



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.411.00

Report No: 2024327-B021

Ballast type: AC

Test No: 2024327-C021

Voltage(V): 34.200

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2888.0

Power (W): 19.699

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2391.74, Efficiency(%): 82.82% , Luminous Efficacy(lm/W): 121.41

Central intensity(cd): 5474.107, Maximum intensity(cd): 5474.107

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=64.6

[C90/270]Total=64.6

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

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.82%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.675%

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	5474.107	0.000	0	0.00%	0.00%
1.0	5463.719	5.234	5.234	0.18%	0.22%
2.0	5439.359	15.649	20.883	0.54%	0.87%
3.0	5399.783	25.924	46.806	0.90%	1.96%
4.0	5342.870	35.959	82.765	1.25%	3.46%
5.0	5266.645	45.642	128.407	1.58%	5.37%
6.0	5169.131	54.843	183.25	1.90%	7.66%
7.0	5032.994	63.324	246.574	2.19%	10.31%
8.0	4883.249	70.969	317.543	2.46%	13.28%
9.0	4696.416	77.638	395.181	2.69%	16.52%
10.0	4498.098	83.207	478.388	2.88%	20.00%
11.0	4287.124	87.782	566.17	3.04%	23.67%
12.0	4069.421	91.349	657.519	3.16%	27.49%
13.0	3831.088	93.759	751.278	3.25%	31.41%
14.0	3603.216	95.158	846.437	3.29%	35.39%
15.0	3375.051	95.801	942.238	3.32%	39.40%
16.0	3152.812	95.651	1037.889	3.31%	43.39%
17.0	2903.067	94.306	1132.195	3.27%	47.34%
18.0	2680.608	92.063	1224.258	3.19%	51.19%
19.0	2471.829	89.642	1313.9	3.10%	54.93%
20.0	2270.293	86.794	1400.694	3.01%	58.56%
21.0	2070.731	83.356	1484.05	2.89%	62.05%
22.0	1893.993	79.673	1563.723	2.76%	65.38%
23.0	1729.910	76.039	1639.762	2.63%	68.56%
24.0	1565.023	72.039	1711.802	2.49%	71.57%
25.0	1394.825	67.300	1779.102	2.33%	74.39%
26.0	1253.530	62.515	1841.617	2.16%	77.00%
27.0	1171.694	59.334	1900.95	2.05%	79.48%
28.0	1060.545	56.516	1957.466	1.96%	81.84%
29.0	945.446	52.482	2009.948	1.82%	84.04%
30.0	811.992	47.450	2057.399	1.64%	86.02%
31.0	691.619	41.843	2099.242	1.45%	87.77%
32.0	579.534	36.417	2135.659	1.26%	89.29%
33.0	465.056	30.774	2166.433	1.07%	90.58%
34.0	360.535	24.985	2191.418	0.87%	91.62%
35.0	279.240	19.869	2211.287	0.69%	92.46%
36.0	232.488	16.294	2227.581	0.56%	93.14%
37.0	150.673	12.497	2240.077	0.43%	93.66%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.484	8.283	2248.36	0.29%	94.01%
39.0	84.997	6.229	2254.589	0.22%	94.27%
40.0	77.257	5.659	2260.248	0.20%	94.50%
41.0	71.178	5.286	2265.533	0.18%	94.72%
42.0	66.196	4.991	2270.524	0.17%	94.93%
43.0	61.844	4.743	2275.267	0.16%	95.13%
44.0	58.127	4.528	2279.795	0.16%	95.32%
45.0	54.836	4.341	2284.137	0.15%	95.50%
46.0	51.895	4.174	2288.311	0.14%	95.68%
47.0	49.364	4.027	2292.338	0.14%	95.84%
48.0	47.220	3.904	2296.243	0.14%	96.01%
49.0	45.348	3.801	2300.044	0.13%	96.17%
50.0	43.519	3.705	2303.749	0.13%	96.32%
51.0	41.990	3.618	2307.367	0.13%	96.47%
52.0	40.637	3.546	2310.912	0.12%	96.62%
53.0	39.203	3.473	2314.385	0.12%	96.77%
54.0	37.835	3.395	2317.781	0.12%	96.91%
55.0	36.364	3.312	2321.093	0.11%	97.05%
56.0	34.923	3.221	2324.314	0.11%	97.18%
57.0	33.365	3.122	2327.437	0.11%	97.31%
58.0	31.866	3.016	2330.453	0.10%	97.44%
59.0	30.198	2.901	2333.355	0.10%	97.56%
60.0	28.705	2.783	2336.137	0.10%	97.68%
61.0	27.228	2.669	2338.807	0.09%	97.79%
62.0	25.904	2.560	2341.367	0.09%	97.89%
63.0	24.601	2.456	2343.823	0.09%	98.00%
64.0	23.402	2.355	2346.179	0.08%	98.10%
65.0	22.451	2.269	2348.448	0.08%	98.19%
66.0	21.675	2.202	2350.649	0.08%	98.28%
67.0	21.200	2.156	2352.805	0.07%	98.37%
68.0	20.702	2.123	2354.928	0.07%	98.46%
69.0	20.359	2.095	2357.023	0.07%	98.55%
70.0	20.190	2.083	2359.105	0.07%	98.64%
71.0	20.029	2.079	2361.184	0.07%	98.72%
72.0	19.927	2.078	2363.261	0.07%	98.81%
73.0	19.729	2.074	2365.335	0.07%	98.90%
74.0	19.510	2.063	2367.398	0.07%	98.98%
75.0	19.342	2.053	2369.451	0.07%	99.07%

