



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: 2-2682-L

Luminaire: 92.70.411.00

Report No: 2024402-B010

Ballast type: AC

Test No: 2024402-C010

Voltage(V): 35.160

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2202.0

Power (W): 17.052

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1904.34, Efficiency(%): 86.48% , Luminous Efficacy(lm/W): 111.68

Central intensity(cd): 9319.768, Maximum intensity(cd): 9319.768

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.2

[C90/270]Total=17.2

Field angle(10%Imax): [C0/180]Total=48.4

[C90/270]Total=48.4

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

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.48%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.063%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
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	9319.767	0.000	0	0.00%	0.00%
1.0	9227.594	8.875	8.875	0.40%	0.47%
2.0	8940.687	26.077	34.951	1.18%	1.84%
3.0	8528.030	41.779	76.731	1.90%	4.03%
4.0	7918.299	55.051	131.782	2.50%	6.92%
5.0	7273.747	65.355	197.137	2.97%	10.35%
6.0	6451.359	72.129	269.266	3.28%	14.14%
7.0	5699.565	75.421	344.687	3.43%	18.10%
8.0	5018.436	76.707	421.394	3.48%	22.13%
9.0	4444.184	76.689	498.083	3.48%	26.16%
10.0	3932.844	75.809	573.892	3.44%	30.14%
11.0	3502.118	74.291	648.183	3.37%	34.04%
12.0	3139.352	72.601	720.783	3.30%	37.85%
13.0	2827.500	70.812	791.595	3.22%	41.57%
14.0	2544.617	68.763	860.358	3.12%	45.18%
15.0	2308.186	66.621	926.979	3.03%	48.68%
16.0	2065.903	64.093	991.072	2.91%	52.04%
17.0	1878.046	61.418	1052.49	2.79%	55.27%
18.0	1670.583	58.509	1110.999	2.66%	58.34%
19.0	1513.443	55.396	1166.394	2.52%	61.25%
20.0	1343.830	52.296	1218.69	2.37%	64.00%
21.0	1211.774	49.073	1267.763	2.23%	66.57%
22.0	1130.808	47.075	1314.838	2.14%	69.04%
23.0	1032.359	45.389	1360.227	2.06%	71.43%
24.0	949.103	43.322	1403.549	1.97%	73.70%
25.0	876.938	41.520	1445.069	1.89%	75.88%
26.0	820.229	40.062	1485.131	1.82%	77.99%
27.0	773.646	38.995	1524.126	1.77%	80.03%
28.0	730.332	38.078	1562.203	1.73%	82.03%
29.0	677.530	36.834	1599.037	1.67%	83.97%
30.0	611.099	34.793	1633.83	1.58%	85.80%
31.0	542.679	32.108	1665.938	1.46%	87.48%
32.0	472.211	29.075	1695.013	1.32%	89.01%
33.0	398.355	25.647	1720.66	1.16%	90.35%
34.0	331.501	22.088	1742.748	1.00%	91.51%
35.0	276.314	18.876	1761.624	0.86%	92.51%
36.0	205.275	15.334	1776.958	0.70%	93.31%
37.0	147.703	11.512	1788.47	0.52%	93.92%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	96.584	8.154	1796.624	0.37%	94.34%
39.0	69.722	5.676	1802.301	0.26%	94.64%
40.0	57.155	4.425	1806.726	0.20%	94.87%
41.0	51.558	3.871	1810.597	0.18%	95.08%
42.0	48.296	3.628	1814.225	0.16%	95.27%
43.0	45.392	3.470	1817.695	0.16%	95.45%
44.0	42.963	3.335	1821.03	0.15%	95.63%
45.0	41.017	3.227	1824.258	0.15%	95.79%
46.0	39.386	3.144	1827.402	0.14%	95.96%
47.0	37.557	3.060	1830.462	0.14%	96.12%
48.0	36.218	2.982	1833.444	0.14%	96.28%
49.0	35.165	2.931	1836.376	0.13%	96.43%
50.0	34.294	2.896	1839.272	0.13%	96.58%
51.0	33.592	2.872	1842.144	0.13%	96.73%
52.0	33.051	2.860	1845.004	0.13%	96.88%
53.0	32.634	2.857	1847.861	0.13%	97.03%
54.0	32.370	2.865	1850.726	0.13%	97.18%
55.0	32.304	2.887	1853.613	0.13%	97.34%
56.0	31.880	2.900	1856.513	0.13%	97.49%
57.0	31.112	2.880	1859.393	0.13%	97.64%
58.0	29.781	2.816	1862.209	0.13%	97.79%
59.0	28.018	2.702	1864.911	0.12%	97.93%
60.0	25.823	2.544	1867.455	0.12%	98.06%
61.0	23.541	2.356	1869.811	0.11%	98.19%
62.0	21.470	2.169	1871.98	0.10%	98.30%
63.0	18.947	1.966	1873.945	0.09%	98.40%
64.0	16.723	1.750	1875.696	0.08%	98.50%
65.0	14.909	1.565	1877.261	0.07%	98.58%
66.0	13.592	1.422	1878.683	0.06%	98.65%
67.0	12.831	1.329	1880.012	0.06%	98.72%
68.0	12.282	1.272	1881.284	0.06%	98.79%
69.0	11.917	1.235	1882.518	0.06%	98.85%
70.0	11.587	1.207	1883.726	0.05%	98.92%
71.0	11.324	1.184	1884.91	0.05%	98.98%
72.0	11.068	1.164	1886.074	0.05%	99.04%
73.0	10.863	1.147	1887.221	0.05%	99.10%
74.0	10.680	1.133	1888.353	0.05%	99.16%
75.0	10.497	1.119	1889.472	0.05%	99.22%

