18.26	17.73	17.15	16.68
90.0	21.07	20.31	19.66	18.84	18.26	17.56	17.21	16.74	16.56
135.0	22.65	21.83	21.07	20.42	19.61	19.08	18.49	18.08	17.85
180.0	21.54	20.66	20.01	19.66	19.72	20.01	20.54	21.30	22.41
225.0	20.78	19.78	19.14	18.55	17.85	17.26	16.80	16.44	15.98
270.0	21.89	21.19	20.48	20.01	19.84	19.61	19.78	20.13	20.48
315.0	21.95	21.36	21.01	21.19	21.71	22.65	23.88	25.05	26.92
360.0	21.83	21.07	20.48	20.48	21.19	22.30	23.58	25.34	26.69
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	27.45	27.45	27.04	26.34	25.63	24.81	23.12	19.25	15.86
45.0	16.09	15.68	15.33	14.92	14.57	14.28	13.99	13.69	13.40
90.0	17.09	17.73	18.67	19.37	19.49	18.84	17.85	16.56	14.05
135.0	18.14	18.90	20.07	21.13	21.65	20.78	19.66	17.62	14.75
180.0	23.12	23.41	23.29	22.82	22.18	21.13	20.25	19.02	15.80
225.0	15.45	15.04	14.69	14.22	13.93	13.64	13.11	12.76	12.35
270.0	20.95	21.36	21.77	21.71	21.13	20.25	19.08	17.15	15.27
315.0	28.32	29.55	29.61	28.38	26.51	24.29	21.13	18.14	15.10
360.0	27.45	27.45	27.04	26.34	25.63	24.81	23.12	19.25	15.86
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.05	12.06	11.76	11.47	11.29	10.77	10.12	9.95	9.60
45.0	13.23	12.99	12.82	12.58	12.58	12.52	10.24	9.89	9.77
90.0	12.64	12.23	12.06	12.00	10.65	10.30	9.95	9.83	9.54
135.0	13.34	12.76	12.35	12.11	11.76	10.65	10.36	10.01	9.95
180.0	12.87	11.76	11.41	11.12	10.77	10.30	10.07	9.89	9.89
225.0	12.11	11.88	11.59	11.06	10.42	10.07	9.83	9.83	9.48
270.0	12.87	12.23	11.94	11.76	11.70	10.65	10.18	9.77	9.60
315.0	13.17	12.23	12.00	11.88	12.06	10.65	10.12	9.77	9.66
360.0	13.05	12.06	11.76	11.47	11.29	10.77	10.12	9.95	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.71
45.0	9.60
90.0	9.71
135.0	9.60
180.0	9.60
225.0	9.66
270.0	9.66
315.0	9.66
360.0	9.71