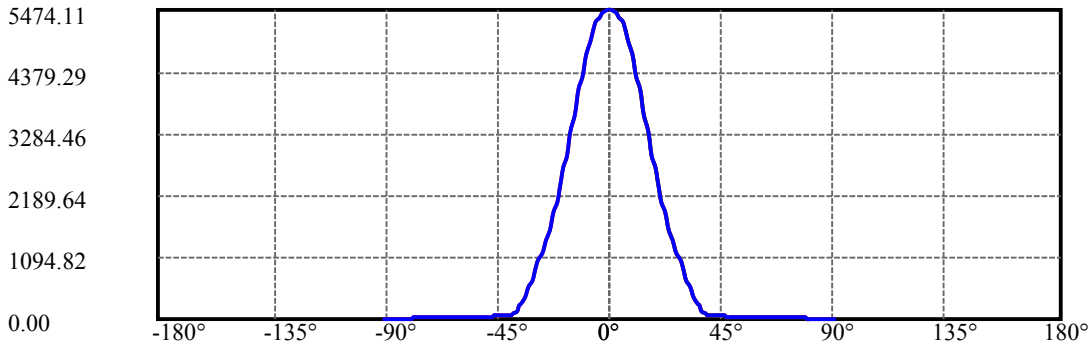
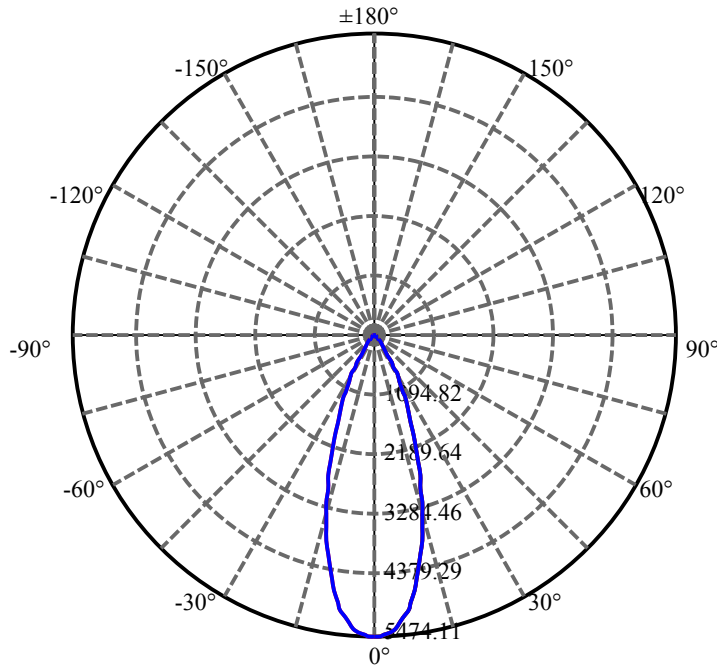
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.844	2.027	2371.478	0.07%	99.15%
77.0	18.244	1.977	2373.455	0.07%	99.24%
78.0	17.593	1.918	2375.374	0.07%	99.32%
79.0	16.840	1.850	2377.224	0.06%	99.39%
80.0	15.677	1.753	2378.977	0.06%	99.47%
81.0	14.353	1.624	2380.601	0.06%	99.53%
82.0	13.043	1.486	2382.086	0.05%	99.60%
83.0	12.085	1.366	2383.452	0.05%	99.65%
84.0	11.558	1.288	2384.74	0.04%	99.71%
85.0	11.178	1.241	2385.981	0.04%	99.76%
86.0	10.775	1.200	2387.181	0.04%	99.81%
87.0	10.483	1.163	2388.345	0.04%	99.86%
88.0	10.344	1.141	2389.486	0.04%	99.91%
89.0	10.285	1.131	2390.616	0.04%	99.95%
90.0	10.190	1.123	2391.739	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2057.40	71.24%	86.02%
0-40	2260.25	78.26%	94.50%
0-60	2336.14	80.89%	97.68%
0-90	2390.62	82.78%	99.95%
0-120	2390.62	82.78%	99.95%
0-180	2391.74	82.82%	100.00%
60-90	54.48	1.89%	2.28%
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%
0-27.22	1913.39	66.25%	80.00%

ZONAL LUMEN SUMMARY

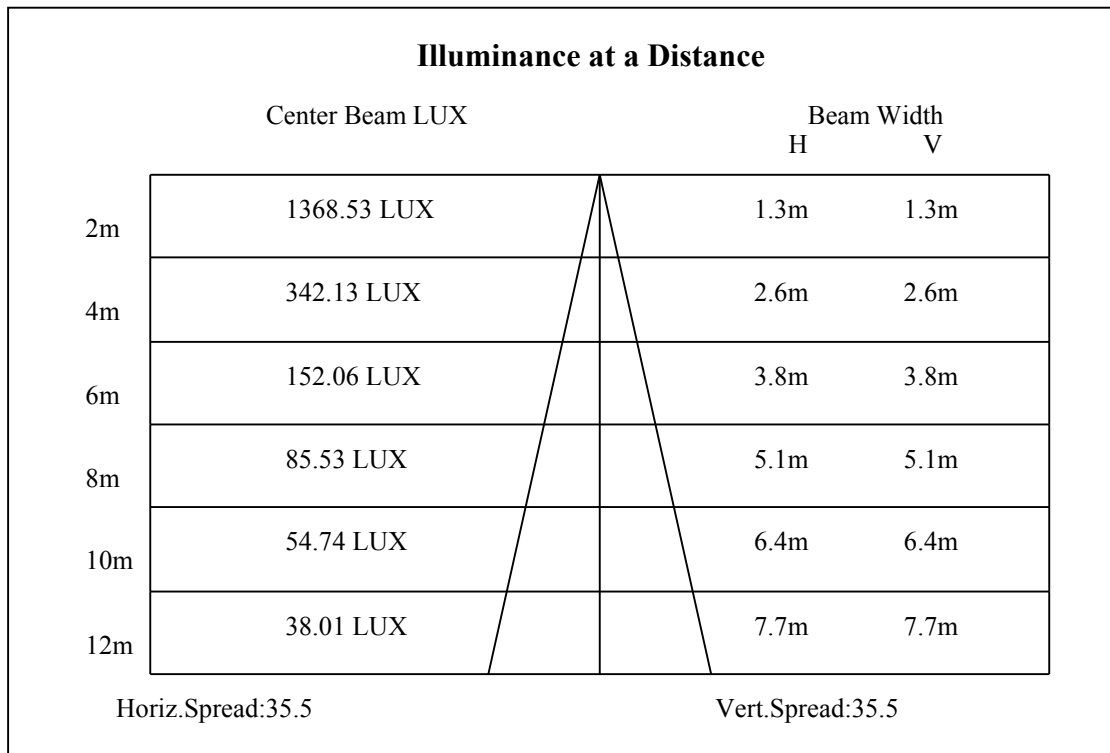
0-10	478.39
10-20	922.31
20-30	656.70
30-40	202.85
40-50	43.50
50-60	32.39
60-70	22.97
70-80	19.87
80-90	11.64
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