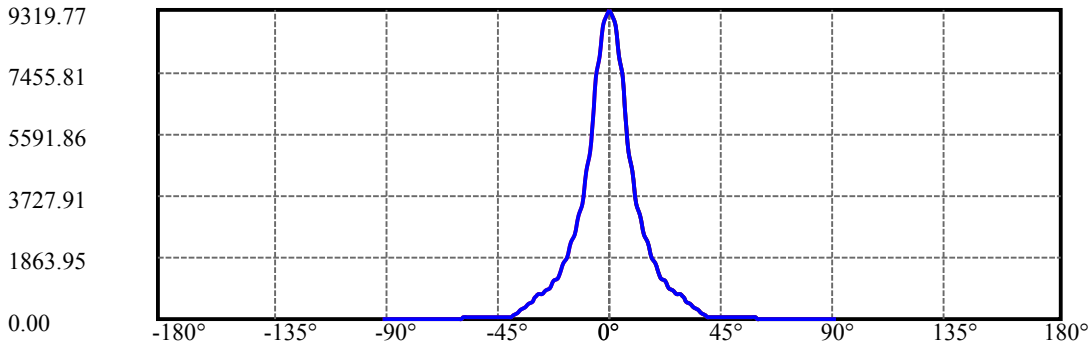
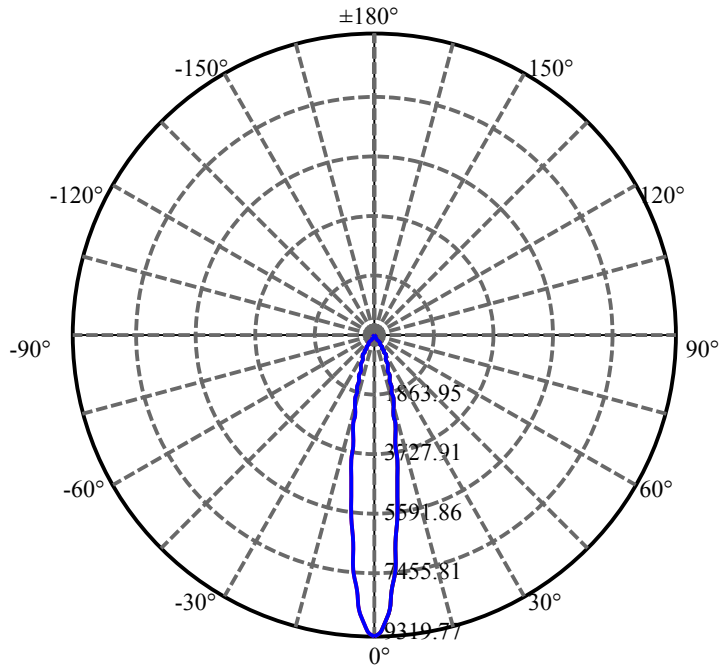
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.351	1.107	1890.579	0.05%	99.28%
77.0	10.183	1.095	1891.674	0.05%	99.33%
78.0	10.015	1.081	1892.755	0.05%	99.39%
79.0	9.817	1.066	1893.821	0.05%	99.45%
80.0	9.612	1.047	1894.868	0.05%	99.50%
81.0	9.393	1.028	1895.896	0.05%	99.56%
82.0	9.181	1.007	1896.903	0.05%	99.61%
83.0	8.961	0.986	1897.889	0.04%	99.66%
84.0	8.771	0.966	1898.855	0.04%	99.71%
85.0	8.603	0.948	1899.804	0.04%	99.76%
86.0	8.457	0.932	1900.736	0.04%	99.81%
87.0	8.318	0.918	1901.654	0.04%	99.86%
88.0	8.186	0.904	1902.558	0.04%	99.91%
89.0	8.105	0.893	1903.451	0.04%	99.95%
90.0	8.069	0.887	1904.338	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1633.83	74.20%	85.80%
0-40	1806.73	82.05%	94.87%
0-60	1867.46	84.81%	98.06%
0-90	1903.45	86.44%	99.95%
0-120	1903.45	86.44%	99.95%
0-180	1904.34	86.48%	100.00%
60-90	36.00	1.63%	1.89%
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%
0-26.98	1523.47	69.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	573.89
10-20	644.80
20-30	415.14
30-40	172.90
40-50	32.55
50-60	28.18
60-70	16.27
70-80	11.14
80-90	8.58
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



