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NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.411.00

Report No: 2024401-B019

Ballast type: AC

Test No: 2024401-C019

Voltage(V): 35.180

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2224.5

Power (W): 17.062

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1887.50, Efficiency(%): 84.85% , Luminous Efficacy(lm/W): 110.63

Central intensity(cd): 10173.320, Maximum intensity(cd): 10173.320

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=16.2

[C90/270]Total=16.2

Field angle(10%Imax): [C0/180]Total=47.0

[C90/270]Total=47.0

Maximum s/h(1/2): C0\_180=0.28 C90\_270=0.28

Maximum s/h(1/4): C0\_180=0.32 C90\_270=0.32

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.85%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.938%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/01  
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	10173.317	0.000	0	0.00%	0.00%
1.0	10056.784	9.680	9.68	0.44%	0.51%
2.0	9700.017	28.357	38.037	1.27%	2.02%
3.0	9167.974	45.126	83.163	2.03%	4.41%
4.0	8464.972	59.023	142.186	2.65%	7.53%
5.0	7698.254	69.533	211.719	3.13%	11.22%
6.0	6836.218	76.383	288.102	3.43%	15.26%
7.0	5959.185	79.421	367.522	3.57%	19.47%
8.0	5126.995	79.342	446.864	3.57%	23.67%
9.0	4449.744	77.614	524.478	3.49%	27.79%
10.0	3823.333	74.868	599.347	3.37%	31.75%
11.0	3389.901	72.075	671.422	3.24%	35.57%
12.0	2989.022	69.731	741.152	3.13%	39.27%
13.0	2679.219	67.268	808.42	3.02%	42.83%
14.0	2411.112	65.156	873.576	2.93%	46.28%
15.0	2181.412	63.048	936.624	2.83%	49.62%
16.0	1975.120	60.905	997.529	2.74%	52.85%
17.0	1790.993	58.648	1056.178	2.64%	55.96%
18.0	1640.225	56.573	1112.751	2.54%	58.95%
19.0	1481.731	54.316	1167.067	2.44%	61.83%
20.0	1352.557	51.875	1218.942	2.33%	64.58%
21.0	1225.703	49.508	1268.45	2.23%	67.20%
22.0	1158.592	47.913	1316.363	2.15%	69.74%
23.0	1065.439	46.666	1363.029	2.10%	72.21%
24.0	971.649	44.538	1407.567	2.00%	74.57%
25.0	886.228	42.244	1449.811	1.90%	76.81%
26.0	809.096	40.018	1489.83	1.80%	78.93%
27.0	747.201	38.075	1527.905	1.71%	80.95%
28.0	706.484	36.804	1564.709	1.65%	82.90%
29.0	667.149	35.938	1600.647	1.62%	84.80%
30.0	612.965	34.563	1635.21	1.55%	86.63%
31.0	538.473	32.043	1667.253	1.44%	88.33%
32.0	453.235	28.411	1695.664	1.28%	89.84%
33.0	360.089	23.961	1719.625	1.08%	91.11%
34.0	286.453	19.566	1739.191	0.88%	92.14%
35.0	233.556	16.150	1755.341	0.73%	93.00%
36.0	154.990	12.371	1767.712	0.56%	93.65%
37.0	94.455	8.135	1775.848	0.37%	94.08%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	71.975	5.555	1781.403	0.25%	94.38%
39.0	64.828	4.669	1786.072	0.21%	94.63%
40.0	60.344	4.366	1790.438	0.20%	94.86%
41.0	56.072	4.146	1794.583	0.19%	95.08%
42.0	52.136	3.931	1798.515	0.18%	95.29%
43.0	48.208	3.717	1802.232	0.17%	95.48%
44.0	45.055	3.520	1805.752	0.16%	95.67%
45.0	42.107	3.350	1809.102	0.15%	95.85%
46.0	39.437	3.189	1812.291	0.14%	96.02%
47.0	37.111	3.044	1815.335	0.14%	96.18%
48.0	35.143	2.921	1818.256	0.13%	96.33%
49.0	33.482	2.818	1821.074	0.13%	96.48%
50.0	32.048	2.732	1823.806	0.12%	96.63%
51.0	30.871	2.662	1826.468	0.12%	96.77%
52.0	29.993	2.612	1829.08	0.12%	96.90%
53.0	29.181	2.574	1831.654	0.12%	97.04%
54.0	28.486	2.542	1834.196	0.11%	97.18%
55.0	27.864	2.515	1836.711	0.11%	97.31%
56.0	27.154	2.486	1839.197	0.11%	97.44%
57.0	26.335	2.446	1841.643	0.11%	97.57%
58.0	25.362	2.391	1844.033	0.11%	97.70%
59.0	24.243	2.319	1846.353	0.10%	97.82%
60.0	23.065	2.235	1848.588	0.10%	97.94%
61.0	21.763	2.139	1850.727	0.10%	98.05%
62.0	20.380	2.031	1852.758	0.09%	98.16%
63.0	18.932	1.912	1854.67	0.09%	98.26%
64.0	17.681	1.797	1856.466	0.08%	98.36%
65.0	16.518	1.692	1858.159	0.08%	98.45%
66.0	15.457	1.595	1859.754	0.07%	98.53%
67.0	14.587	1.511	1861.265	0.07%	98.61%
68.0	13.870	1.442	1862.706	0.06%	98.69%
69.0	13.270	1.385	1864.091	0.06%	98.76%
70.0	12.860	1.342	1865.433	0.06%	98.83%
71.0	12.465	1.309	1866.742	0.06%	98.90%
72.0	12.165	1.281	1868.022	0.06%	98.97%
73.0	11.917	1.259	1869.282	0.06%	99.03%
74.0	11.756	1.245	1870.526	0.06%	99.10%
75.0	11.609	1.235	1871.761	0.06%	99.17%