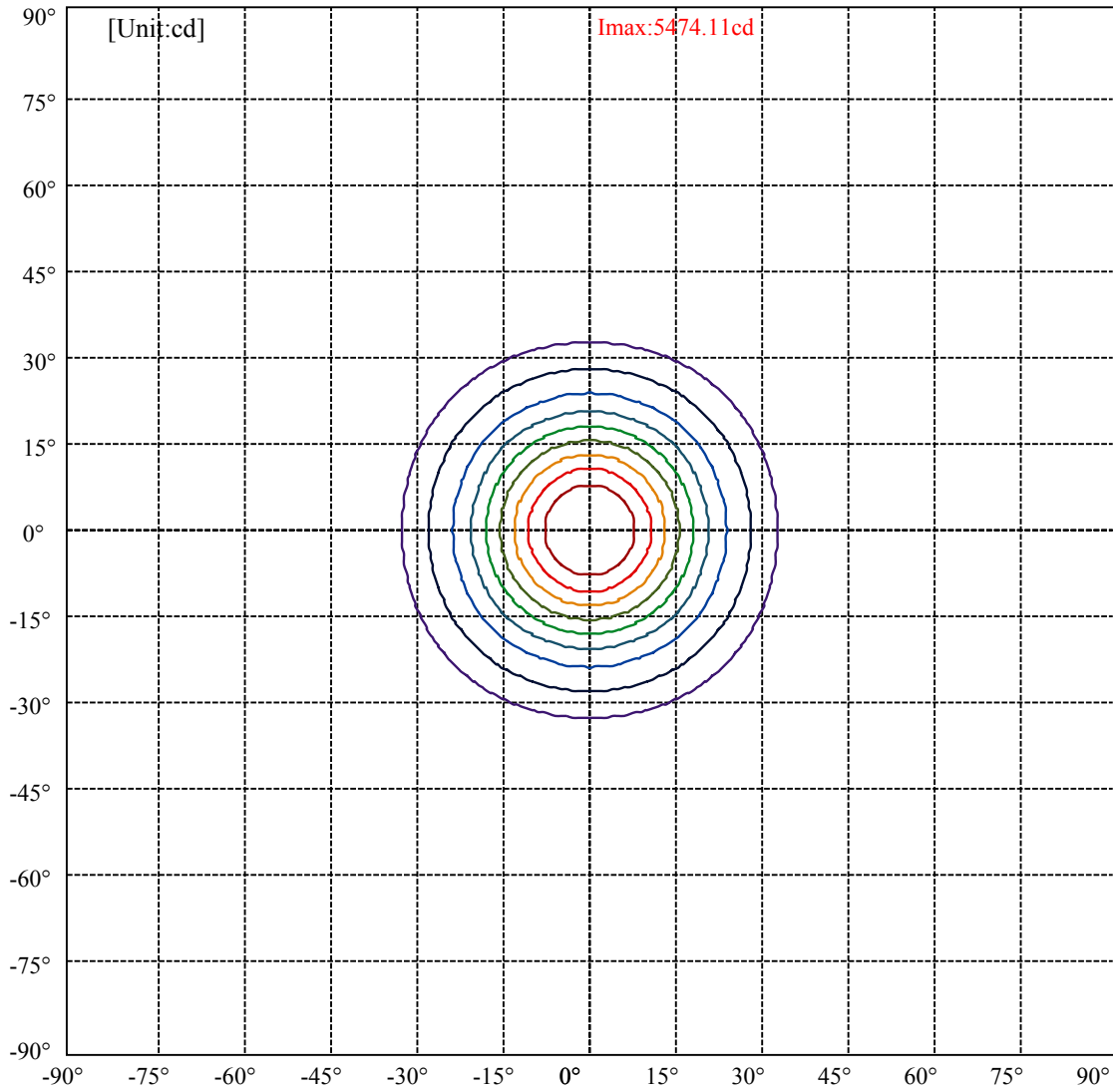


C0(Max): —————
C0/C180: —————
C90/C270: —————

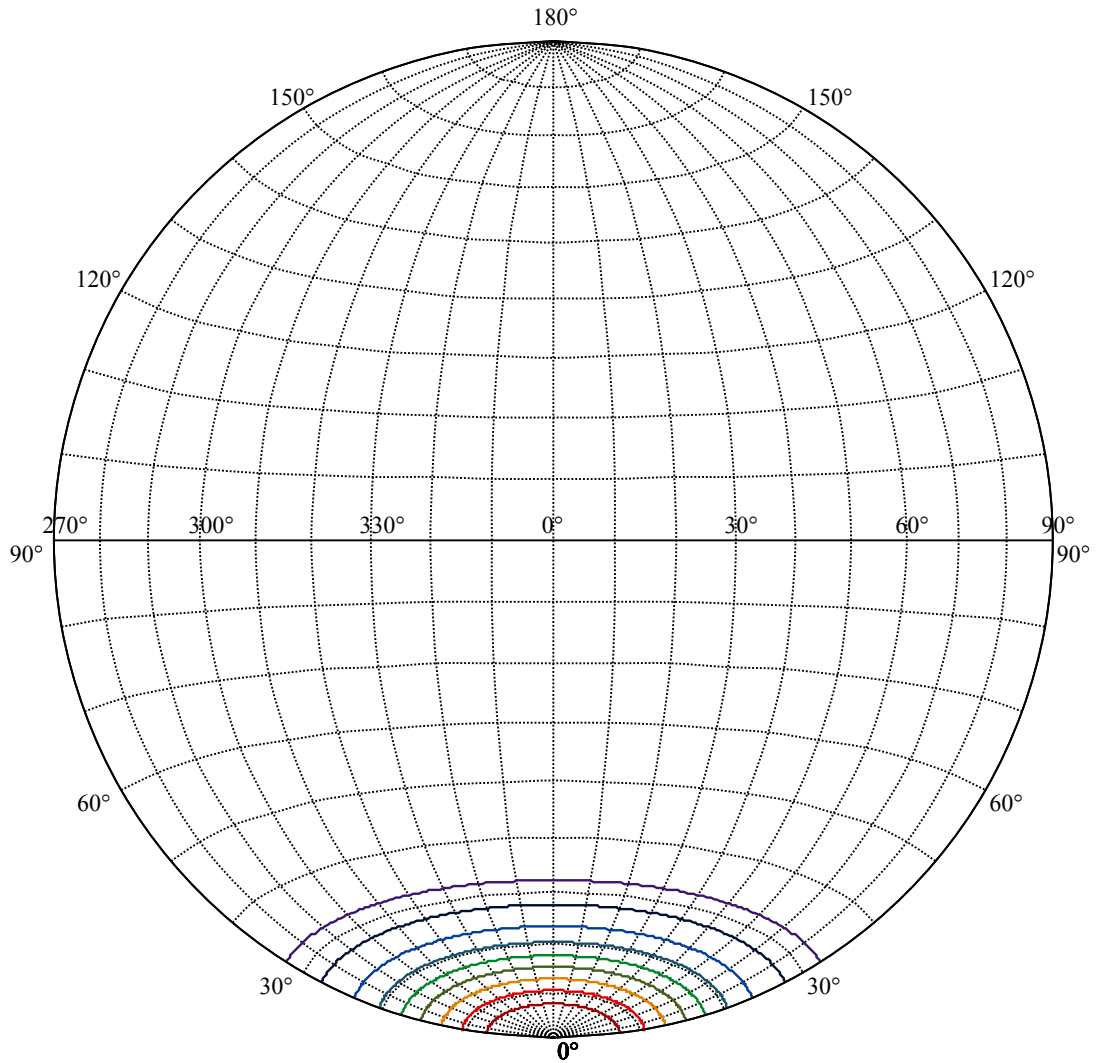
Field angle(10%Imax):C0/180Left:32.3 Right:32.3
:C90/270Left:32.3 Right:32.3

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





(10%I _{max}) 547.411	—
(20%I _{max}) 1094.82	—
(30%I _{max}) 1642.23	—
(40%I _{max}) 2189.64	—
(50%I _{max}) 2737.05	—
(60%I _{max}) 3284.46	—
(70%I _{max}) 3831.87	—
(80%I _{max}) 4379.29	—
(90%I _{max}) 4926.7	—



