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NT

LumCAT: 2-2641-L
Luminaire: 92.70.411.00
LampCAT: LUMILEDS LUXEON 1208
Ballast type: AC
Report No: 20231026-B017
Test No: 20231026-C017
Number of Lamps: 1
Lamp flux(lm): 2763.9
Length(mm): 0
Phm Type: C
Voltage(V): 34.4000
Current(A): 0.5760
Power (W): 19.8140
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2528.04, Efficiency(%): 91.47% , Luminous Efficacy(lm/W): 127.59
Central intensity(cd): 5564.697, Maximum intensity(cd): 5564.697
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=65.4
[C90/270]Total=65.4
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.47%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.995%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5564.697	0.000	0	0.00%	0.00%
1.0	5557.709	5.322	5.322	0.19%	0.21%
2.0	5524.566	15.906	21.228	0.58%	0.84%
3.0	5469.974	26.295	47.524	0.95%	1.88%
4.0	5393.101	36.362	83.886	1.32%	3.32%
5.0	5286.892	45.945	129.83	1.66%	5.14%
6.0	5173.970	54.975	184.805	1.99%	7.31%
7.0	5044.235	63.424	248.229	2.29%	9.82%
8.0	4877.621	71.009	319.238	2.57%	12.63%
9.0	4717.095	77.760	396.998	2.81%	15.70%
10.0	4531.730	83.698	480.697	3.03%	19.01%
11.0	4354.183	88.789	569.485	3.21%	22.53%
12.0	4136.920	92.820	662.305	3.36%	26.20%
13.0	3944.705	95.909	758.214	3.47%	29.99%
14.0	3736.506	98.319	856.532	3.56%	33.88%
15.0	3530.037	99.758	956.291	3.61%	37.83%
16.0	3325.437	100.452	1056.743	3.63%	41.80%
17.0	3096.480	100.007	1156.749	3.62%	45.76%
18.0	2885.168	98.624	1255.374	3.57%	49.66%
19.0	2673.925	96.717	1352.09	3.50%	53.48%
20.0	2456.800	93.907	1445.997	3.40%	57.20%
21.0	2254.206	90.461	1536.458	3.27%	60.78%
22.0	2049.329	86.481	1622.939	3.13%	64.20%
23.0	1875.449	82.352	1705.292	2.98%	67.45%
24.0	1694.374	78.049	1783.341	2.82%	70.54%
25.0	1536.616	73.466	1856.806	2.66%	73.45%
26.0	1291.476	66.757	1923.564	2.42%	76.09%
27.0	1196.973	60.880	1984.444	2.20%	78.50%
28.0	1099.918	58.152	2042.597	2.10%	80.80%
29.0	961.354	53.929	2096.525	1.95%	82.93%
30.0	841.721	48.683	2145.208	1.76%	84.86%
31.0	723.188	43.549	2188.757	1.58%	86.58%
32.0	625.240	38.631	2227.388	1.40%	88.11%
33.0	522.247	33.805	2261.193	1.22%	89.44%
34.0	441.687	29.171	2290.365	1.06%	90.60%
35.0	370.931	25.237	2315.602	0.91%	91.60%
36.0	305.628	21.542	2337.143	0.78%	92.45%
37.0	257.650	18.371	2355.514	0.66%	93.18%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	233.129	16.382	2371.896	0.59%	93.82%
39.0	168.448	13.707	2385.603	0.50%	94.37%
40.0	130.856	10.439	2396.042	0.38%	94.78%
41.0	107.268	8.479	2404.521	0.31%	95.11%
42.0	91.098	7.207	2411.728	0.26%	95.40%
43.0	77.550	6.247	2417.975	0.23%	95.65%
44.0	68.901	5.527	2423.503	0.20%	95.86%
45.0	61.788	5.023	2428.525	0.18%	96.06%
46.0	56.329	4.619	2433.145	0.17%	96.25%
47.0	51.728	4.298	2437.442	0.16%	96.42%
48.0	47.826	4.024	2441.467	0.15%	96.58%
49.0	44.691	3.799	2445.266	0.14%	96.73%
50.0	41.550	3.596	2448.862	0.13%	96.87%
51.0	38.948	3.406	2452.268	0.12%	97.00%
52.0	36.706	3.246	2455.514	0.12%	97.13%
53.0	34.672	3.105	2458.619	0.11%	97.25%
54.0	32.832	2.975	2461.594	0.11%	97.37%
55.0	31.233	2.860	2464.454	0.10%	97.48%
56.0	29.753	2.756	2467.21	0.10%	97.59%
57.0	28.417	2.660	2469.869	0.10%	97.70%
58.0	27.227	2.573	2472.443	0.09%	97.80%
59.0	26.155	2.496	2474.938	0.09%	97.90%
60.0	25.158	2.424	2477.362	0.09%	98.00%
61.0	24.245	2.358	2479.72	0.09%	98.09%
62.0	23.415	2.297	2482.016	0.08%	98.18%
63.0	22.674	2.242	2484.258	0.08%	98.27%
64.0	21.913	2.188	2486.446	0.08%	98.35%
65.0	21.304	2.139	2488.585	0.08%	98.44%
66.0	20.668	2.094	2490.679	0.08%	98.52%
67.0	20.066	2.048	2492.727	0.07%	98.60%
68.0	19.478	2.003	2494.73	0.07%	98.68%
69.0	18.876	1.957	2496.687	0.07%	98.76%
70.0	18.336	1.911	2498.598	0.07%	98.84%
71.0	17.803	1.868	2500.466	0.07%	98.91%
72.0	17.243	1.822	2502.288	0.07%	98.98%
73.0	16.717	1.776	2504.064	0.06%	99.05%
74.0	16.232	1.732	2505.796	0.06%	99.12%
75.0	15.748	1.690	2507.486	0.06%	99.19%