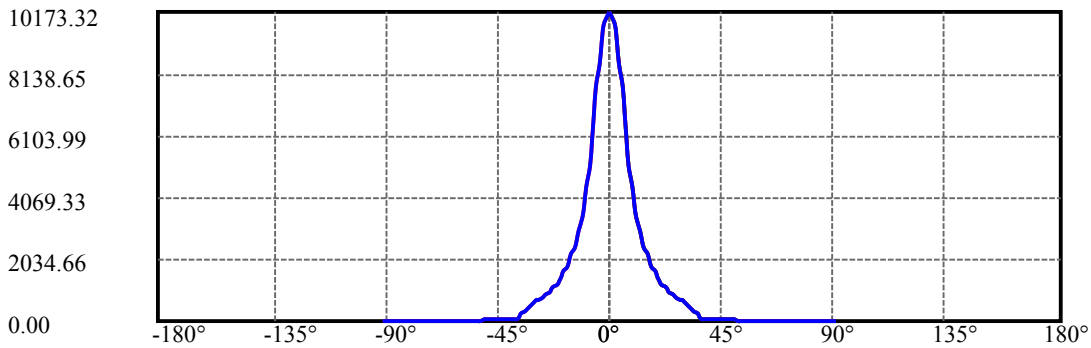
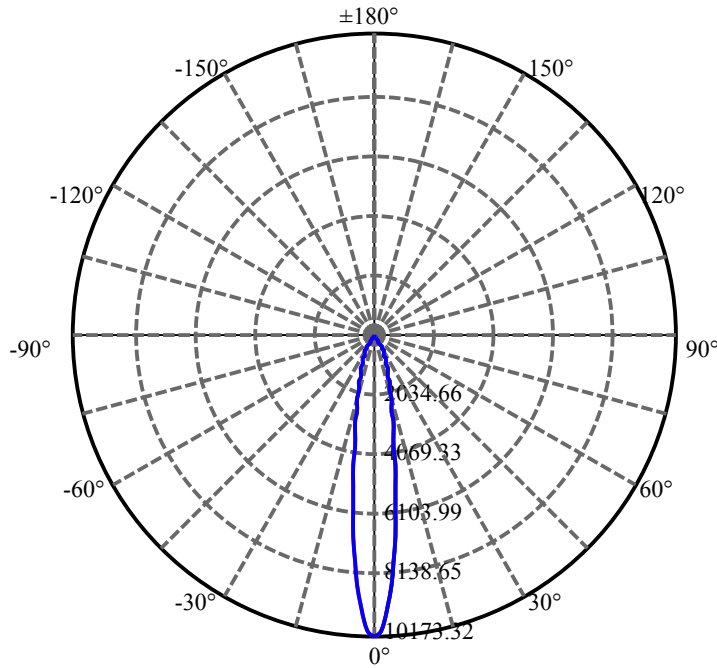
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.470	1.225	1872.986	0.06%	99.23%
77.0	11.368	1.218	1874.204	0.05%	99.30%
78.0	11.127	1.204	1875.408	0.05%	99.36%
79.0	10.907	1.184	1876.592	0.05%	99.42%
80.0	10.658	1.163	1877.754	0.05%	99.48%
81.0	10.102	1.123	1878.877	0.05%	99.54%
82.0	9.546	1.066	1879.942	0.05%	99.60%
83.0	9.239	1.021	1880.964	0.05%	99.65%
84.0	8.991	0.993	1881.957	0.04%	99.71%
85.0	8.793	0.971	1882.927	0.04%	99.76%
86.0	8.574	0.949	1883.877	0.04%	99.81%
87.0	8.383	0.928	1884.805	0.04%	99.86%
88.0	8.244	0.911	1885.716	0.04%	99.91%
89.0	8.142	0.898	1886.614	0.04%	99.95%
90.0	8.083	0.890	1887.503	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1635.21	73.51%	86.63%
0-40	1790.44	80.49%	94.86%
0-60	1848.59	83.10%	97.94%
0-90	1886.61	84.81%	99.95%
0-120	1886.61	84.81%	99.95%
0-180	1887.50	84.85%	100.00%
60-90	38.03	1.71%	2.01%
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%
0-26.53	1510.00	67.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	599.35
10-20	619.60
20-30	416.27
30-40	155.23
40-50	33.37
50-60	24.78
60-70	16.85
70-80	12.32
80-90	8.86
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: —————