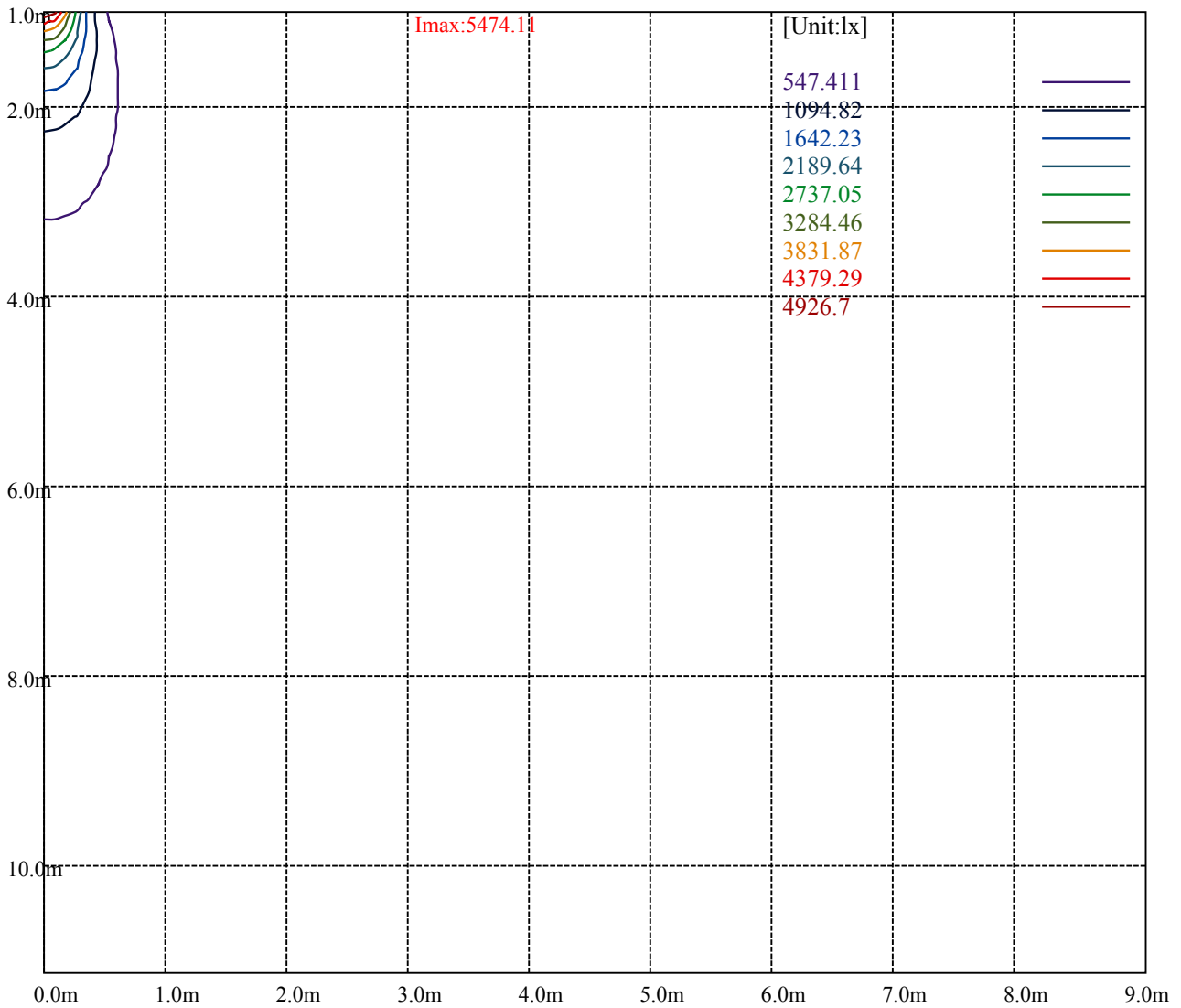
House

[Unit:cd]

Road

Imax:5474.11

(10%Imax)	547.411	—
(20%Imax)	1094.82	—
(30%Imax)	1642.23	—
(40%Imax)	2189.64	—
(50%Imax)	2737.05	—
(60%Imax)	3284.46	—
(70%Imax)	3831.87	—
(80%Imax)	4379.29	—
(90%Imax)	4926.7	—



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

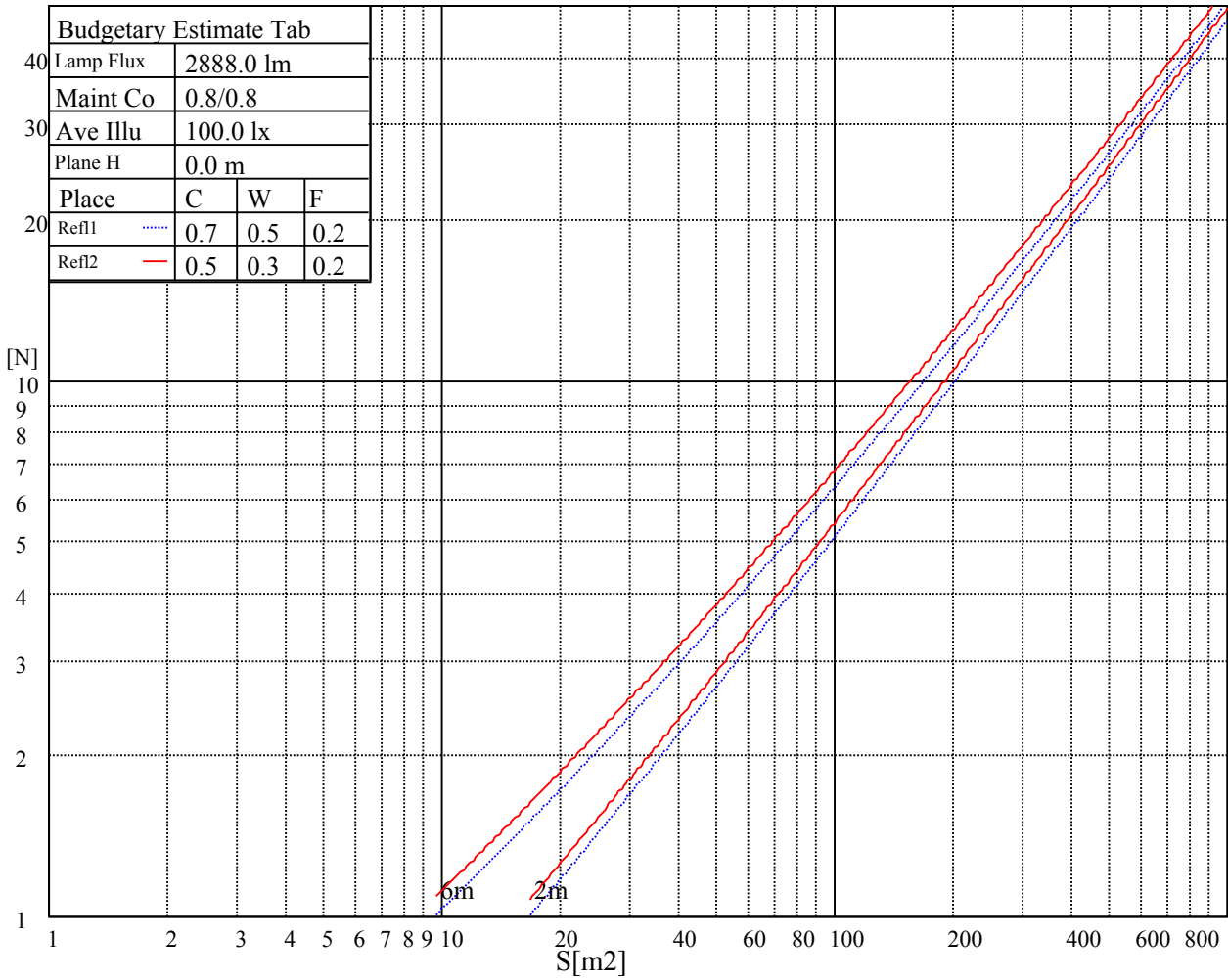
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

