NATA LIGHTING CO.,LTD.
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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 2-2062-L2
Luminaire: 92.70.411.00
Report No: 20250723-B009
Ballast type: AC

Test No: 20250723-C009	Voltage(V): 35.130
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.903
Lamp flux(lm): 3894.6	Power (W): 31.722
Number of Lamps: 1	PF: 0.000
Length(mm): 75	Width(mm): 75
Phm Type: C	Height(mm): 44

Photometric Results

Lumens(lm): 3744.49, Efficiency(%): 96.15% , Luminous Efficacy(lm/W): 118.04
Central intensity(cd): 7703.084, Maximum intensity(cd): 7703.084
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.2
[C90/270]Total=38.2
Field angle(10%Imax): [C0/180]Total=70.4
[C90/270]Total=70.4
Maximum s/h(1/2): C0_180=0.64 C90_270=0.64
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(%): 96.15%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.599%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7703.085	0.000	0	0.00%	0.00%
1.0	7695.192	7.368	7.368	0.19%	0.20%
2.0	7680.023	22.068	29.436	0.57%	0.79%
3.0	7651.540	36.668	66.104	0.94%	1.77%
4.0	7611.526	51.090	117.194	1.31%	3.13%
5.0	7557.647	65.257	182.451	1.68%	4.87%
6.0	7481.325	79.034	261.485	2.03%	6.98%
7.0	7395.394	92.340	353.824	2.37%	9.45%
8.0	7279.812	105.028	458.852	2.70%	12.25%
9.0	7139.796	116.863	575.715	3.00%	15.37%
10.0	6944.323	127.456	703.171	3.27%	18.78%
11.0	6722.769	136.562	839.734	3.51%	22.43%
12.0	6480.281	144.328	984.062	3.71%	26.28%
13.0	6164.491	150.062	1134.123	3.85%	30.29%
14.0	5815.138	153.338	1287.462	3.94%	34.38%
15.0	5454.804	154.719	1442.18	3.97%	38.51%
16.0	5047.866	153.893	1596.074	3.95%	42.62%
17.0	4703.181	151.850	1747.924	3.90%	46.68%
18.0	4296.518	148.385	1896.309	3.81%	50.64%
19.0	3903.582	142.665	2038.974	3.66%	54.45%
20.0	3556.151	136.534	2175.508	3.51%	58.10%
21.0	3191.973	129.578	2305.086	3.33%	61.56%
22.0	2876.182	121.942	2427.028	3.13%	64.82%
23.0	2568.903	114.253	2541.281	2.93%	67.87%
24.0	2306.305	106.590	2647.87	2.74%	70.71%
25.0	2112.823	100.481	2748.351	2.58%	73.40%
26.0	1948.922	95.878	2844.229	2.46%	75.96%
27.0	1788.453	91.436	2935.665	2.35%	78.40%
28.0	1682.137	87.868	3023.533	2.26%	80.75%
29.0	1577.057	85.270	3108.803	2.19%	83.02%
30.0	1409.271	80.630	3189.433	2.07%	85.18%
31.0	1320.046	75.953	3265.386	1.95%	87.21%
32.0	1200.916	72.223	3337.608	1.85%	89.13%
33.0	1023.096	65.520	3403.129	1.68%	90.88%