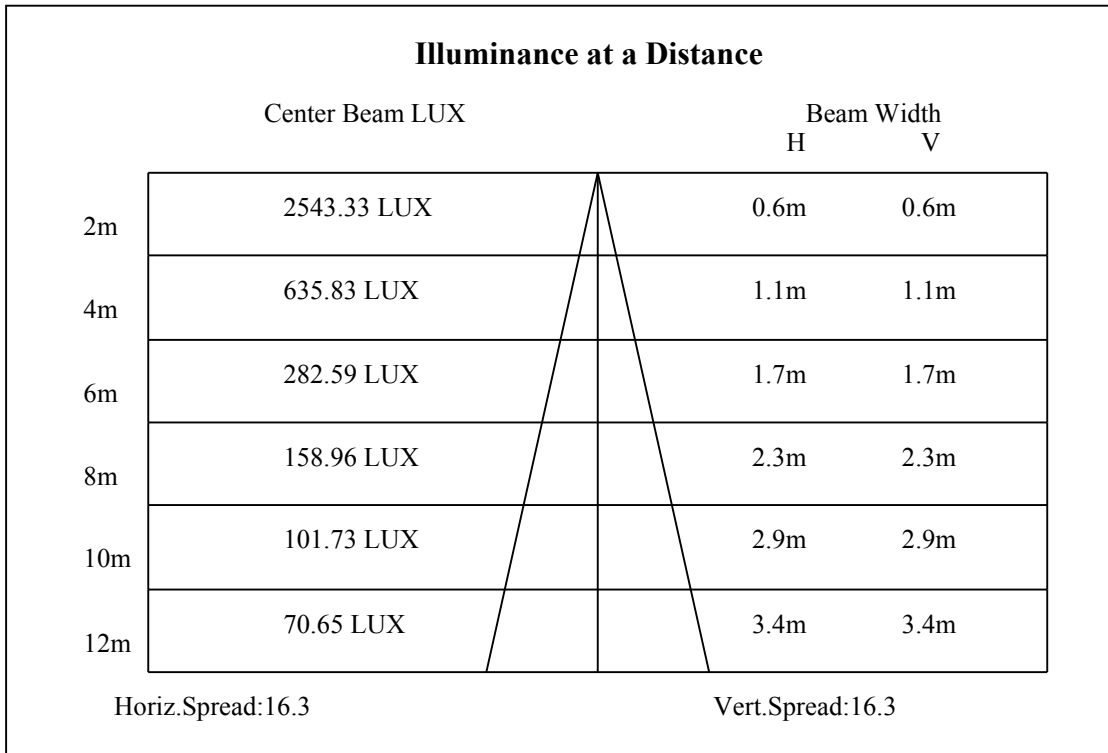
C90/C270: —————

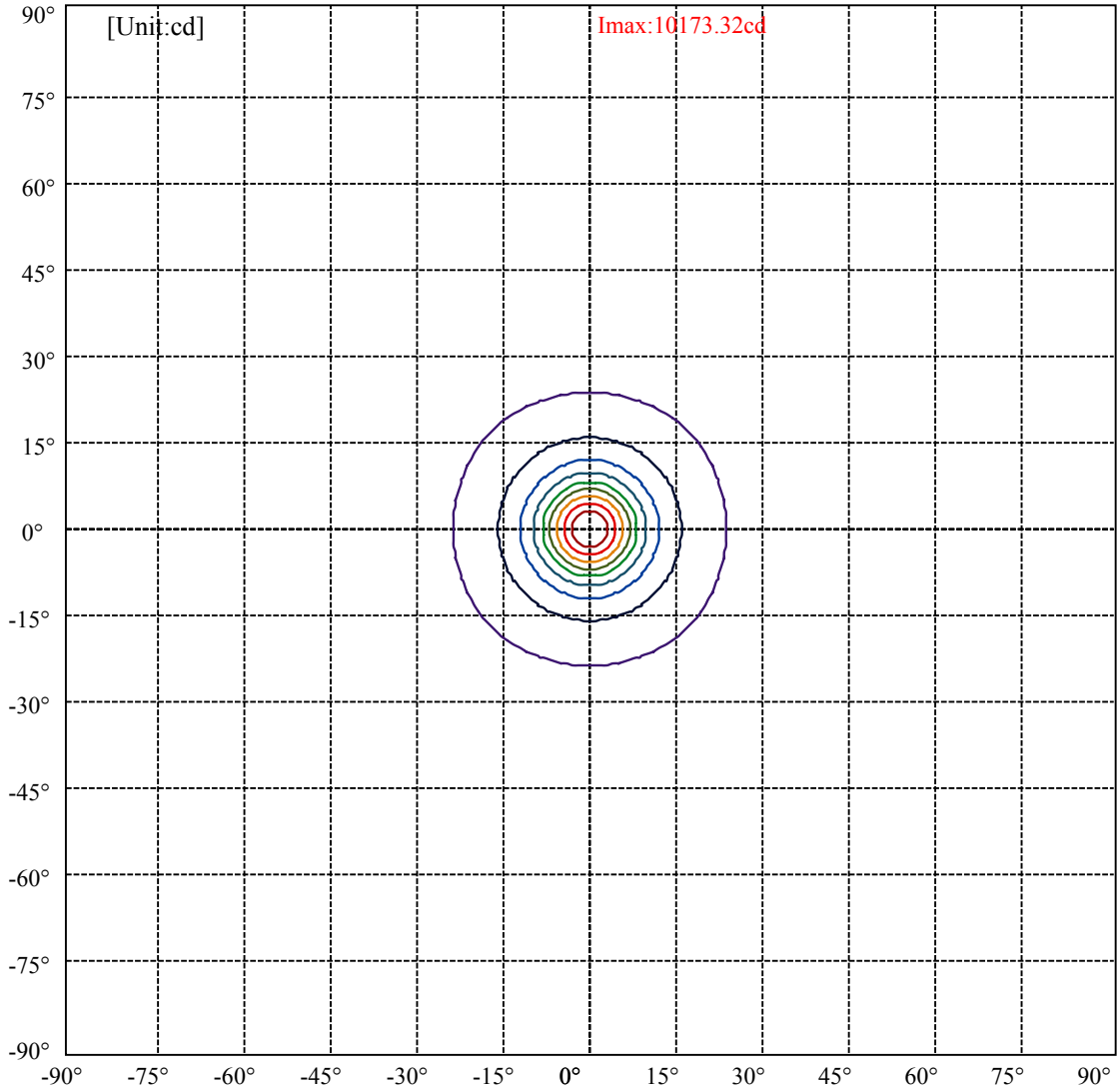
Field angle(10%Imax):C0/180Left:23.5 Right:23.5