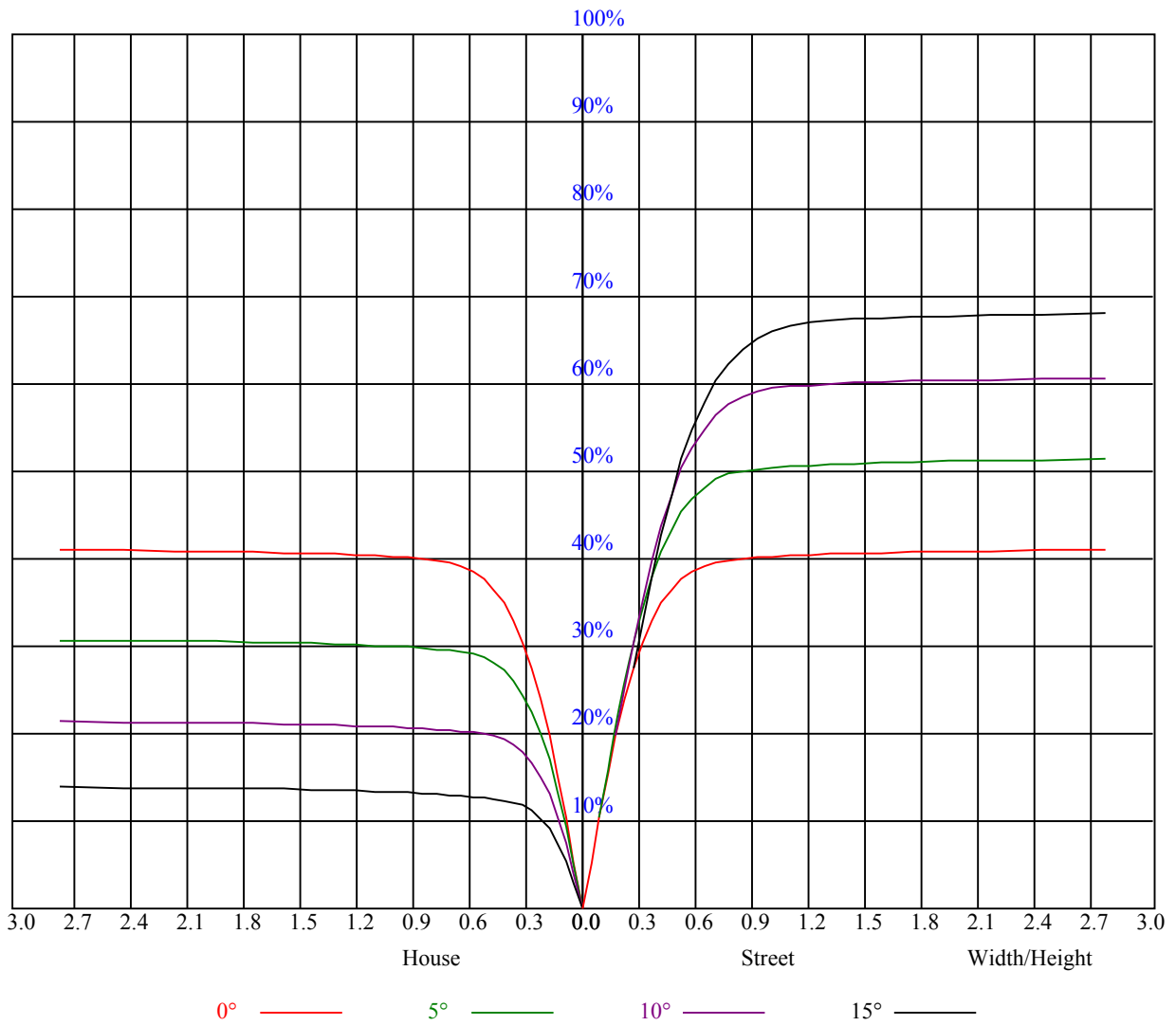


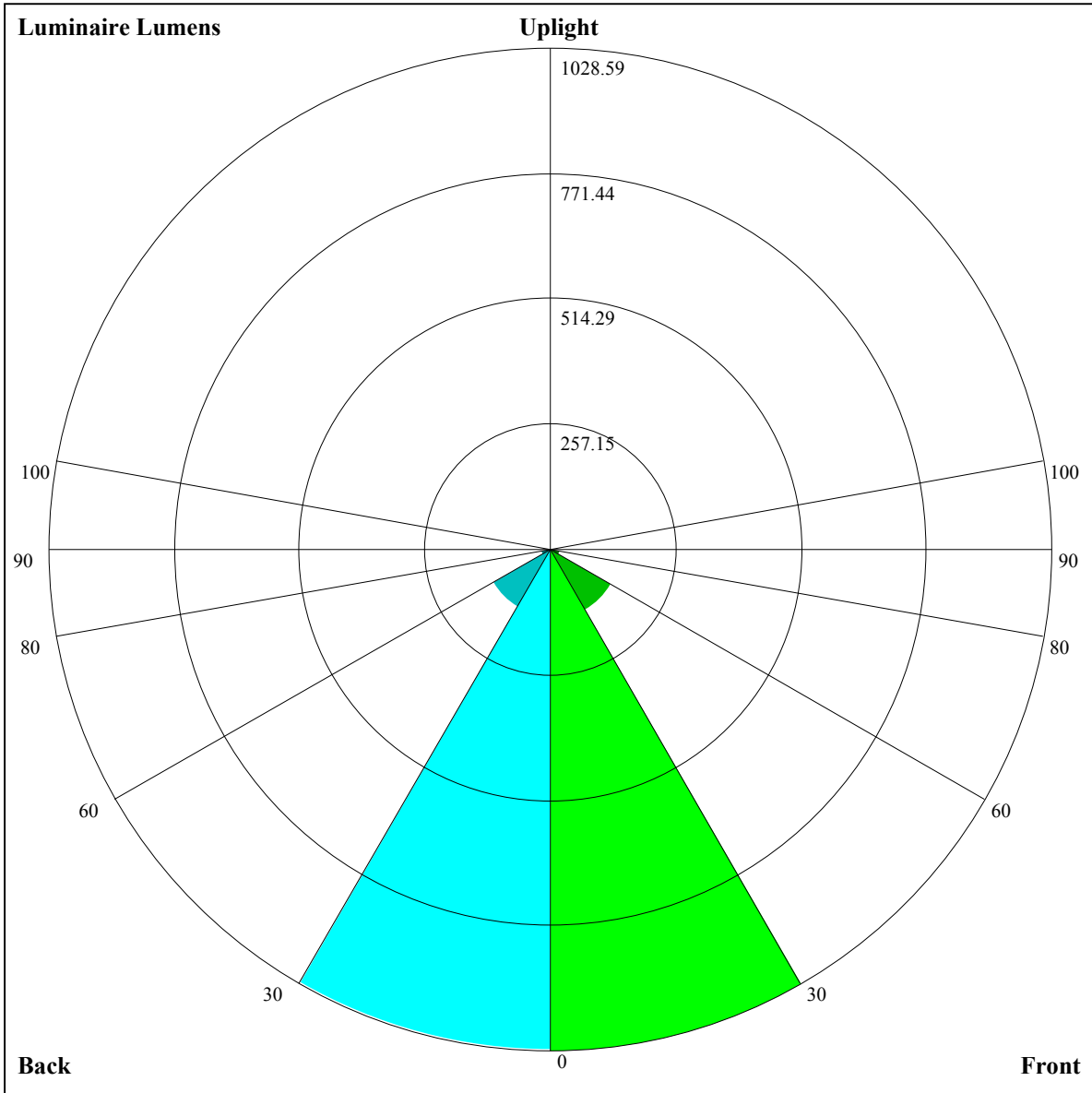
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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 RHOF=20 CU															
0	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	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	0.74	0.78	0.76	0.73	0.76	0.74	0.72	0.75	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	0.70	0.68	0.72	0.69	0.67	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=1028.59,FM=143.16,FH=20.78,FVH=6.41