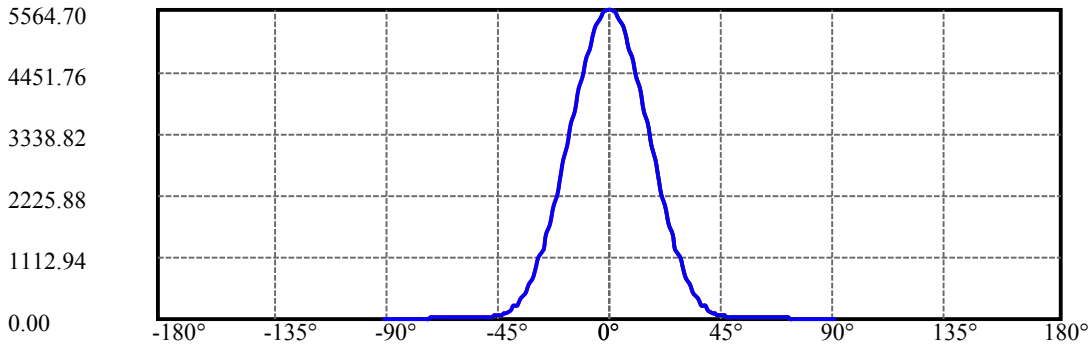
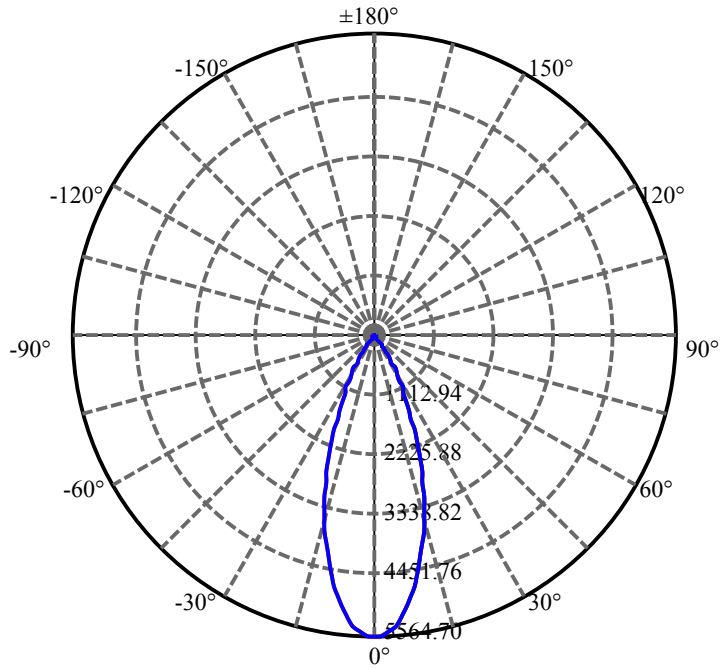
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.243	1.645	2509.131	0.06%	99.25%
77.0	14.800	1.602	2510.733	0.06%	99.32%
78.0	14.323	1.559	2512.292	0.06%	99.38%
79.0	13.887	1.516	2513.807	0.05%	99.44%
80.0	13.458	1.474	2515.282	0.05%	99.50%
81.0	13.022	1.432	2516.713	0.05%	99.55%
82.0	12.614	1.390	2518.104	0.05%	99.61%
83.0	12.226	1.350	2519.454	0.05%	99.66%
84.0	11.894	1.314	2520.768	0.05%	99.71%
85.0	11.597	1.282	2522.05	0.05%	99.76%
86.0	11.327	1.253	2523.303	0.05%	99.81%
87.0	11.057	1.225	2524.528	0.04%	99.86%
88.0	10.794	1.197	2525.725	0.04%	99.91%
89.0	10.538	1.169	2526.894	0.04%	99.95%
90.0	10.427	1.149	2528.044	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2145.21	77.61%	84.86%
0-40	2396.04	86.69%	94.78%
0-60	2477.36	89.63%	98.00%
0-90	2526.89	91.42%	99.95%
0-120	2526.89	91.42%	99.95%
0-180	2528.04	91.47%	100.00%
60-90	49.53	1.79%	1.96%
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%
0-27.65	2022.44	73.17%	80.00%

ZONAL LUMEN SUMMARY

0-10	480.70
10-20	965.30
20-30	699.21
30-40	250.83
40-50	52.82
50-60	28.50
60-70	21.24
70-80	16.68
80-90	11.61
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