34.0	916.464	58.697	3461.825	1.51%	92.45%
35.0	795.701	53.174	3514.999	1.37%	93.87%
36.0	660.730	46.373	3561.372	1.19%	95.11%
37.0	512.869	38.276	3599.648	0.98%	96.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	385.743	29.994	3629.643	0.77%	96.93%
39.0	295.529	23.254	3652.896	0.60%	97.55%
40.0	211.863	17.696	3670.592	0.45%	98.03%
41.0	149.233	12.858	3683.451	0.33%	98.37%
42.0	82.149	8.407	3691.857	0.22%	98.59%
43.0	55.773	5.109	3696.966	0.13%	98.73%
44.0	46.191	3.848	3700.815	0.10%	98.83%
45.0	38.717	3.263	3704.078	0.08%	98.92%
46.0	33.727	2.833	3706.911	0.07%	99.00%
47.0	28.923	2.492	3709.403	0.06%	99.06%
48.0	26.040	2.222	3711.625	0.06%	99.12%
49.0	23.542	2.036	3713.661	0.05%	99.18%
50.0	21.462	1.876	3715.537	0.05%	99.23%
51.0	19.932	1.751	3717.288	0.04%	99.27%
52.0	18.538	1.651	3718.939	0.04%	99.32%
53.0	17.207	1.555	3720.494	0.04%	99.36%
54.0	16.095	1.468	3721.962	0.04%	99.40%
55.0	15.127	1.394	3723.356	0.04%	99.44%
56.0	14.235	1.327	3724.682	0.03%	99.47%
57.0	13.480	1.267	3725.95	0.03%	99.50%
58.0	12.773	1.214	3727.164	0.03%	99.54%
59.0	12.265	1.171	3728.334	0.03%	99.57%
60.0	11.743	1.134	3729.468	0.03%	99.60%
61.0	11.215	1.096	3730.564	0.03%	99.63%
62.0	10.783	1.060	3731.624	0.03%	99.66%
63.0	10.316	1.026	3732.65	0.03%	99.68%
64.0	9.863	0.990	3733.64	0.03%	99.71%
65.0	9.382	0.952	3734.593	0.02%	99.74%
66.0	8.847	0.910	3735.502	0.02%	99.76%
67.0	8.325	0.863	3736.366	0.02%	99.78%
68.0	7.818	0.818	3737.184	0.02%	99.80%
69.0	7.310	0.772	3737.955	0.02%	99.83%
70.0	6.754	0.722	3738.678	0.02%	99.84%
71.0	6.211	0.670	3739.348	0.02%	99.86%
72.0	5.614	0.615	3739.963	0.02%	99.88%
73.0	4.949	0.552	3740.515	0.01%	99.89%
74.0	4.400	0.491	3741.006	0.01%	99.91%
75.0	3.816	0.434	3741.44	0.01%	99.92%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.308	0.378	3741.819	0.01%	99.93%
77.0	2.938	0.333	3742.152	0.01%	99.94%
78.0	2.663	0.300	3742.451	0.01%	99.95%
79.0	2.443	0.274	3742.726	0.01%	99.95%
80.0	2.231	0.252	3742.978	0.01%	99.96%
81.0	2.045	0.231	3743.209	0.01%	99.97%
82.0	1.860	0.212	3743.421	0.01%	99.97%
83.0	1.695	0.193	3743.614	0.00%	99.98%
84.0	1.558	0.177	3743.791	0.00%	99.98%
85.0	1.366	0.160	3743.951	0.00%	99.99%
86.0	1.229	0.142	3744.093	0.00%	99.99%
87.0	1.071	0.126	3744.219	0.00%	99.99%
88.0	0.913	0.109	3744.327	0.00%	100.00%
89.0	0.734	0.090	3744.417	0.00%	100.00%
90.0	0.638	0.075	3744.493	0.00%	100.00%