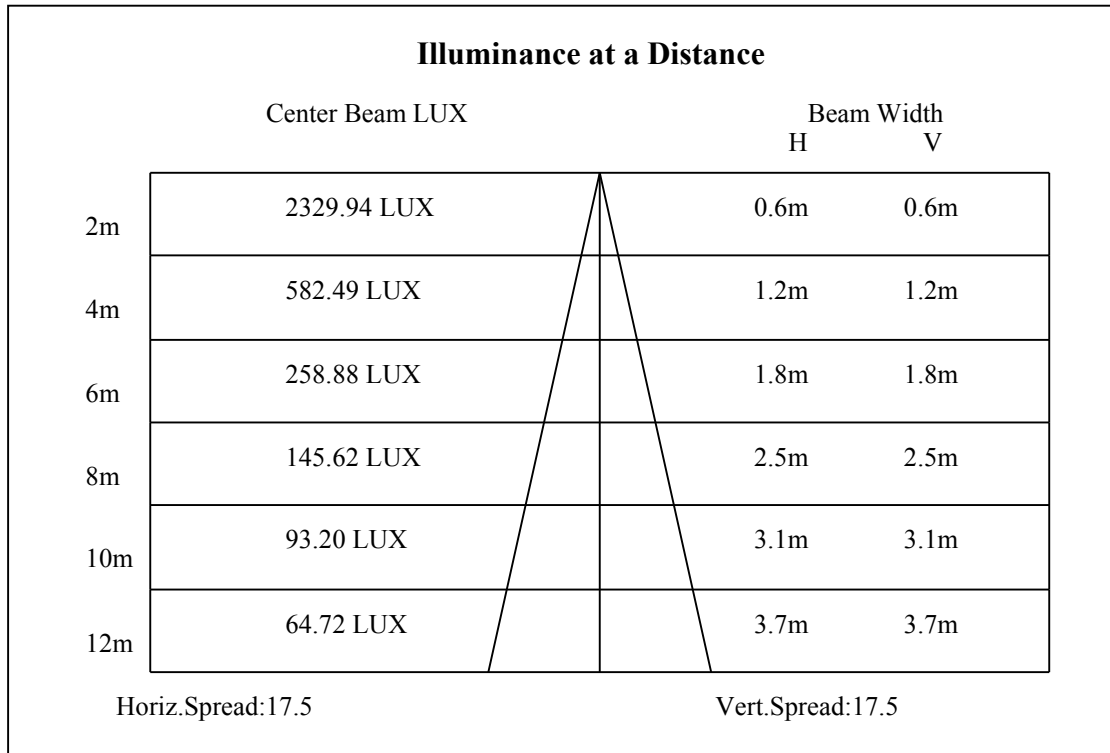
C0(Max): —————

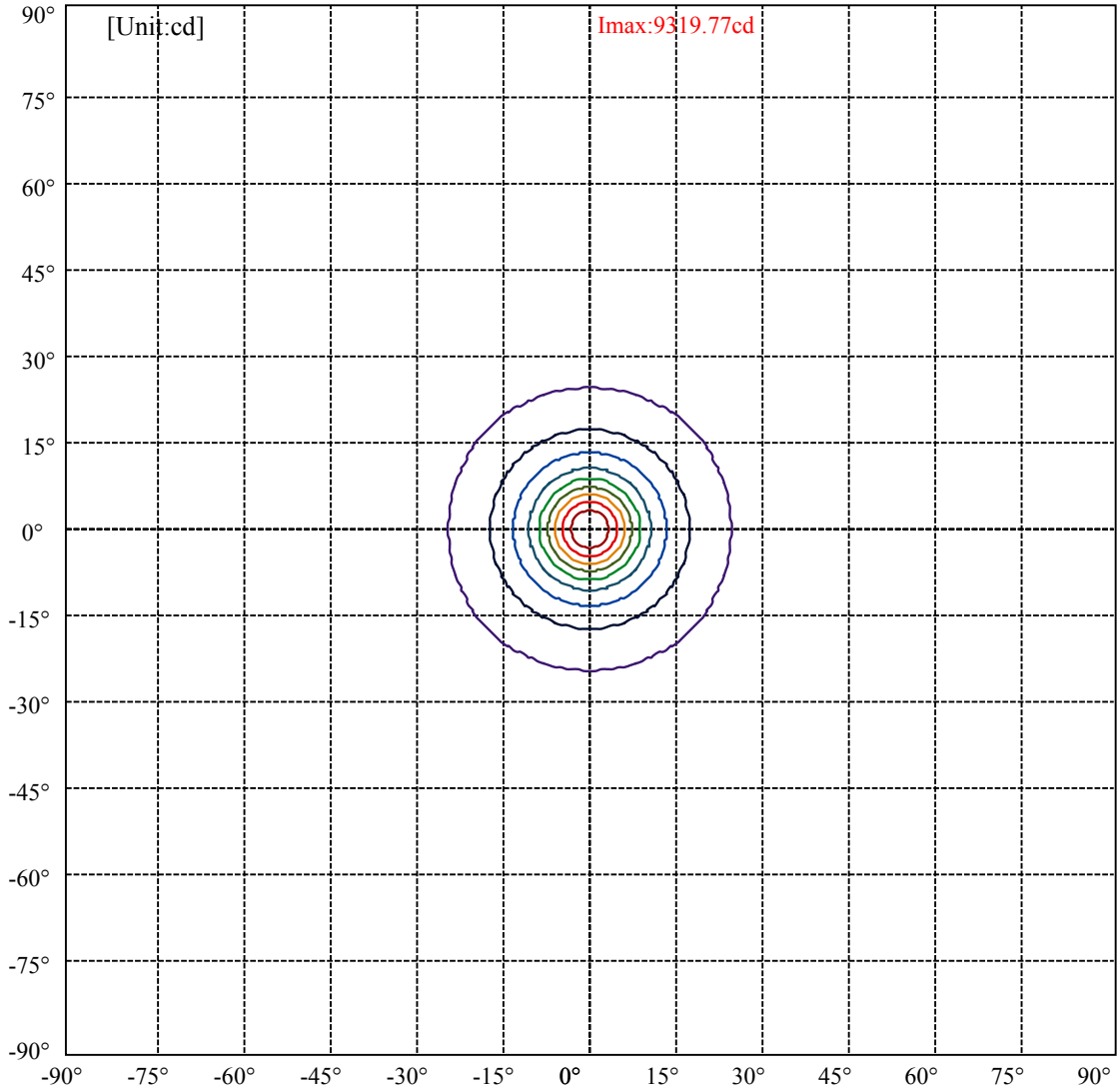
C0/C180: —————

C90/C270: —————

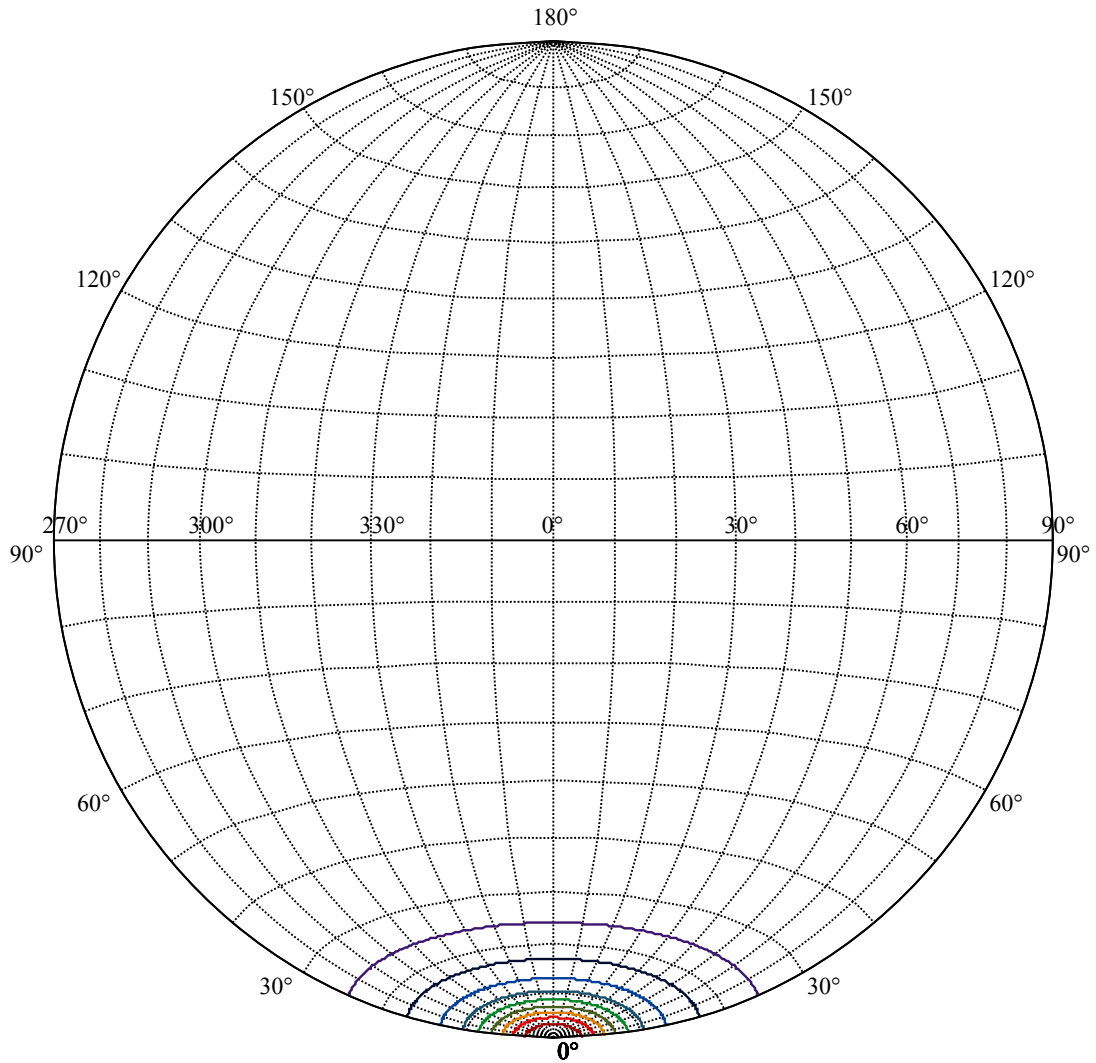
Field angle(10%Imax):C0/180Left:24.2 Right:24.2
:C90/270Left:24.2 Right:24.2

Beam Angle(50%Imax):C0/180Left:8.6 Right:8.6
:C90/270Left:8.6 Right:8.6





(10%Imax) 931.977	—
(20%Imax) 1863.95	—
(30%Imax) 2795.93	—
(40%Imax) 3727.91	—
(50%Imax) 4659.88	—
(60%Imax) 5591.86	—
(70%Imax) 6523.84	—
(80%Imax) 7455.81	—
(90%Imax) 8387.79	—