BL=1026.67,BM=137.05,BH=21.11,BVH=6.32

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	5473.67	5439.72	5401.69	5354.87	5302.20	5209.73	5106.73	4983.25	4842.21
45.0	5476.01	5487.13	5476.59	5450.26	5401.69	5348.43	5282.88	5159.99	5042.36
90.0	5488.88	5490.05	5470.74	5428.61	5367.16	5298.69	5202.71	5035.92	4880.84
135.0	5457.87	5481.28	5487.71	5470.16	5442.65	5374.76	5300.44	5182.23	5044.70
180.0	5473.67	5490.64	5476.01	5444.99	5394.08	5330.29	5215.58	5093.86	4952.82
225.0	5476.01	5443.82	5401.10	5341.99	5270.01	5174.03	5048.21	4861.52	4687.71
270.0	5488.88	5470.74	5437.38	5393.49	5320.34	5261.23	5172.86	5058.74	4886.69
315.0	5457.87	5406.37	5363.65	5313.90	5244.84	5135.99	5023.63	4888.44	4728.68
360.0	5473.67	5439.72	5401.69	5354.87	5302.20	5209.73	5106.73	4983.25	4842.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4624.51	4441.33	4239.43	3986.61	3774.76	3512.58	3302.48	3090.63	2823.77
45.0	4900.15	4735.70	4508.05	4310.24	4106.00	3891.22	3626.11	3412.51	3197.73
90.0	4707.61	4467.08	4266.93	4060.35	3849.08	3585.15	3370.95	3157.35	2943.74
135.0	4848.06	4673.67	4485.22	4290.93	4029.92	3815.73	3600.95	3383.24	3107.02
180.0	4745.65	4559.55	4359.98	4152.82	3885.95	3668.25	3455.23	3246.89	2977.10
225.0	4508.63	4251.13	4036.94	3826.84	3553.54	3337.01	3118.72	2843.67	2635.91
270.0	4727.51	4543.16	4290.34	4080.25	3813.38	3595.68	3378.56	3156.18	2876.44
315.0	4509.22	4313.17	4110.09	3847.33	3636.06	3420.11	3147.40	2932.04	2662.83
360.0	4624.51	4441.33	4239.43	3986.61	3774.76	3512.58	3302.48	3090.63	2823.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2622.45	2426.40	2239.71	2016.74	1849.37	1699.55	1556.17	1417.47	1148.15
45.0	2934.38	2734.23	2487.85	2299.99	2122.08	1952.37	1760.42	1607.67	1463.12
90.0	2689.17	2494.87	2304.67	2079.95	1909.65	1713.01	1563.78	1419.81	1144.58
135.0	2889.90	2630.64	2438.11	2250.83	2031.96	1868.10	1712.43	1564.36	1379.43
180.0	2762.32	2561.59	2321.06	2134.37	1919.01	1761.00	1607.67	1423.33	1288.14
225.0	2428.16	2191.14	2014.40	1853.47	1705.99	1528.67	1296.33	1157.81	1157.81
270.0	2656.39	2461.51	2261.37	2042.49	1877.46	1717.69	1559.10	1416.89	1295.75
315.0	2462.10	2274.24	2095.16	1887.99	1736.42	1598.89	1464.29	1151.25	1151.25
360.0	2622.45	2426.40	2239.71	2016.74	1849.37	1699.55	1556.17	1417.47	1148.15
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1148.15	1039.01	929.40	822.48	678.63	572.64	470.58	351.31	265.40
45.0	1320.33	1173.43	1076.29	968.61	858.58	716.37	609.86	482.28	382.21
90.0	1144.58	1038.25	925.42	776.48	666.51	559.07	458.06	336.15	246.09
135.0	1243.08	1138.91	1024.20	873.80	756.17	646.15	517.98	418.49	324.86
180.0	1172.26	1070.44	956.32	801.23	688.87	578.85	448.34	352.36	309.64
225.0	1070.61	930.86	809.31	662.36	551.52	447.46	330.59	248.19	176.97
270.0	1168.75	1078.04	970.95	829.32	709.94	600.50	469.41	370.51	304.96
315.0	1105.78	1015.42	871.69	761.67	622.74	515.23	415.63	324.98	223.79
360.0	1148.15	1039.01	929.40	822.48	678.63	572.64	470.58	351.31	265.40
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	189.79	127.05	89.36	80.88	73.80	68.53	63.26	59.52	55.89
45.0	310.81	310.81	126.23	95.86	85.79	76.49	70.87	66.25	62.09
90.0	172.17	117.40	92.64	84.10	75.73	70.29	65.78	60.80	57.53
135.0	303.79	205.59	107.80	90.83	82.87	76.72	69.88	65.49	61.57
180.0	309.64	119.74	94.98	84.27	77.19	71.40	66.60	61.57	58.11
225.0	113.59	92.99	84.92	77.72	70.81	66.36	62.33	58.93	54.95
270.0	304.96	123.95	96.04	86.79	78.89	71.57	67.01	62.85	58.70
315.0	155.14	107.86	87.90	79.53	72.98	68.06	63.85	59.34	56.18
360.0	189.79	127.05	89.36	80.88	73.80	68.53	63.26	59.52	55.89