Zonal flux distribution table

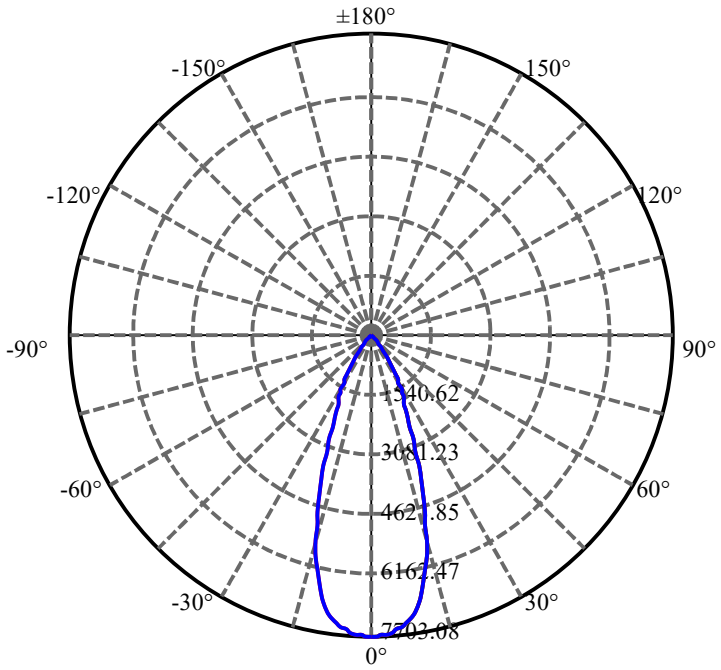
ZONAL LUMEN SUMMARY

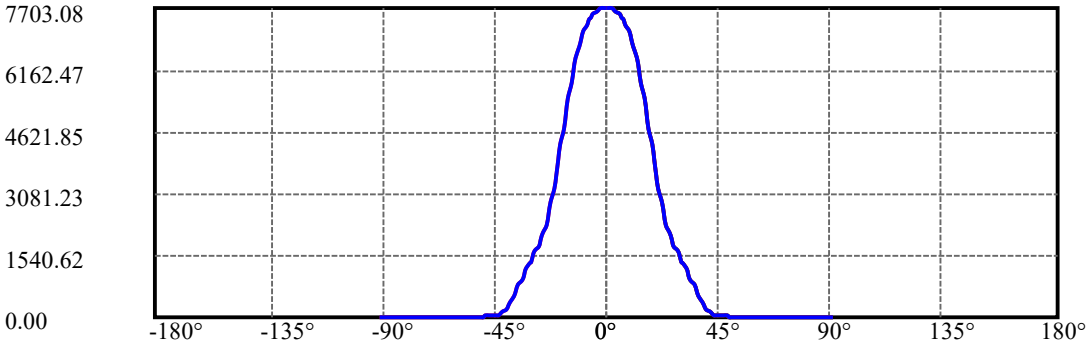
Zone	Lumens	%Lamp	%Fixt
0-30	3189.43	81.89%	85.18%
0-40	3670.59	94.25%	98.03%
0-60	3729.47	95.76%	99.60%
0-90	3744.42	96.14%	100.00%
0-120	3744.42	96.14%	100.00%
0-180	3744.49	96.15%	100.00%
60-90	14.95	0.38%	0.40%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.68	2995.59	76.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	703.17
10-20	1472.34
20-30	1013.92
30-40	481.16
40-50	44.94
50-60	13.93
60-70	9.21
70-80	4.30
80-90	1.44
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

Light Distribution Curve [Unit:cd]





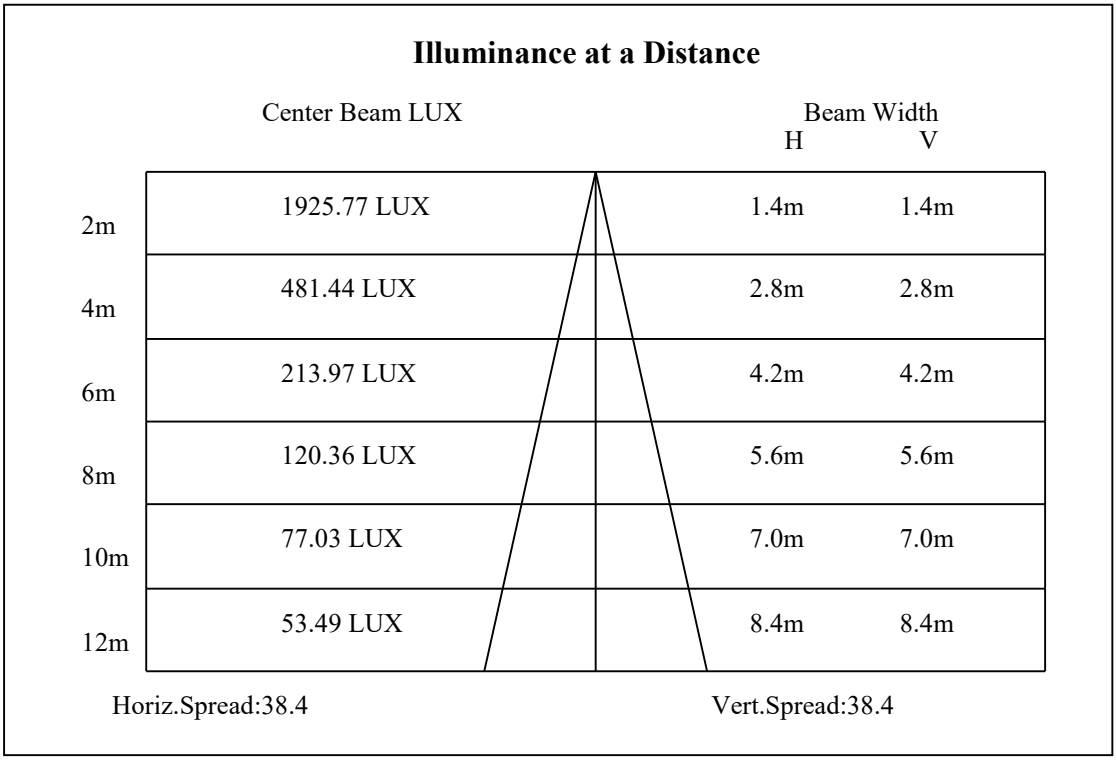
C0(Max):