:C90/270Left:23.5 Right:23.5

Beam Angle(50%Imax):C0/180Left:8.1 Right:8.1

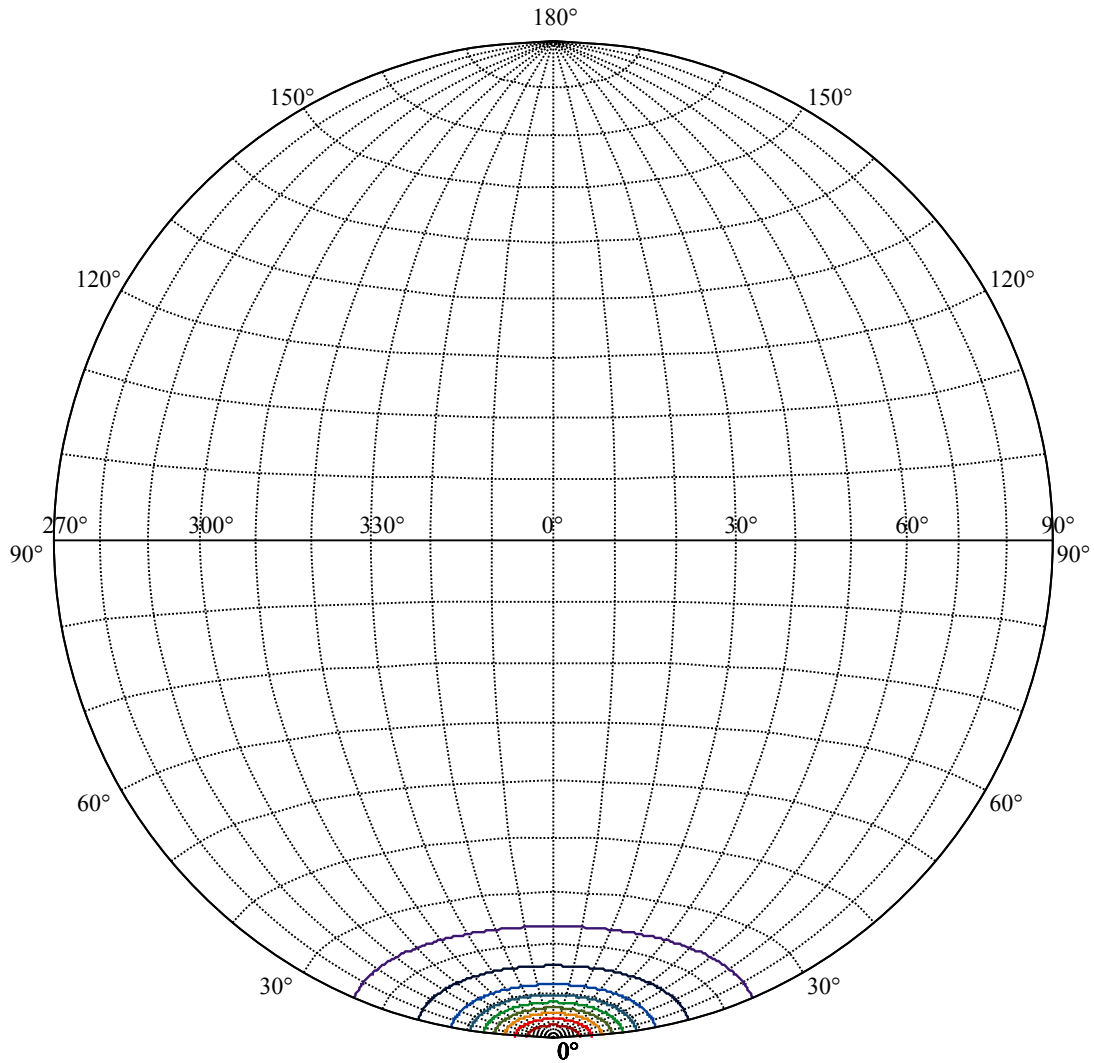
:C90/270Left:8.1 Right:8.1





(10%Imax) 1017.33	—
(20%Imax) 2034.66	—
(30%Imax) 3052	—
(40%Imax) 4069.33	—
(50%Imax) 5086.66	—
(60%Imax) 6103.99	—
(70%Imax) 7121.32	—
(80%Imax) 8138.65	—
(90%Imax) 9155.99	—





House

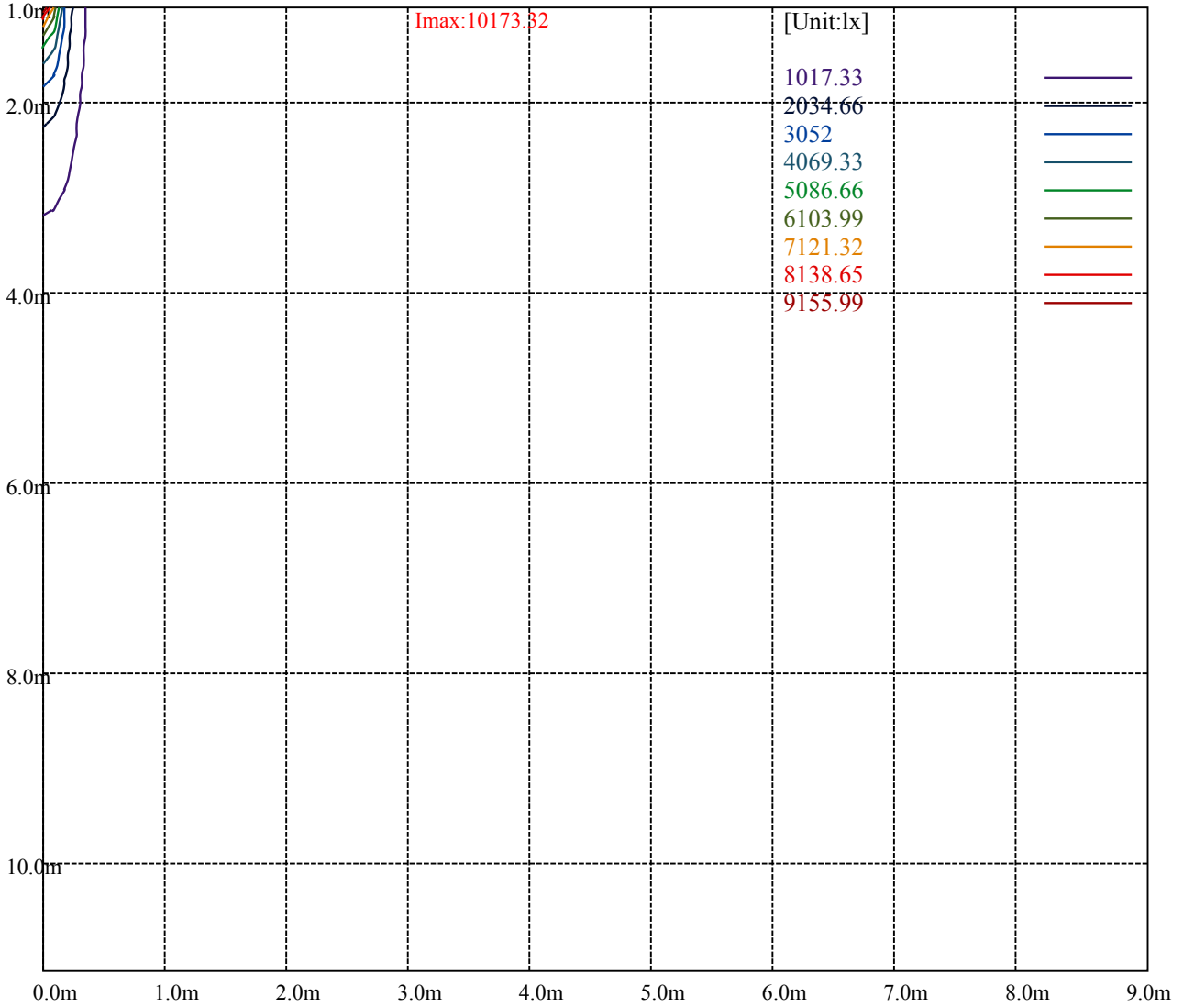
[Unit:cd]