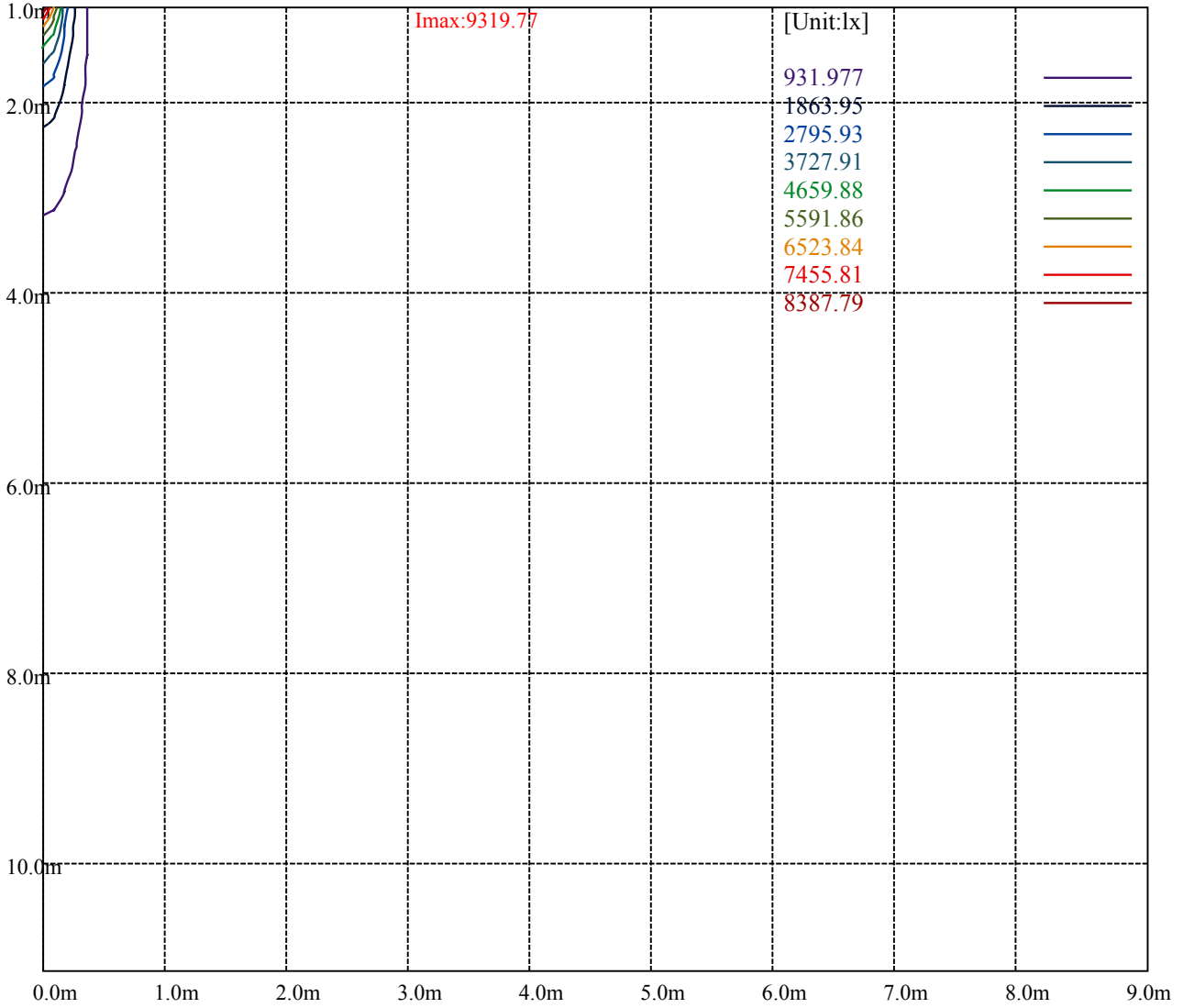
House

[Unit:cd]

Road

Imax:9319.77

(10%Imax)	931.977	—
(20%Imax)	1863.95	—
(30%Imax)	2795.93	—
(40%Imax)	3727.91	—
(50%Imax)	4659.88	—
(60%Imax)	5591.86	—
(70%Imax)	6523.84	—
(80%Imax)	7455.81	—
(90%Imax)	8387.79	—



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

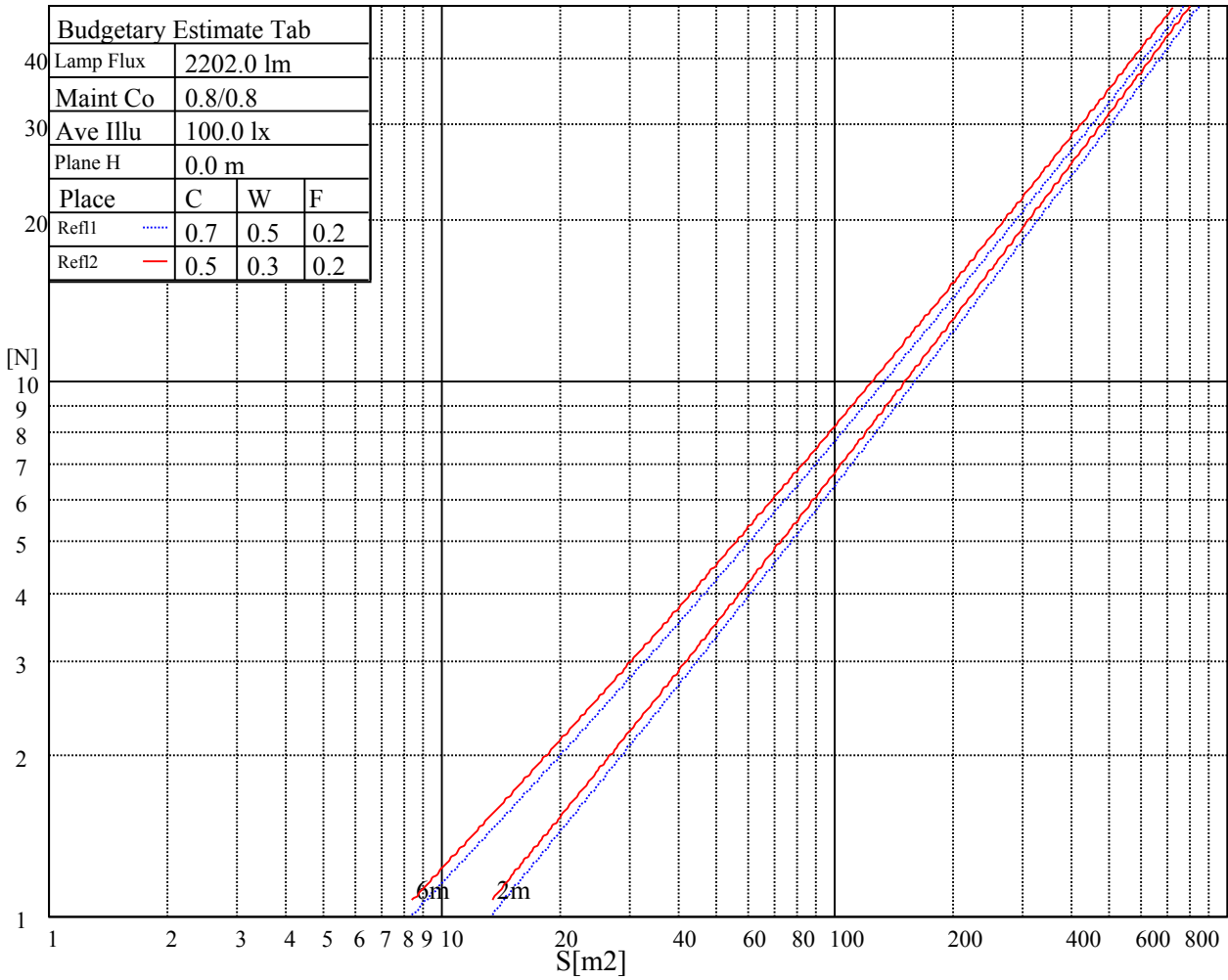
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