C0/C180:

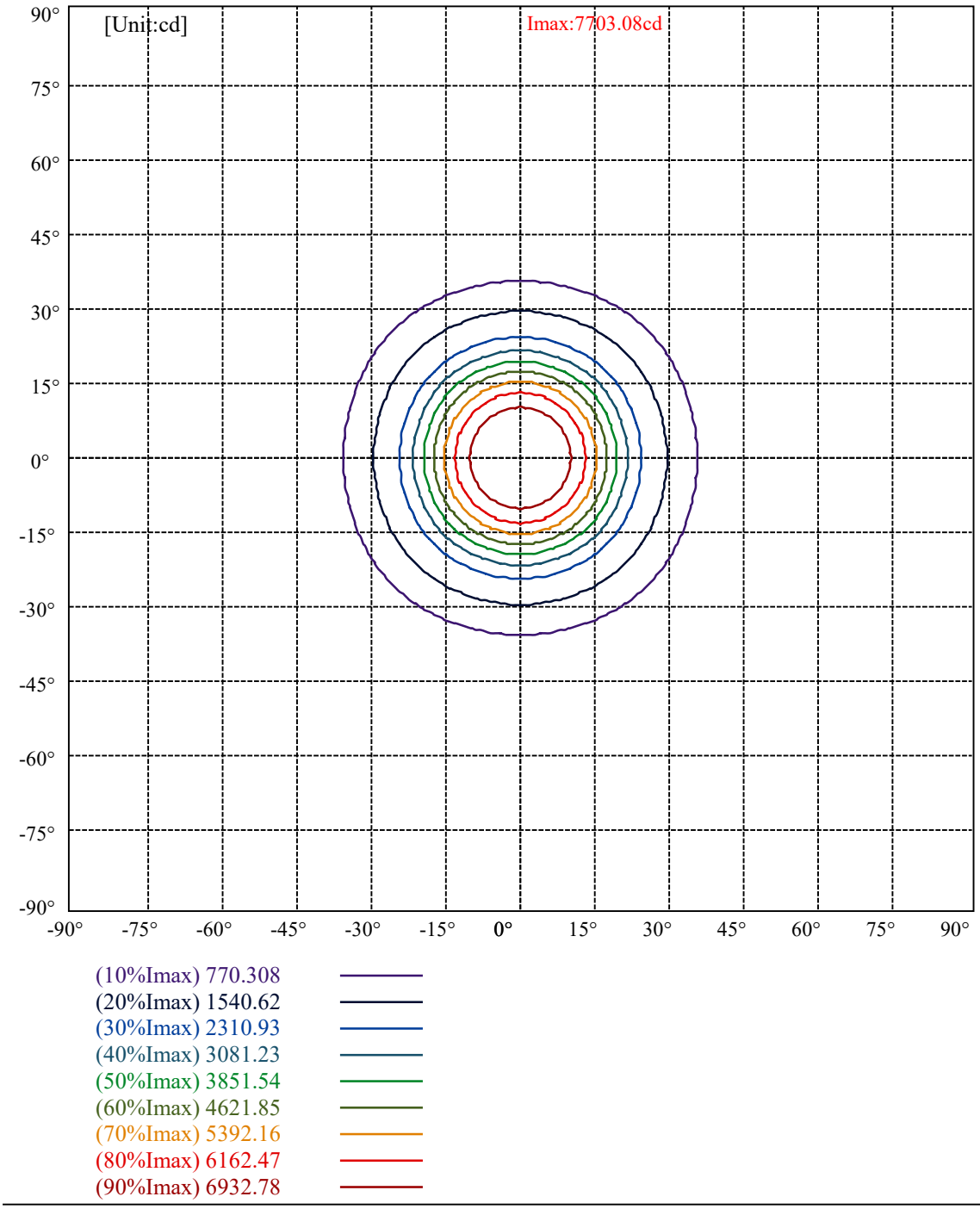
C90/C270:

Field angle(10%Imax):C0/180Left:35.2 Right:35.2
:C90/270Left:35.2 Right:35.2

Beam Angle(50%Imax):C0/180Left:19.1 Right:19.1
:C90/270Left:19.1 Right:19.1


Illuminance at a Distance
Center Beam LUX
Beam Width
H
V
2m
1925.77 LUX
1.4m
1.4m
4m
481.44 LUX
2.8m
2.8m
6m
213.97 LUX
4.2m
4.2m
8m
120.36 LUX
5.6m
5.6m
10m
77.03 LUX
7.0m
7.0m
12m
53.49 LUX
8.4m
8.4m
Horiz.Spread:38.4
Vert.Spread:38.4

ISO-Intensity(V-H)



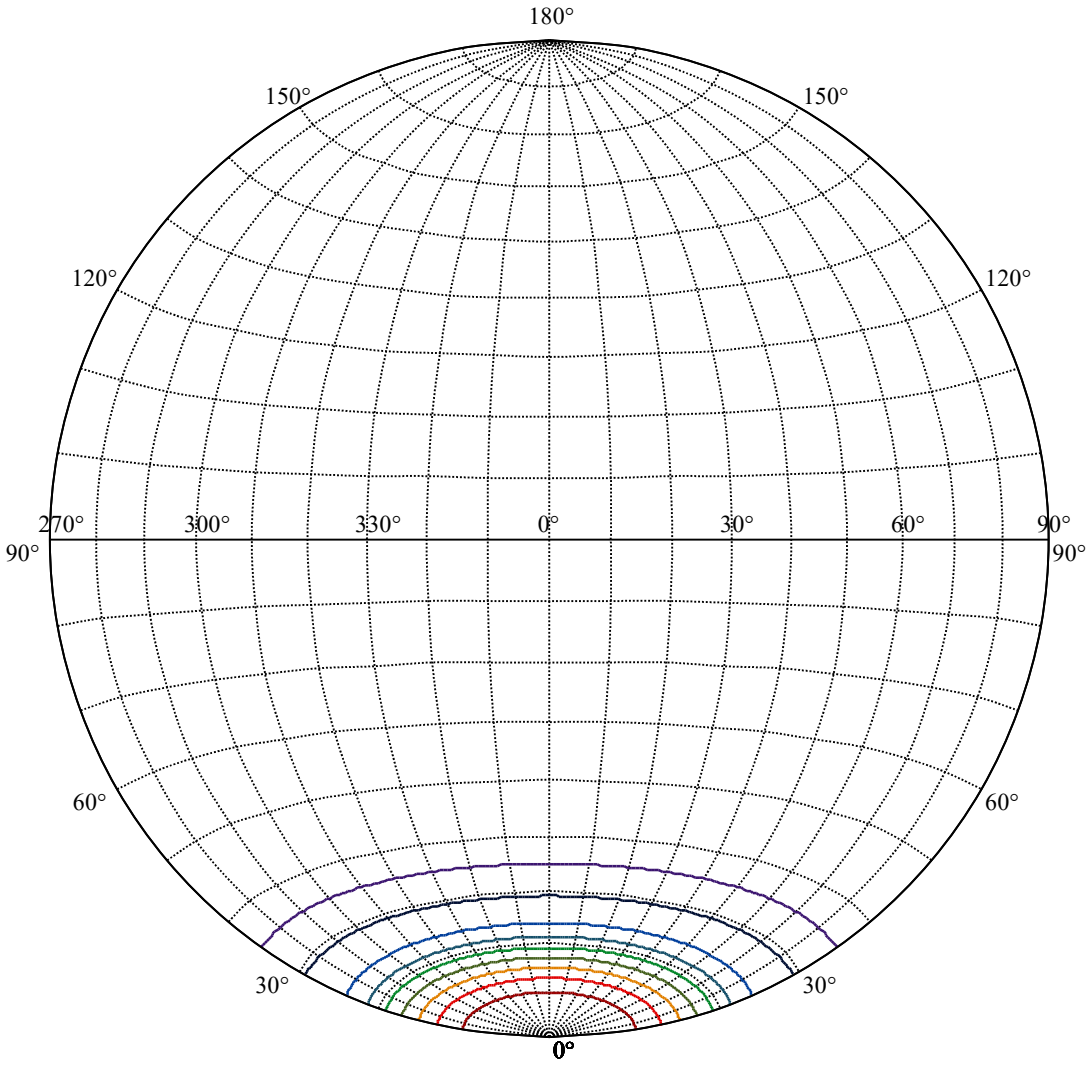
(10%Imax) 770.308
(20%Imax) 1540.62
(30%Imax) 2310.93
(40%Imax) 3081.23
(50%Imax) 3851.54
(60%Imax) 4621.85
(70%Imax) 5392.16
(80%Imax) 6162.47
(90%Imax) 6932.78