Road

**Imax:10173.32**

(10%Imax) 1017.33	—
(20%Imax) 2034.66	—
(30%Imax) 3052	—
(40%Imax) 4069.33	—
(50%Imax) 5086.66	—
(60%Imax) 6103.99	—
(70%Imax) 7121.32	—
(80%Imax) 8138.65	—
(90%Imax) 9155.99	—





Luminance Table

$\gamma$	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

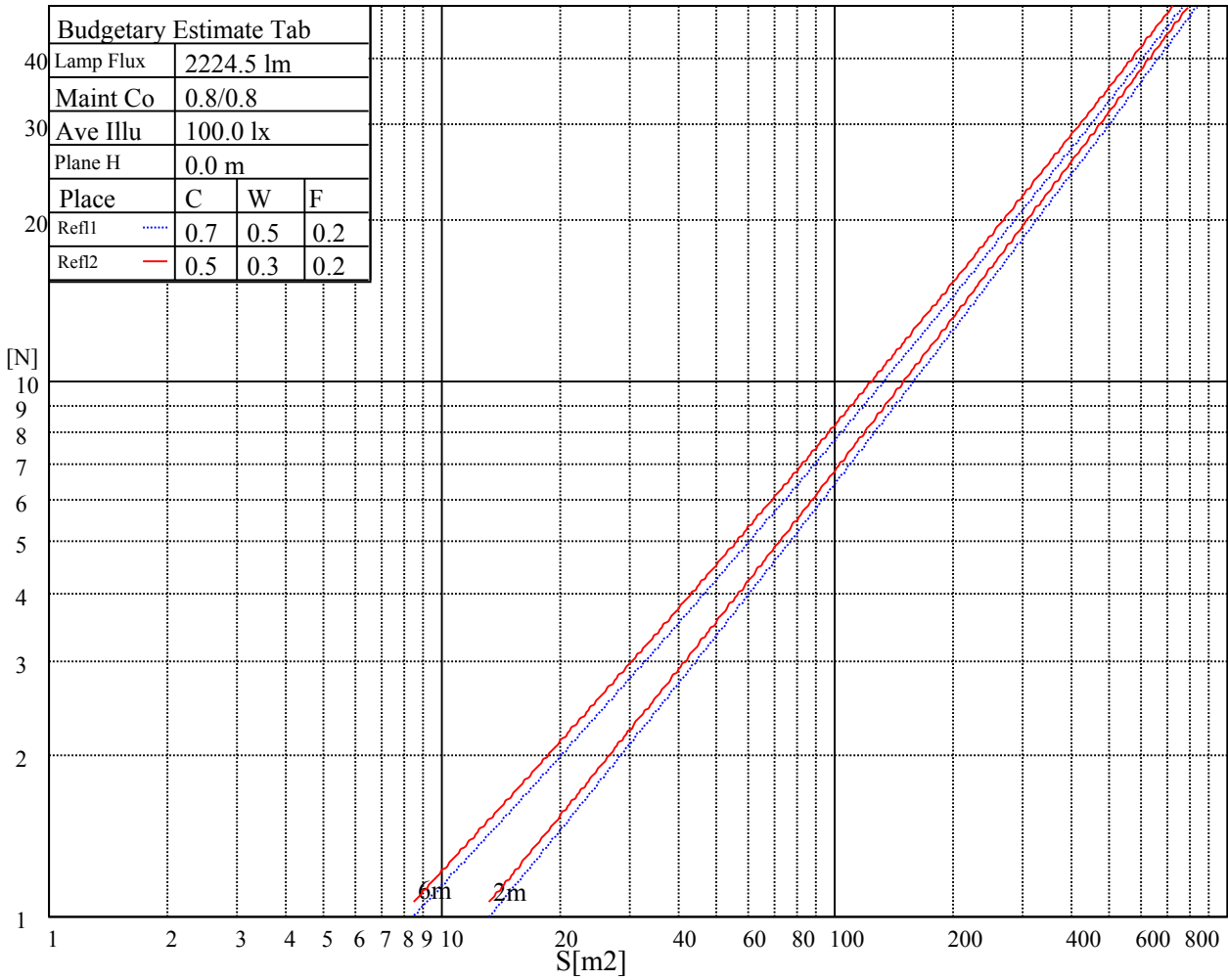
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