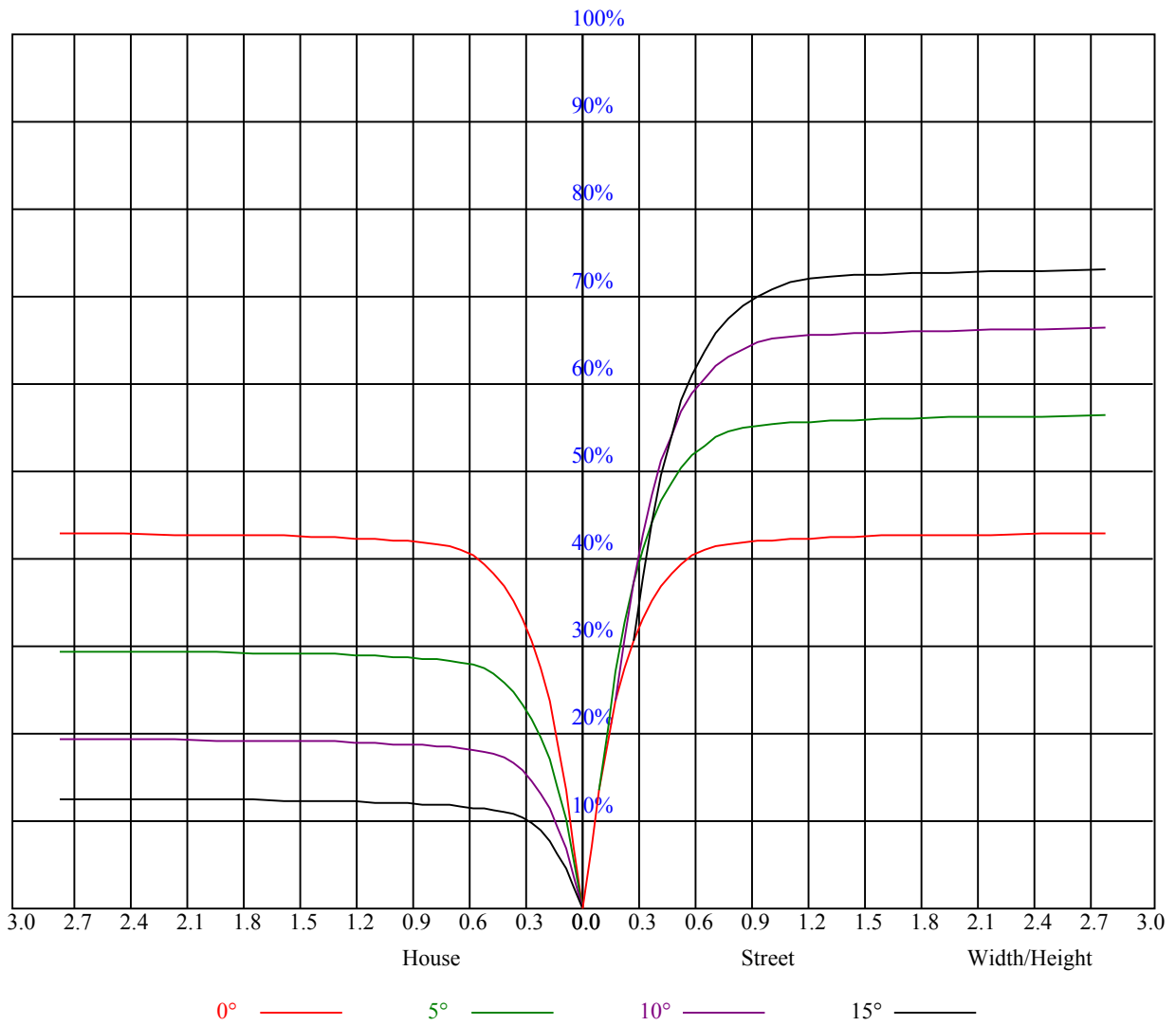


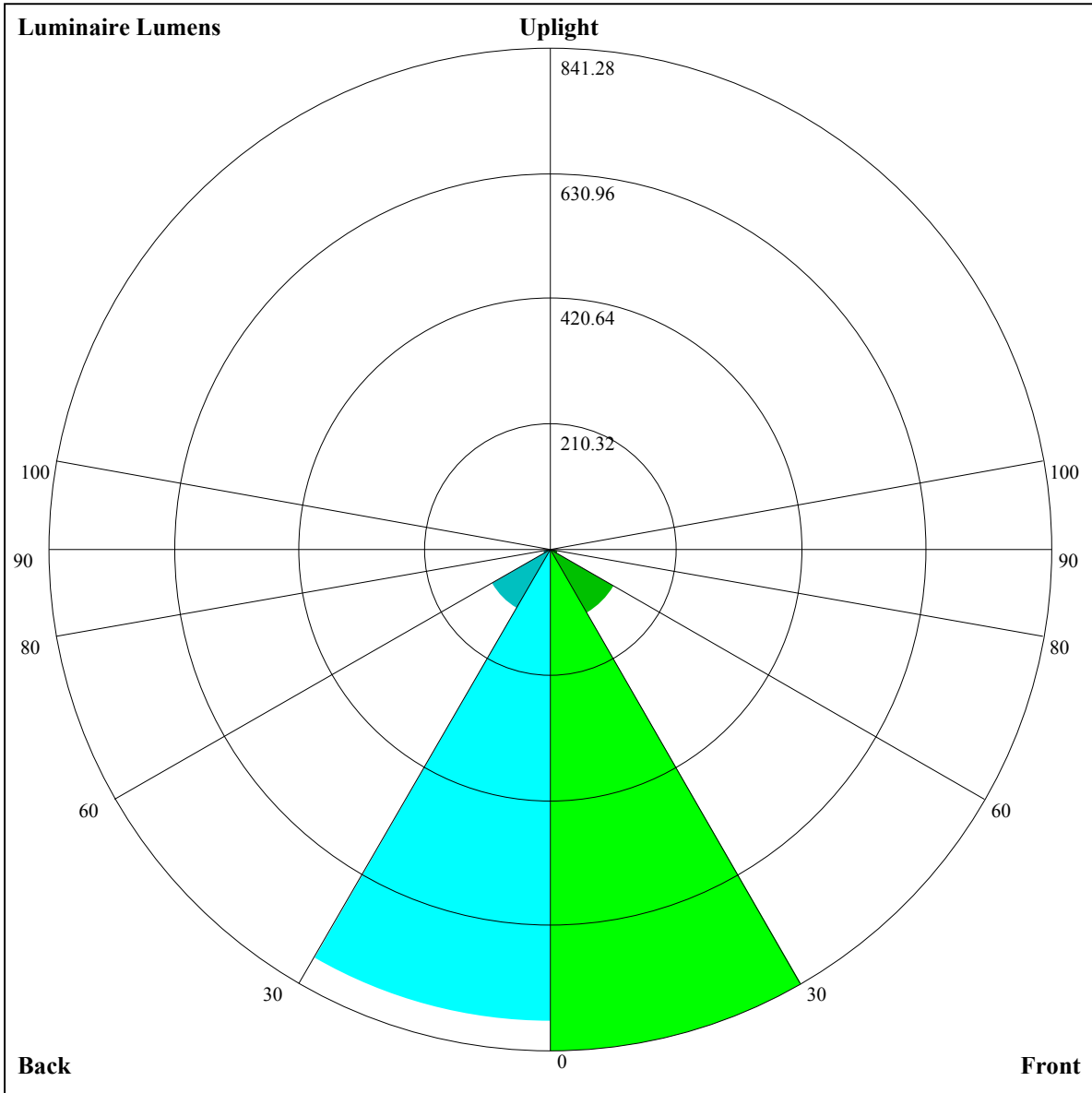
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
12H	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		
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	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.97	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.82
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.82	0.81	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.69	0.67	0.66
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
8	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57