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/7/23
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 7.41

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:7703.08

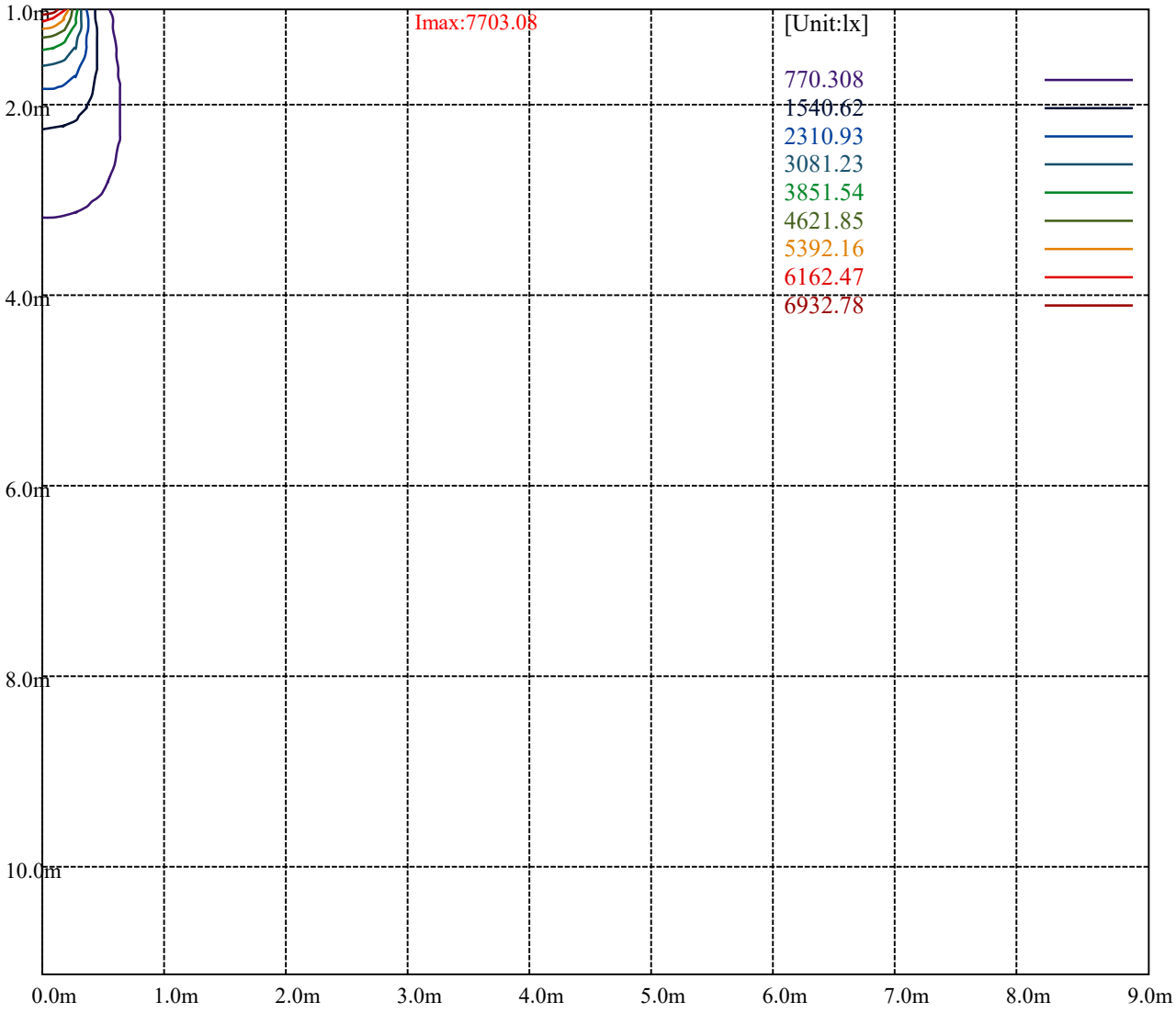
(10%Imax) 770.308
(20%Imax) 1540.62
(30%Imax) 2310.93
(40%Imax) 3081.23
(50%Imax) 3851.54
(60%Imax) 4621.85
(70%Imax) 5392.16
(80%Imax) 6162.47
(90%Imax) 6932.78