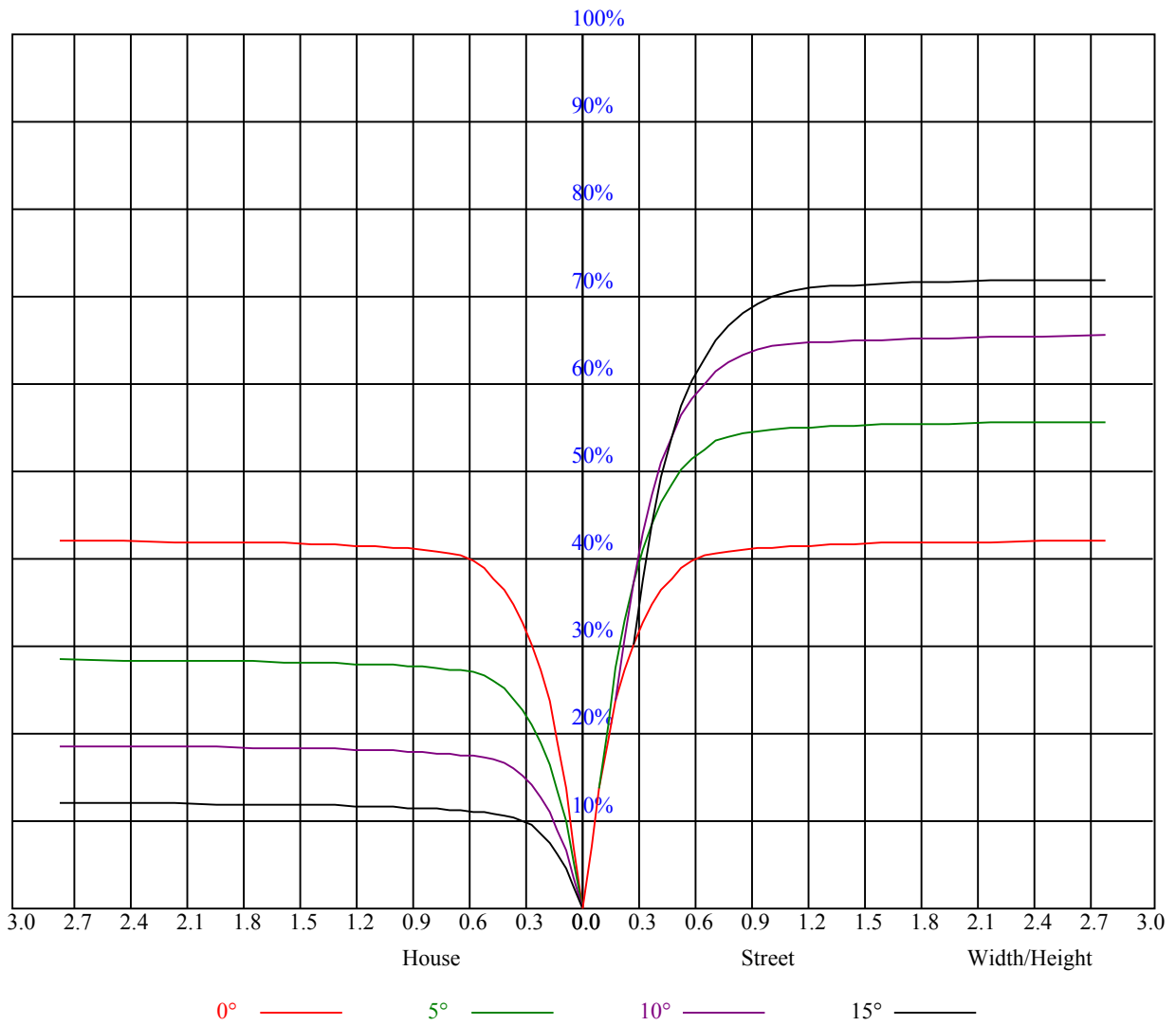


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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				

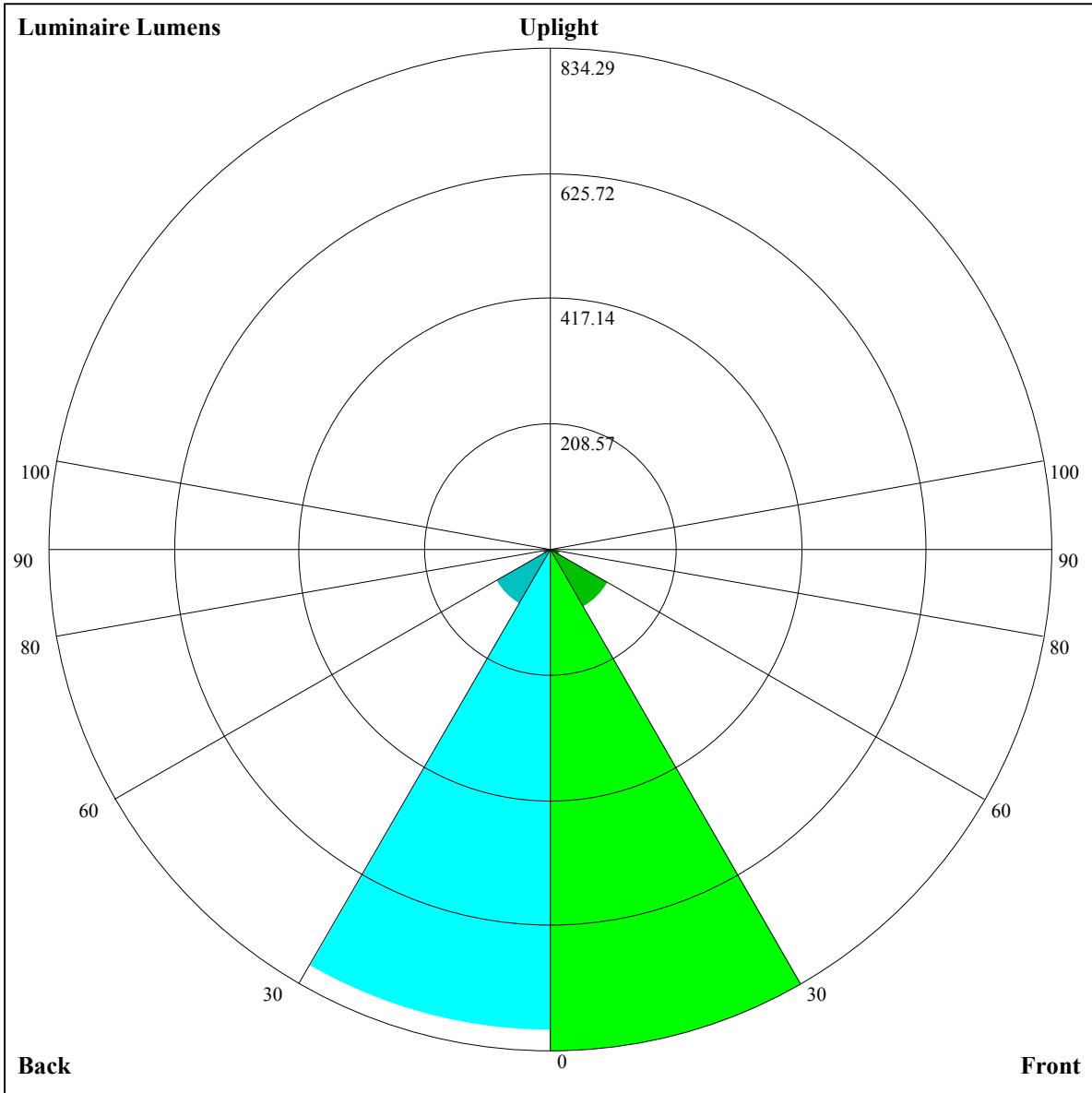
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
8	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56