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	53.08	50.68	48.05	46.41	44.71	42.78	41.61	40.38	39.15
45.0	57.82	54.78	52.03	49.10	46.99	45.18	43.13	41.84	40.26
90.0	54.37	51.73	48.81	46.76	45.00	43.31	41.67	40.44	39.21
135.0	58.17	54.31	51.68	49.33	47.34	45.30	43.77	42.19	40.97
180.0	54.84	51.44	49.28	47.17	45.41	43.37	42.02	40.67	38.98
225.0	52.26	49.92	47.34	45.53	43.54	42.08	40.67	39.33	37.57
270.0	55.42	52.09	49.69	47.70	45.82	43.77	42.37	40.85	39.44
315.0	52.73	50.21	48.05	45.76	43.95	42.37	40.67	39.39	38.04
360.0	53.08	50.68	48.05	46.41	44.71	42.78	41.61	40.38	39.15
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.98	36.52	35.00	33.71	32.36	30.37	29.14	27.45	26.10
45.0	39.09	37.86	36.81	35.05	33.71	32.42	30.84	29.14	27.68
90.0	37.69	36.46	35.11	33.47	31.95	30.31	28.68	27.21	25.75
135.0	39.62	38.10	36.64	35.11	33.77	31.66	30.14	28.85	27.21
180.0	37.63	36.05	34.47	33.01	31.60	29.73	28.50	27.21	25.81
225.0	36.11	34.59	33.12	31.19	29.73	28.50	26.74	25.52	24.52
270.0	37.81	36.34	34.70	33.30	31.37	29.79	28.21	26.74	25.52
315.0	36.75	35.00	33.53	32.07	30.43	28.79	27.39	25.69	24.64
360.0	37.98	36.52	35.00	33.71	32.36	30.37	29.14	27.45	26.10
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.11	23.82	22.71	22.18	22.00	21.83	21.59	21.48	21.19
45.0	26.34	25.05	24.29	23.53	23.29	23.06	22.82	22.94	23.12
90.0	24.64	23.23	22.06	21.30	20.48	19.25	18.49	17.85	17.15
135.0	25.57	24.58	23.35	22.06	21.24	20.54	19.78	19.66	19.84
180.0	24.40	23.35	22.30	21.42	20.89	20.42	20.01	20.13	20.48
225.0	23.06	22.12	21.83	21.59	21.89	22.65	23.70	24.35	24.35
270.0	24.11	22.94	21.83	20.83	20.13	19.20	18.43	17.62	16.97
315.0	23.58	22.12	21.24	20.48	19.66	18.67	18.02	17.50	17.15
360.0	25.11	23.82	22.71	22.18	22.00	21.83	21.59	21.48	21.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.95	21.01	21.19	21.30	20.83	19.96	19.14	17.97	16.44
45.0	23.23	23.06	23.00	22.53	21.95	21.07	20.01	19.55	18.67
90.0	16.39	15.74	15.27	14.81	14.28	13.99	13.58	13.28	12.93
135.0	20.19	20.37	20.95	21.01	20.72	20.25	19.72	19.37	18.08
180.0	21.01	21.54	21.95	22.47	21.95	21.13	20.37	18.90	16.91
225.0	24.35	23.53	22.36	21.65	20.83	19.90	18.96	17.44	15.16
270.0	16.27	15.74	15.10	14.63	14.16	13.69	13.34	12.99	12.64
315.0	17.03	16.85	16.27	16.33	16.04	15.98	15.63	15.22	14.57
360.0	20.95	21.01	21.19	21.30	20.83	19.96	19.14	17.97	16.44
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.86	13.64	12.52	11.70	11.35	11.06	10.48	10.36	10.36
45.0	17.32	15.63	13.34	12.11	11.65	11.29	10.89	10.48	10.30
90.0	12.64	12.29	11.94	11.65	11.29	10.71	10.48	10.30	10.42
135.0	16.44	13.75	12.11	11.70	11.41	10.89	10.59	10.42	10.59
180.0	14.86	12.99	12.06	11.53	11.06	10.65	10.42	10.30	10.07
225.0	12.87	11.94	11.53	11.18	10.59	10.42	10.30	10.12	10.30
270.0	12.35	12.00	11.70	11.41	11.18	10.65	10.42	10.42	10.07
315.0	13.46	12.11	11.47	11.18	10.89	10.53	10.30	10.36	10.18
360.0	14.86	13.64	12.52	11.70	11.35	11.06	10.48	10.36	10.36

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.12
45.0	10.24
90.0	10.07
135.0	10.12
180.0	10.36
225.0	10.18
270.0	10.18
315.0	10.24
360.0	10.12