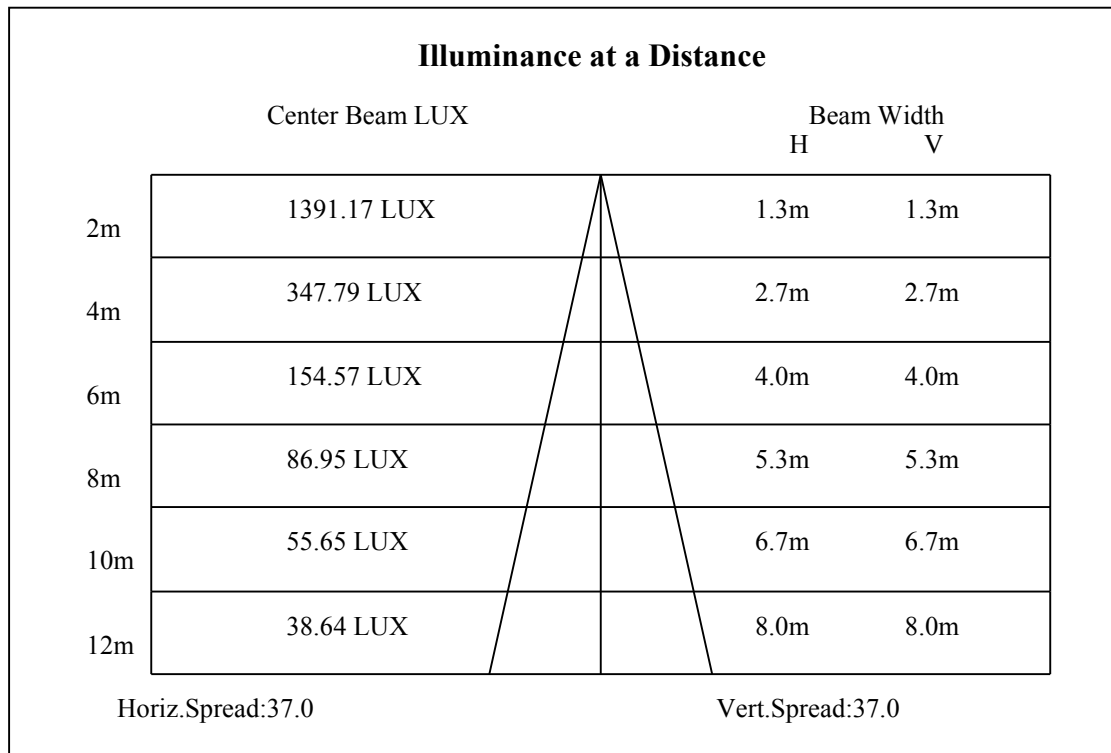
C0(Max): —————

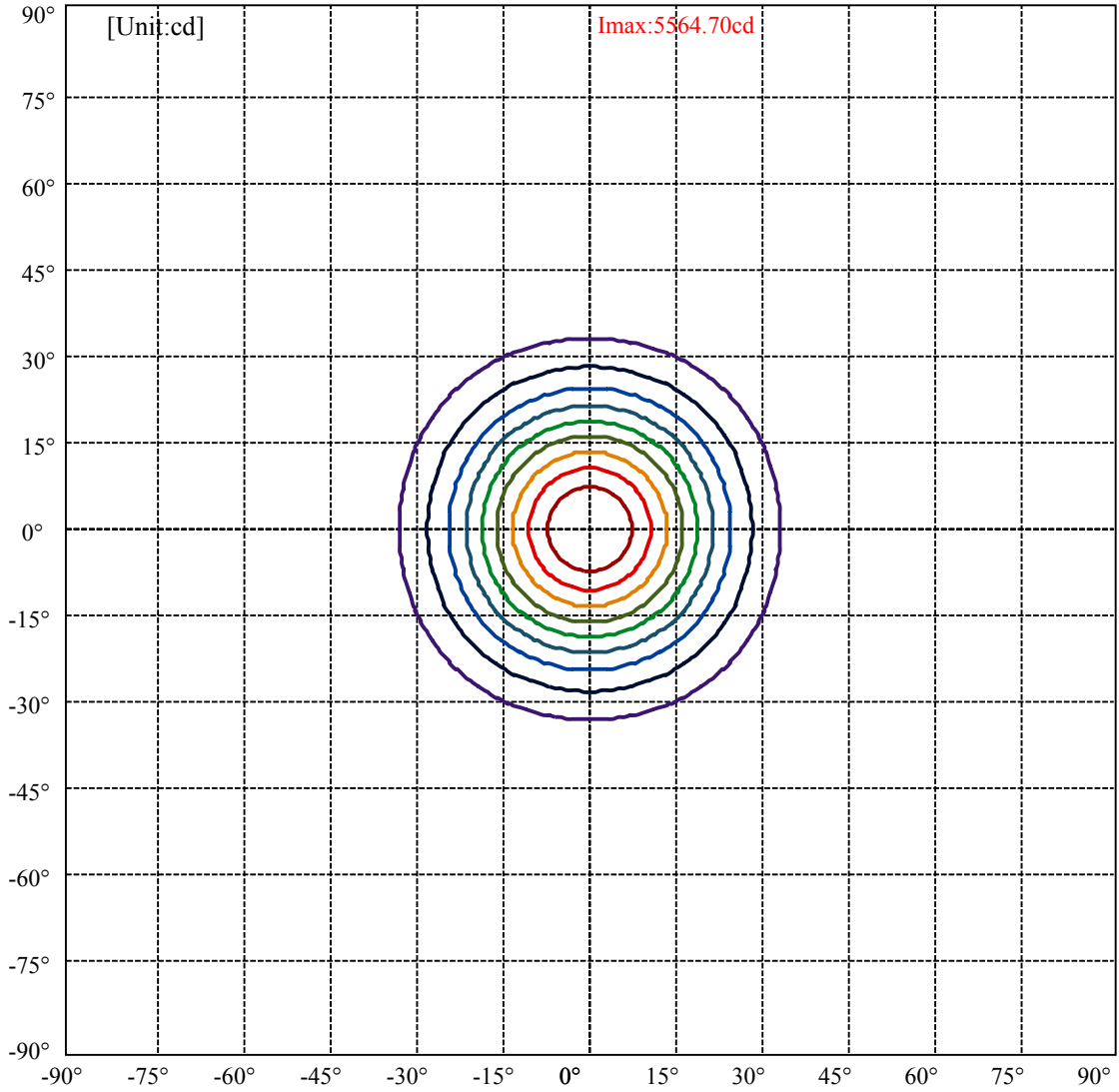
C0/C180: —————

C90/C270: —————

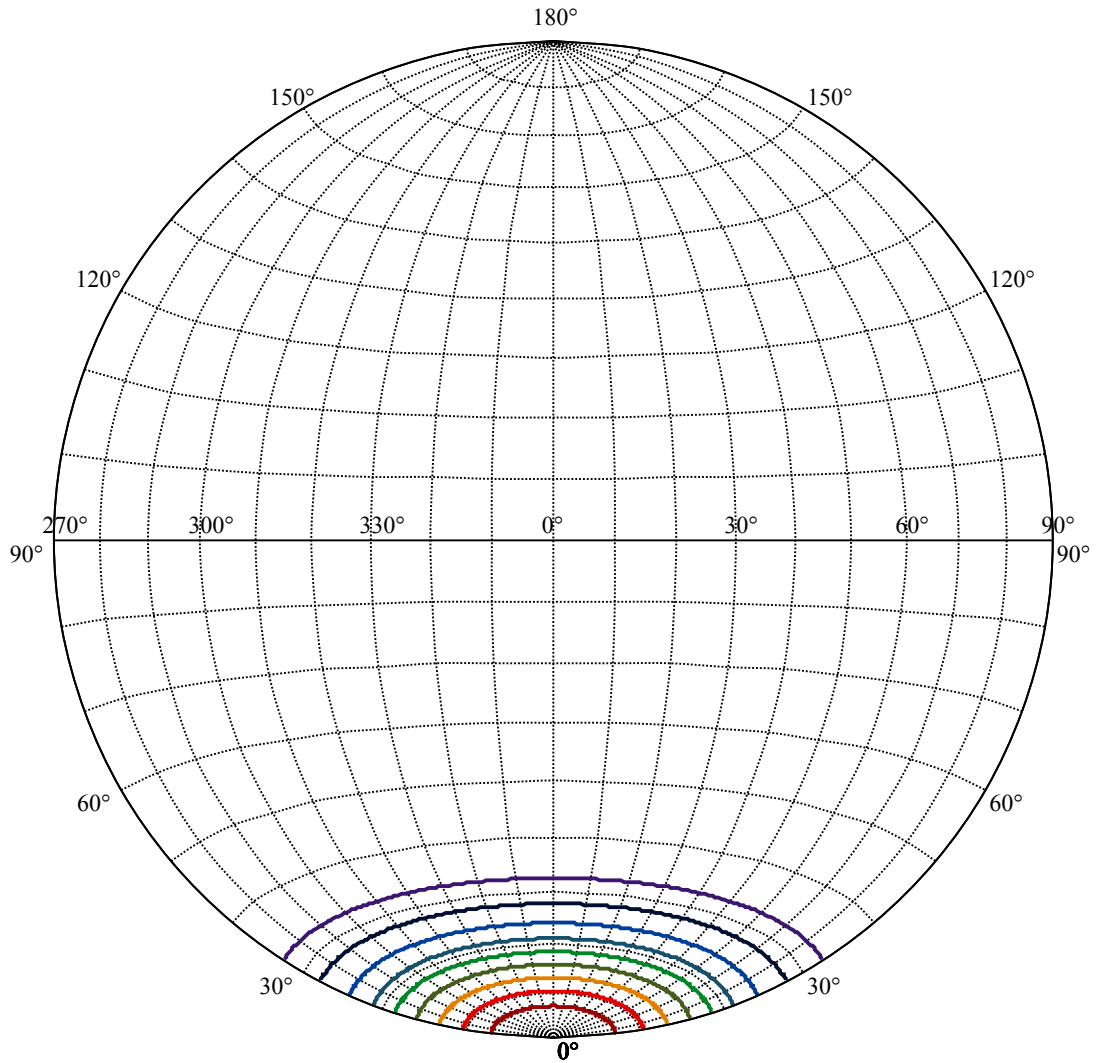
Field angle(10%Imax):C0/180Left:32.7 Right:32.7
:C90/270Left:32.7 Right:32.7

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5





(10%Imax) 556.47	—
(20%Imax) 1112.94	—
(30%Imax) 1669.41	—
(40%Imax) 2225.88	—
(50%Imax) 2782.35	—
(60%Imax) 3338.82	—
(70%Imax) 3895.29	—
(80%Imax) 4451.76	—
(90%Imax) 5008.23	—