Luminaire Lumens:

FL=834.29,FM=111.79,FH=14.98,FVH=4.95

BL=801.29,BM=105.76,BH=14.24,BVH=4.84

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	10261.39	10166.00	9851.74	9351.95	8542.59	7781.80	6999.35	5993.35	5224.36
45.0	10029.64	10262.56	10267.25	10000.97	9553.27	8944.64	8040.46	7249.83	6244.99
90.0	10249.10	10156.05	9849.98	9243.69	8606.38	7859.63	6863.58	6045.43	5258.89
135.0	10153.13	10191.17	10019.11	9521.67	8943.47	8257.58	7474.55	6466.21	5654.50
180.0	10261.39	10091.09	9711.87	9182.82	8344.20	7586.33	6789.84	5959.40	4984.42
225.0	10029.64	9610.04	8865.05	8154.58	7384.43	6569.79	5557.36	4802.41	4170.96
270.0	10249.10	10068.85	9694.90	9155.90	8325.47	7562.34	6762.92	5940.68	4969.79
315.0	10153.13	9908.50	9340.25	8732.20	8019.98	7023.93	6201.69	5216.17	4508.05
360.0	10261.39	10166.00	9851.74	9351.95	8542.59	7781.80	6999.35	5993.35	5224.36
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4529.70	3836.79	3414.85	3059.61	2697.36	2451.57	2231.52	2036.64	1823.03
45.0	5463.72	4739.80	4129.99	3534.23	3165.54	2847.18	2572.71	2279.51	2077.02
90.0	4546.09	3838.55	3403.14	3035.62	2733.06	2408.26	2189.97	1948.86	1784.41
135.0	4903.07	4120.63	3626.11	3149.15	2824.94	2556.91	2314.62	2058.29	1881.56
180.0	4322.53	3667.08	3257.42	2916.23	2564.51	2320.48	2112.14	1938.91	1727.64
225.0	3559.98	3180.17	2857.13	2514.77	2289.46	2084.04	1864.00	1710.67	1568.46
270.0	4328.97	3799.34	3375.64	2944.33	2654.64	2398.31	2130.86	1961.15	1753.39
315.0	3943.89	3404.31	3054.93	2758.22	2504.24	2222.16	2035.47	1866.93	1712.43
360.0	4529.70	3836.79	3414.85	3059.61	2697.36	2451.57	2231.52	2036.64	1823.03
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1672.63	1540.37	1419.23	1165.42	1165.42	1076.35	988.91	903.70	821.36
45.0	1897.94	1704.23	1566.71	1447.32	1312.72	1213.82	1104.38	1019.52	931.74
90.0	1641.03	1481.85	1371.24	1150.32	1150.32	1062.94	976.16	891.06	810.13
135.0	1723.55	1588.94	1437.96	1330.86	1236.64	1124.86	1036.49	949.88	841.61
180.0	1584.26	1460.78	1343.74	1219.08	1132.47	1048.78	948.71	867.36	791.87
225.0	1442.05	1157.28	1157.28	1112.86	1030.99	932.56	850.98	781.04	733.35
270.0	1619.96	1499.40	1378.85	1234.30	1141.25	1050.54	961.58	852.73	777.82
315.0	1540.37	1420.98	1145.46	1145.46	1098.94	1013.67	905.99	824.52	764.89
360.0	1672.63	1540.37	1419.23	1165.42	1165.42	1076.35	988.91	903.70	821.36
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	749.32	714.09	688.63	635.73	567.49	485.80	399.47	282.90	197.45
45.0	845.71	769.04	728.66	698.82	663.12	584.70	504.52	420.84	328.95
90.0	742.30	705.31	682.31	628.77	561.87	481.41	393.97	285.88	202.90
135.0	773.14	728.08	690.04	659.02	598.74	522.66	417.91	331.30	310.81
180.0	733.35	699.40	660.19	597.57	519.15	428.44	319.59	299.11	299.11
225.0	685.24	654.05	572.29	489.37	401.23	290.39	214.13	149.06	92.52
270.0	732.17	694.72	669.56	618.06	523.83	445.41	330.71	304.38	304.38
315.0	716.37	687.17	645.50	576.39	472.34	387.07	300.40	218.17	132.32
360.0	749.32	714.09	688.63	635.73	567.49	485.80	399.47	282.90	197.45
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	130.15	84.68	69.23	63.97	59.11	55.71	51.97	48.34	45.30
45.0	307.89	205.06	92.88	72.39	66.54	61.68	57.00	52.96	49.57
90.0	120.73	80.82	71.51	64.67	60.69	56.94	52.79	48.52	45.24
135.0	310.81	95.10	74.38	68.53	62.27	58.52	54.48	49.80	46.41
180.0	103.41	73.56	68.47	63.79	59.87	54.89	50.74	47.34	43.72
225.0	75.32	69.52	64.43	59.40	55.36	51.27	47.64	43.77	40.85
270.0	105.22	75.61	69.70	64.84	61.10	56.30	52.32	48.81	45.82
315.0	86.38	71.28	65.19	61.04	57.82	53.26	50.15	46.12	43.54
360.0	130.15	84.68	69.23	63.97	59.11	55.71	51.97	48.34	45.30