Luminaire Lumens:

FL=841.28,FM=123.13,FH=13.86,FVH=4.77

BL=792.69,BM=113.03,BH=13.64,BVH=4.72

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	9401.11	9313.33	9083.92	8708.79	8073.82	7448.80	6757.65	6024.36	5175.20
45.0	9172.88	9409.31	9402.87	9230.23	8821.15	8355.90	7760.14	6916.83	6189.98
90.0	9395.85	9329.13	9096.80	8731.62	8083.77	7451.73	6568.62	5825.39	5144.19
135.0	9309.23	9359.56	9221.45	8845.15	8392.77	7815.74	6930.29	6158.38	5437.38
180.0	9401.11	9238.42	8947.56	8494.01	7794.09	7089.47	6128.53	5392.32	4769.64
225.0	9172.88	8816.47	8196.72	7569.94	6839.00	6062.40	5198.61	4606.36	4100.14
270.0	9395.85	9241.35	8922.40	8494.60	7794.67	7127.51	6364.38	5463.72	4846.31
315.0	9309.23	9113.18	8653.78	8149.90	7547.12	6838.41	5902.64	5209.15	4484.64
360.0	9401.11	9313.33	9083.92	8708.79	8073.82	7448.80	6757.65	6024.36	5175.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4598.17	4107.17	3595.10	3256.25	2879.95	2615.43	2379.58	2110.97	1920.18
45.0	5499.42	4874.40	4345.35	3801.09	3433.57	3104.09	2810.31	2487.85	2262.54
90.0	4552.52	3949.74	3554.13	3211.77	2902.19	2630.06	2335.11	2122.08	1930.72
135.0	4656.11	4152.23	3723.85	3273.81	2957.20	2674.54	2426.99	2151.35	1954.71
180.0	4251.13	3695.17	3330.57	2999.92	2717.26	2402.41	2200.50	1999.77	1814.84
225.0	3669.42	3217.04	2915.65	2651.71	2355.00	2149.00	1955.30	1734.08	1577.24
270.0	4318.43	3865.47	3382.07	3042.64	2764.66	2454.49	2240.30	1993.92	1809.57
315.0	4008.26	3601.53	3170.22	2877.61	2610.16	2326.91	2117.40	1927.20	1754.56
360.0	4598.17	4107.17	3595.10	3256.25	2879.95	2615.43	2379.58	2110.97	1920.18
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1741.10	1581.92	1435.03	1161.14	1161.14	1063.35	978.91	893.87	841.09
45.0	2007.97	1824.20	1660.93	1476.00	1347.25	1229.03	1128.96	1017.18	939.34
90.0	1717.11	1562.02	1302.18	1159.10	1159.10	1060.54	957.43	890.36	835.88
135.0	1775.63	1619.38	1436.79	1310.38	1200.35	1074.53	989.67	897.21	839.86
180.0	1618.21	1459.02	1289.89	1179.87	1077.46	969.19	896.62	838.69	781.33
225.0	1296.92	1151.72	1151.72	1053.00	949.94	881.93	824.87	778.06	730.24
270.0	1654.49	1499.99	1323.25	1203.87	1092.09	999.04	906.57	845.71	799.48
315.0	1553.25	1409.28	1150.84	1150.84	1059.14	981.25	909.79	854.43	794.62
360.0	1741.10	1581.92	1435.03	1161.14	1161.14	1063.35	978.91	893.87	841.09
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	796.84	750.26	709.41	641.58	575.69	506.63	440.44	351.90	286.29
45.0	876.73	824.64	773.14	733.35	678.33	599.33	533.20	463.56	376.94
90.0	781.28	743.76	702.45	641.17	561.70	496.15	428.68	355.70	273.59
135.0	791.28	752.66	703.50	652.58	590.55	523.83	438.98	371.68	305.55
180.0	745.05	707.60	656.10	577.09	511.55	441.90	372.26	302.62	302.62
225.0	691.68	635.32	571.59	485.85	417.50	349.96	269.85	210.86	147.30
270.0	750.32	711.11	656.68	575.92	512.13	437.22	351.19	310.23	310.23
315.0	755.99	717.31	647.38	581.25	493.99	422.65	352.25	285.47	207.99
360.0	796.84	750.26	709.41	641.58	575.69	506.63	440.44	351.90	286.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	221.62	161.99	103.53	68.88	55.13	51.44	47.40	44.83	42.08
45.0	309.06	309.06	166.73	116.05	77.48	57.76	53.72	50.21	47.29
90.0	209.39	142.27	98.43	66.95	55.89	52.55	49.16	46.53	43.66
135.0	305.55	163.51	115.99	79.82	58.58	52.96	48.98	46.47	44.07
180.0	162.28	106.86	75.79	56.88	53.26	50.45	47.81	44.95	42.90
225.0	106.16	74.67	59.63	54.13	51.27	48.57	45.94	42.31	40.67
270.0	174.98	115.46	79.30	60.45	54.43	50.21	47.34	44.77	41.79
315.0	153.15	107.80	73.27	54.60	51.21	48.52	46.00	43.07	41.26
360.0	221.62	161.99	103.53	68.88	55.13	51.44	47.40	44.83	42.08