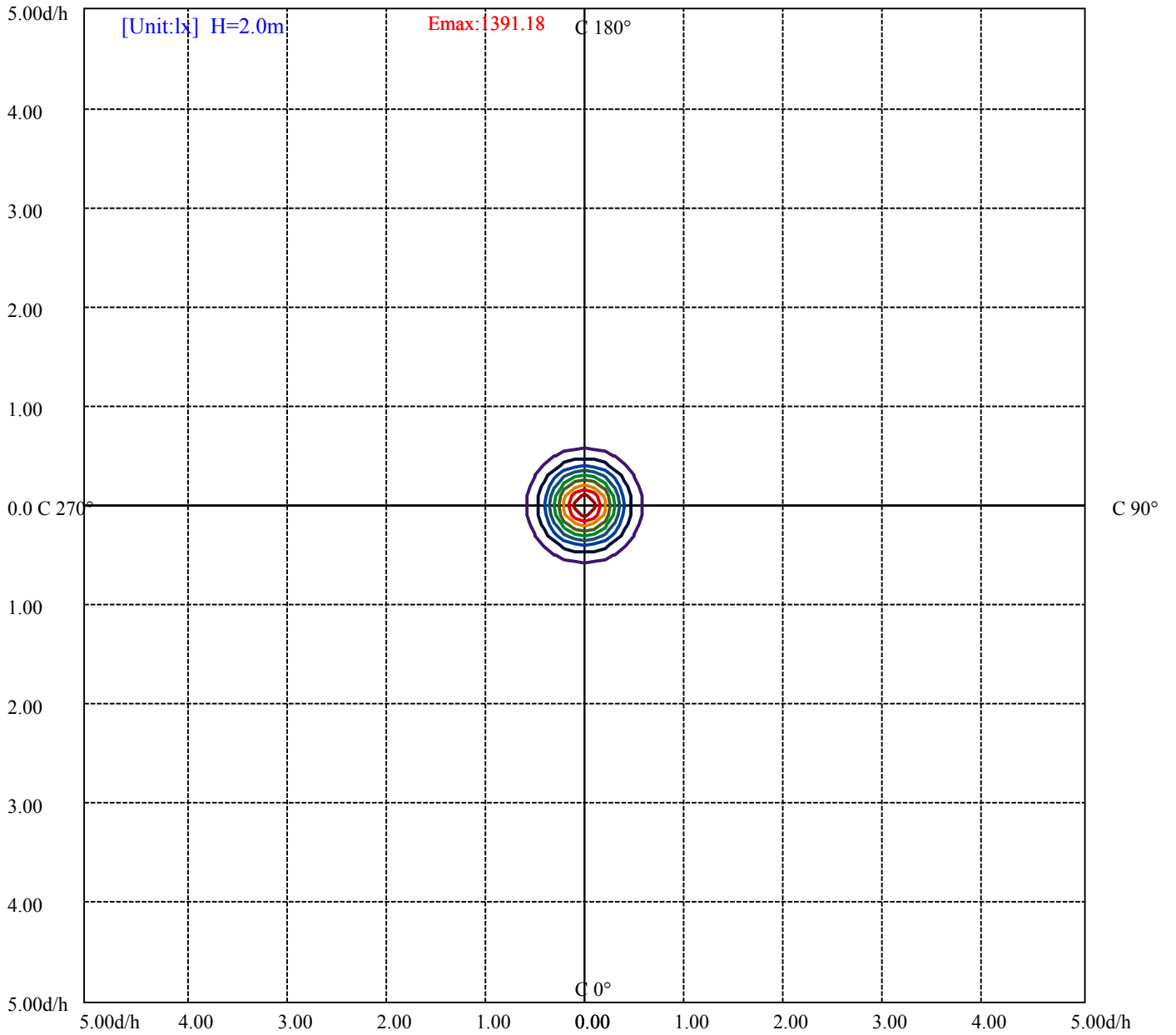
House

[Unit:cd]

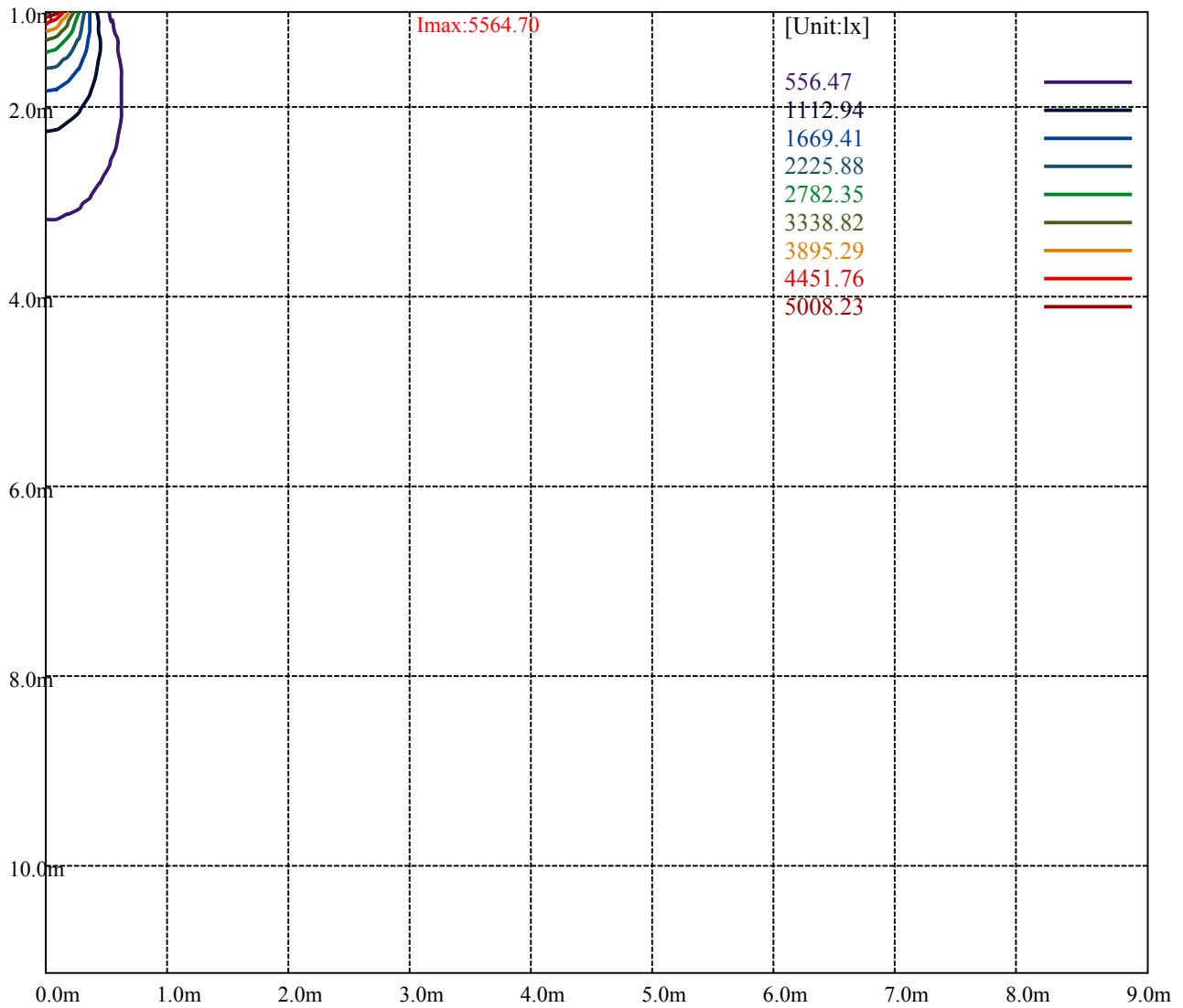
Road

Imax:5564.70

(10%Imax) 556.47	—
(20%Imax) 1112.94	—
(30%Imax) 1669.41	—
(40%Imax) 2225.88	—
(50%Imax) 2782.35	—
(60%Imax) 3338.82	—
(70%Imax) 3895.29	—
(80%Imax) 4451.76	—
(90%Imax) 5008.23	—



(10%Emax) 139.1175	—
(20%Emax) 278.235	—
(30%Emax) 417.3525	—
(40%Emax) 556.47	—
(50%Emax) 695.5875	—
(60%Emax) 834.705	—
(70%Emax) 973.8225	—
(80%Emax) 1112.94	—
(90%Emax) 1252.057	—