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	42.72	40.20	37.40	35.58	33.94	32.71	31.31	30.49	29.73
45.0	45.53	42.84	40.20	37.98	35.41	33.71	32.36	31.13	30.02
90.0	42.55	39.91	37.10	35.35	33.59	32.01	30.78	30.08	29.09
135.0	43.54	40.15	37.92	35.93	34.24	32.36	31.19	30.26	29.44
180.0	40.67	37.86	35.82	34.18	32.60	31.08	30.08	29.32	28.56
225.0	38.51	35.82	34.12	32.19	31.08	29.90	29.26	28.27	27.80
270.0	42.25	39.91	37.51	35.23	33.59	32.42	30.96	30.20	29.32
315.0	41.08	38.80	36.81	34.70	33.42	32.19	31.02	30.20	29.50
360.0	42.72	40.20	37.40	35.58	33.94	32.71	31.31	30.49	29.73
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.26	28.56	28.09	27.10	26.51	25.34	23.99	22.65	21.19
45.0	29.32	28.68	28.03	27.56	26.57	25.93	24.93	23.76	22.36
90.0	28.44	27.80	27.15	26.39	25.57	24.11	23.17	21.89	20.60
135.0	28.56	27.97	27.27	26.57	25.57	24.64	23.47	22.41	20.89
180.0	27.86	27.10	26.63	25.75	24.76	23.53	22.36	20.83	19.84
225.0	27.10	26.51	25.46	24.64	23.41	22.18	20.78	19.66	17.85
270.0	28.50	27.92	27.21	26.28	25.28	24.05	23.17	21.65	20.25
315.0	28.85	28.38	27.39	26.39	25.22	24.17	22.65	21.24	20.07
360.0	29.26	28.56	28.09	27.10	26.51	25.34	23.99	22.65	21.19
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.55	18.20	17.21	15.92	14.98	14.16	13.64	13.17	12.70
45.0	20.89	19.78	18.20	16.91	15.80	15.04	14.05	13.52	13.05
90.0	19.37	17.73	16.74	15.39	14.69	13.93	13.28	12.87	12.47
135.0	19.55	18.08	17.15	15.92	15.16	14.16	13.40	12.99	12.52
180.0	17.91	17.03	15.80	14.92	13.93	13.28	12.82	12.41	12.06
225.0	16.91	15.68	14.69	13.87	13.28	12.70	12.35	12.06	11.76
270.0	18.79	17.67	16.27	15.39	14.40	13.75	13.28	12.87	12.47
315.0	18.49	17.26	16.09	15.33	14.46	13.93	13.34	12.99	12.70
360.0	19.55	18.20	17.21	15.92	14.98	14.16	13.64	13.17	12.70
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.41	12.06	11.76	11.53	11.18	10.94	10.77	10.53	10.59
45.0	12.52	12.17	11.82	11.59	11.29	11.06	10.77	10.53	10.30
90.0	12.11	11.82	11.59	11.35	11.00	10.77	10.53	10.36	10.24
135.0	12.23	11.88	11.65	11.47	11.18	10.94	10.71	10.53	10.77
180.0	11.82	11.53	11.24	11.00	10.77	10.42	10.24	9.95	9.77
225.0	11.47	11.18	10.94	10.65	10.48	10.24	10.01	9.77	9.54
270.0	12.23	12.00	11.76	11.65	11.82	11.82	11.65	11.47	11.00
315.0	12.52	12.70	13.28	13.64	14.05	14.75	14.34	14.10	13.05
360.0	12.41	12.06	11.76	11.53	11.18	10.94	10.77	10.53	10.59
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	9.60	9.36	9.07	8.90	8.66	8.49	8.31	8.19
45.0	10.07	9.77	9.54	9.25	9.01	8.84	8.60	8.43	8.31
90.0	9.89	9.60	9.25	9.01	8.78	8.60	8.49	8.31	8.19
135.0	10.42	9.77	9.36	9.01	8.90	8.66	8.49	8.31	8.19
180.0	9.54	9.25	9.07	8.90	8.66	8.49	8.25	8.13	8.02
225.0	9.31	9.07	8.90	8.66	8.49	8.25	8.13	8.08	8.08
270.0	10.30	9.89	9.25	9.07	8.84	8.54	8.31	8.19	8.08
315.0	10.94	9.42	9.19	8.95	8.78	8.54	8.31	8.19	8.08
360.0	10.36	9.60	9.36	9.07	8.90	8.66	8.49	8.31	8.19

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	8.19
90.0	8.08
135.0	8.08
180.0	8.02
225.0	8.02
270.0	8.13
315.0	8.13
360.0	8.02