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	40.50	39.15	37.22	35.52	34.59	33.83	33.01	32.42	31.89
45.0	44.36	42.25	40.15	38.62	37.16	35.76	34.29	33.18	32.89
90.0	42.19	40.61	38.27	36.52	35.70	35.05	34.29	33.65	32.95
135.0	41.08	39.27	37.92	36.58	35.17	34.29	33.30	32.77	32.83
180.0	41.43	39.91	37.69	36.64	35.99	34.94	34.41	34.12	33.42
225.0	39.09	37.22	36.28	35.46	34.00	33.77	33.65	32.95	32.66
270.0	40.03	38.51	36.34	35.05	34.12	33.07	32.54	32.36	31.95
315.0	39.44	38.16	36.58	35.35	34.59	33.65	33.24	32.95	32.48
360.0	40.50	39.15	37.22	35.52	34.59	33.83	33.01	32.42	31.89
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.49	31.66	31.49	30.67	29.44	28.09	25.81	23.06	21.54
45.0	32.60	32.07	31.78	31.72	31.19	30.31	28.79	26.74	23.70
90.0	32.71	32.60	32.25	31.37	30.08	28.79	26.57	23.53	22.30
135.0	32.30	31.95	32.07	31.66	31.13	29.32	27.51	25.28	22.94
180.0	33.36	33.47	32.71	31.95	30.49	28.73	25.63	23.82	21.83
225.0	32.66	32.42	31.43	29.85	27.62	24.70	22.77	20.83	18.43
270.0	31.54	31.78	31.49	30.67	29.09	27.27	24.87	22.59	20.89
315.0	32.30	32.48	31.84	31.02	29.20	26.92	24.64	22.47	20.13
360.0	31.49	31.66	31.49	30.67	29.44	28.09	25.81	23.06	21.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.90	16.44	14.81	13.28	12.64	12.17	11.82	11.53	11.24
45.0	22.06	20.31	16.97	15.27	13.99	12.82	12.35	12.00	11.65
90.0	20.13	16.97	15.39	13.93	12.99	12.41	12.06	11.70	11.41
135.0	21.01	18.67	16.44	14.46	13.28	12.70	12.23	11.82	11.53
180.0	18.67	16.50	14.69	13.46	12.70	12.29	11.88	11.53	11.29
225.0	15.57	14.10	12.99	12.47	12.11	11.76	11.47	11.24	11.00
270.0	17.56	15.63	14.16	12.87	12.41	12.06	11.76	11.41	11.18
315.0	17.67	15.16	13.81	12.99	12.52	12.06	11.76	11.47	11.29
360.0	18.90	16.44	14.81	13.28	12.64	12.17	11.82	11.53	11.24
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.00	10.83	10.65	10.48	10.36	10.18	10.07	9.89	9.66
45.0	11.35	11.12	10.94	10.71	10.53	10.42	10.30	10.07	9.95
90.0	11.18	10.94	10.77	10.59	10.42	10.30	10.12	9.95	9.71
135.0	11.29	11.00	10.77	10.59	10.42	10.30	10.12	9.95	9.71
180.0	11.00	10.83	10.65	10.48	10.30	10.07	9.89	9.71	9.54
225.0	10.77	10.59	10.42	10.24	10.12	9.89	9.66	9.42	9.19
270.0	10.94	10.77	10.59	10.42	10.30	10.12	9.95	9.77	9.54
315.0	11.00	10.83	10.65	10.48	10.36	10.18	10.01	9.77	9.60
360.0	11.00	10.83	10.65	10.48	10.36	10.18	10.07	9.89	9.66
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.42	9.25	9.01	8.78	8.66	8.49	8.31	8.19	8.13
45.0	9.77	9.54	9.25	9.07	8.84	8.72	8.54	8.37	8.25
90.0	9.48	9.25	9.07	8.90	8.72	8.54	8.43	8.25	8.13
135.0	9.54	9.31	9.07	8.84	8.66	8.54	8.37	8.25	8.13
180.0	9.25	9.07	8.84	8.66	8.49	8.31	8.25	8.08	8.02
225.0	9.07	8.84	8.66	8.49	8.37	8.25	8.13	8.02	8.02
270.0	9.31	9.13	8.90	8.72	8.54	8.43	8.25	8.19	8.08
315.0	9.31	9.07	8.90	8.72	8.54	8.37	8.25	8.13	8.08
360.0	9.42	9.25	9.01	8.78	8.66	8.49	8.31	8.19	8.13

Intensity data(cd)

C/γ(°)	90.0
0.0	8.08
45.0	8.13
90.0	8.08
135.0	8.08
180.0	8.02
225.0	8.02
270.0	8.08
315.0	8.08
360.0	8.08