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

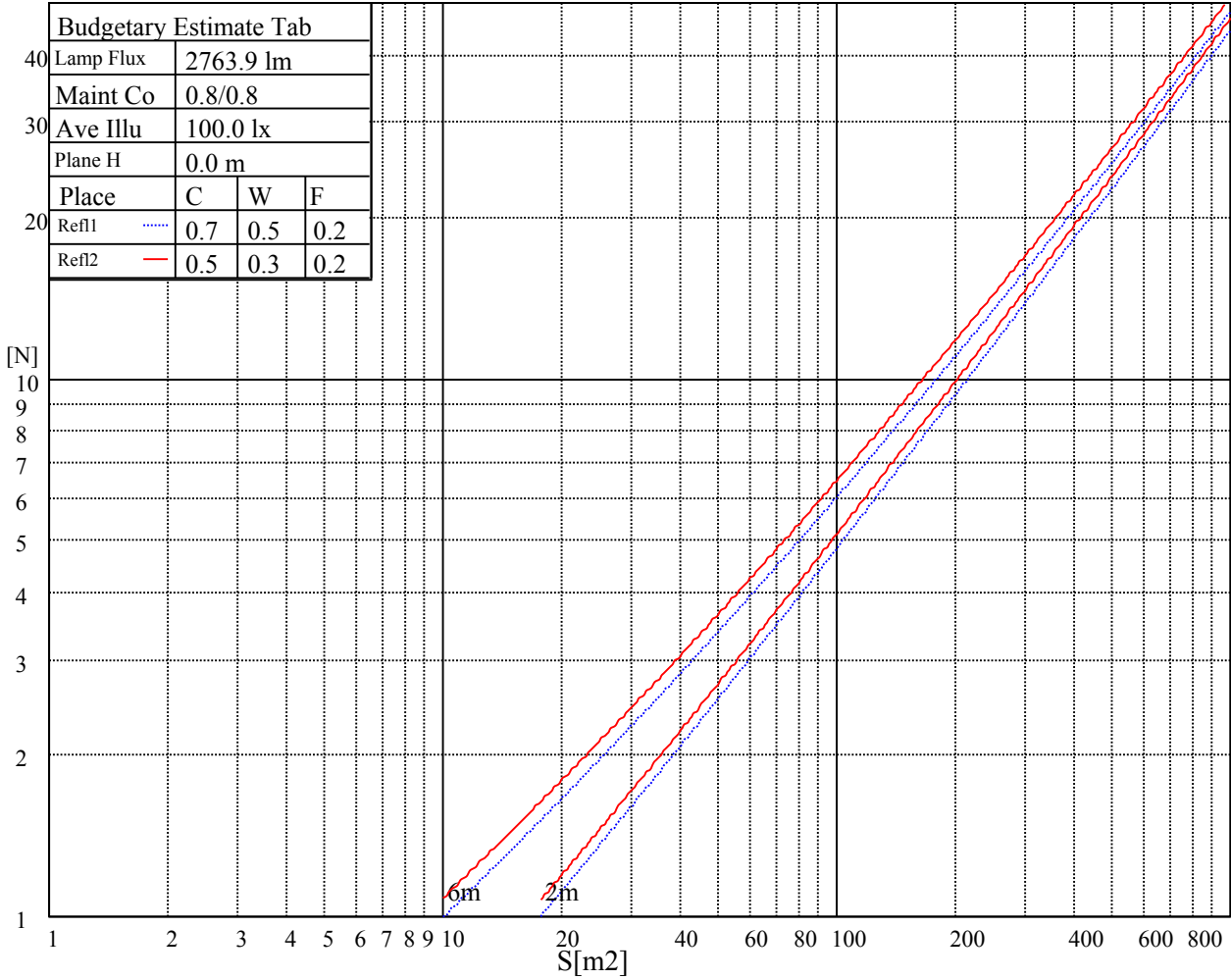
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

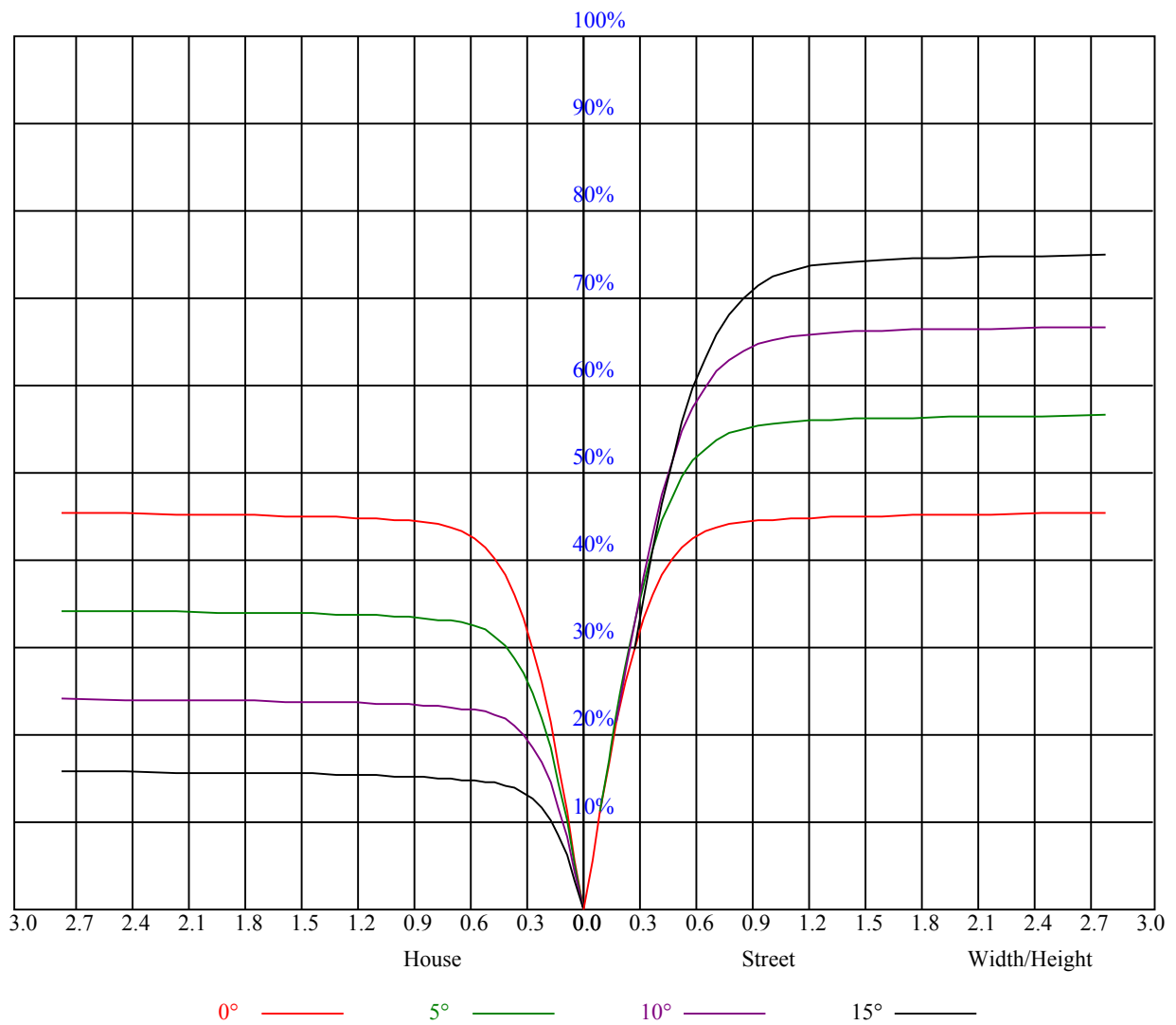


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.91	0.90	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.85	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.55



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	5557.50	5527.06	5471.70	5416.35	5289.04	5189.40	5075.37	4932.01	4736.05
45.0	5553.07	5575.21	5543.66	5493.84	5434.06	5337.19	5239.22	5119.10	4948.06
90.0	5576.32	5546.43	5493.84	5436.83	5330.00	5210.43	5094.75	4943.63	4744.91
135.0	5571.89	5572.45	5544.77	5476.13	5419.67	5280.18	5169.47	5050.46	4866.69
180.0	5557.50	5549.75	5545.32	5505.47	5447.90	5360.44	5255.82	5131.83	5005.63
225.0	5553.07	5548.64	5503.25	5415.80	5347.16	5204.90	5083.12	4946.95	4788.64
270.0	5576.32	5571.34	5563.59	5537.02	5458.42	5384.80	5287.38	5165.04	5015.04
315.0	5571.89	5570.79	5530.38	5478.35	5418.56	5327.78	5186.63	5064.85	4915.95
360.0	5557.50	5527.06	5471.70	5416.35	5289.04	5189.40	5075.37	4932.01	4736.05
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4581.62	4416.11	4227.91	3997.64	3808.33	3563.66	3361.07	3155.71	2904.96
45.0	4798.60	4653.02	4481.98	4252.82	4064.61	3881.95	3640.61	3435.80	3188.37
90.0	4583.28	4365.18	4173.11	3983.25	3800.58	3560.90	3359.41	3159.03	2961.97
135.0	4707.82	4541.21	4366.85	4113.33	3930.11	3740.24	3548.17	3348.34	3103.12
180.0	4822.41	4661.88	4486.96	4313.15	4089.52	3891.91	3707.03	3516.06	3276.38
225.0	4619.81	4404.49	4232.89	4044.13	3858.15	3627.87	3434.14	3237.63	2987.99
270.0	4870.01	4660.77	4487.52	4255.58	4061.85	3870.32	3681.01	3440.78	3243.72
315.0	4753.21	4551.17	4376.26	4135.47	3944.50	3755.19	3508.86	3310.15	3105.34
360.0	4581.62	4416.11	4227.91	3997.64	3808.33	3563.66	3361.07	3155.71	2904.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2705.13	2502.54	2302.16	2067.46	1883.13	1710.98	1554.88	1376.64	1077.01
45.0	2996.84	2799.79	2551.80	2350.31	2153.81	1971.70	1752.49	1589.76	1436.43
90.0	2721.18	2527.45	2332.05	2097.90	1917.45	1749.17	1548.79	1406.53	1092.51
135.0	2908.28	2712.88	2472.09	2283.89	2058.05	1884.79	1720.39	1559.31	1376.64
180.0	3077.11	2830.23	2621.55	2428.92	2203.07	2027.60	1849.92	1687.73	1501.74
225.0	2790.37	2544.60	2348.65	2167.65	1952.32	1791.24	1632.38	1486.80	1085.87
270.0	3032.82	2825.25	2578.92	2378.54	2195.88	2012.66	1802.31	1645.11	1495.65
315.0	2849.60	2648.67	2447.18	2258.98	2030.92	1855.45	1693.82	1541.04	1265.94
360.0	2705.13	2502.54	2302.16	2067.46	1883.13	1710.98	1554.88	1376.64	1077.01
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1077.01	986.46	845.91	742.02	623.12	535.44	457.88	371.87	309.65
45.0	1294.72	1161.32	1005.22	891.75	754.47	655.94	544.68	465.52	396.89
90.0	1092.51	971.84	856.93	723.03	624.00	533.17	453.68	369.10	309.37
135.0	1236.60	1105.96	955.40	842.48	735.65	636.01	525.31	448.36	380.28
180.0	1361.15	1222.21	1100.98	952.08	839.71	729.56	600.59	514.79	436.19
225.0	1085.87	1055.93	936.64	821.50	688.71	592.23	485.23	411.17	345.85
270.0	1325.72	1193.42	1037.88	919.42	808.72	703.54	581.77	500.95	422.35
315.0	1102.20	1102.20	951.86	841.49	711.13	616.03	528.85	451.74	366.88
360.0	1077.01	986.46	845.91	742.02	623.12	535.44	457.88	371.87	309.65
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	254.96	207.91	160.25	130.97	108.60	92.00	77.05	68.47	61.55
45.0	333.23	291.16	291.16	174.03	143.09	114.36	97.59	84.14	73.95
90.0	257.06	212.56	166.50	138.00	111.15	95.21	83.09	71.52	64.49
135.0	303.89	290.05	290.05	158.59	131.41	106.50	91.39	79.71	70.91
180.0	356.48	295.03	280.64	221.25	151.28	124.10	103.68	85.30	74.67
225.0	273.61	224.51	182.67	141.87	116.69	97.70	83.86	71.24	64.15
270.0	360.35	287.84	287.84	223.57	154.55	120.67	100.85	83.47	73.40
315.0	305.44	252.14	205.92	159.31	130.08	107.61	91.28	76.55	68.08
360.0	254.96	207.91	160.25	130.97	108.60	92.00	77.05	68.47	61.55

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	55.19	50.93	47.33	43.62	40.91	38.03	35.98	34.15	32.55
45.0	64.49	58.67	54.08	49.10	45.72	42.84	39.69	37.47	35.04
90.0	58.95	54.41	49.49	46.22	43.29	40.68	37.86	35.87	34.04
135.0	64.04	57.40	52.97	49.21	45.83	42.29	39.80	37.14	35.09
180.0	66.81	60.67	54.80	50.87	47.44	43.73	41.13	38.80	36.26
225.0	58.56	54.08	49.26	46.05	43.12	39.97	37.75	35.20	33.49
270.0	66.04	58.90	54.47	50.48	47.16	43.45	40.91	38.58	36.42
315.0	60.22	55.58	51.42	47.05	44.06	41.40	38.47	36.42	34.49
360.0	55.19	50.93	47.33	43.62	40.91	38.03	35.98	34.15	32.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.72	29.45	28.12	27.07	25.85	24.91	24.08	23.14	22.47
45.0	33.32	31.88	30.39	28.78	27.57	26.57	25.63	24.41	23.69
90.0	32.05	30.56	29.28	27.79	26.68	25.68	24.63	23.80	23.08
135.0	33.38	31.55	30.11	28.84	27.46	26.40	25.52	24.58	23.53
180.0	34.43	32.71	30.83	29.56	28.34	26.96	25.96	25.08	24.24
225.0	31.88	30.39	28.78	27.68	26.63	25.68	24.58	23.80	23.08
270.0	34.10	32.44	30.94	29.28	28.06	27.01	25.79	24.85	23.91
315.0	32.77	30.89	29.56	28.34	27.23	26.02	25.08	24.30	23.30
360.0	30.72	29.45	28.12	27.07	25.85	24.91	24.08	23.14	22.47
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.86	21.09	20.54	19.98	19.32	18.76	18.27	17.77	17.10
45.0	22.97	22.09	21.42	20.87	20.15	19.54	18.99	18.38	17.88
90.0	22.36	21.53	20.92	20.37	19.76	19.10	18.54	17.99	17.38
135.0	22.86	22.20	21.59	20.81	20.26	19.71	18.99	18.49	17.99
180.0	23.25	22.53	21.92	21.31	20.59	20.04	19.37	18.82	18.32
225.0	22.36	21.64	21.03	20.31	19.82	19.26	18.60	18.10	17.60
270.0	23.14	22.42	21.81	21.03	20.54	19.98	19.37	18.76	18.27
315.0	22.58	21.81	21.20	20.65	20.09	19.43	18.88	18.38	17.88
360.0	21.86	21.09	20.54	19.98	19.32	18.76	18.27	17.77	17.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.66	16.22	15.72	15.17	14.72	14.34	13.84	13.45	13.01
45.0	17.33	16.83	16.27	15.83	15.39	14.95	14.39	13.95	13.62
90.0	16.88	16.27	15.83	15.39	14.83	14.39	14.00	13.62	13.06
135.0	17.33	16.77	16.33	15.78	15.33	14.89	14.39	13.95	13.51
180.0	17.66	17.16	16.72	16.22	15.67	15.22	14.72	14.28	13.84
225.0	17.10	16.50	16.05	15.61	15.17	14.67	14.23	13.78	13.34
270.0	17.71	17.21	16.66	16.16	15.55	15.11	14.72	14.17	13.78
315.0	17.27	16.77	16.27	15.83	15.28	14.83	14.28	13.89	13.51
360.0	16.66	16.22	15.72	15.17	14.72	14.34	13.84	13.45	13.01
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.57	12.29	11.96	11.62	11.35	11.07	10.85	10.57	10.46
45.0	13.06	12.73	12.18	11.90	11.62	11.35	11.07	10.79	10.52
90.0	12.68	12.29	11.96	11.62	11.40	11.18	10.85	10.63	10.46
135.0	13.12	12.62	12.23	11.90	11.57	11.29	11.07	10.79	10.41
180.0	13.40	12.90	12.51	12.12	11.85	11.51	11.24	10.96	10.74
225.0	12.95	12.57	12.18	11.90	11.51	11.29	11.07	10.79	10.46
270.0	13.40	12.90	12.51	12.18	11.85	11.57	11.24	10.96	10.68
315.0	13.01	12.62	12.29	11.90	11.62	11.35	11.07	10.85	10.57
360.0	12.57	12.29	11.96	11.62	11.35	11.07	10.85	10.57	10.46

Intensity data(cd)

C/γ(°)	90.0
0.0	10.41
45.0	10.46
90.0	10.41
135.0	10.46
180.0	10.41
225.0	10.46
270.0	10.41
315.0	10.41
360.0	10.41