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/7/23
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 7.41

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/7/23
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 7.41

NT NT 2-2062-L2

Luminance Limitting Curve(no luminous side)

Luminance Table

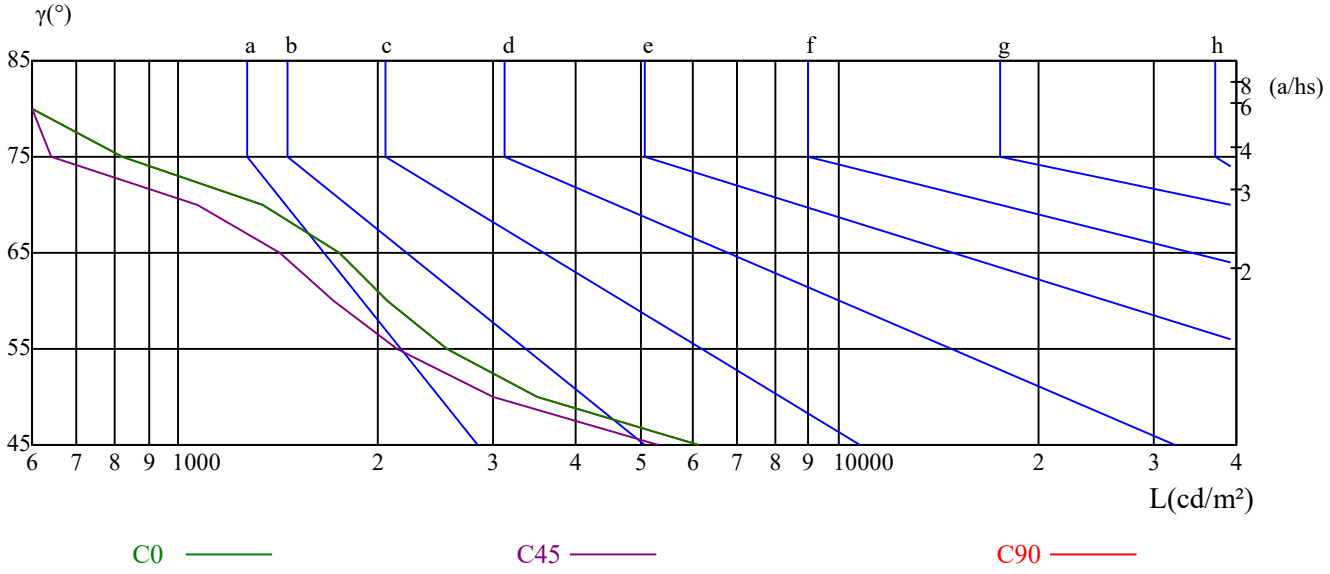
γ	45	50	55	60	65	70	75	80	85
C0	6135	3493	2551	2071	1748	1344	822	528	362
C45	5320	2985	2146	1713	1420	1070	640	400	266
C90	6135	3493	2551	2071	1748	1344	822	528	362

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3947	3947	3947	2621	2621	2621	2786	2786	2786

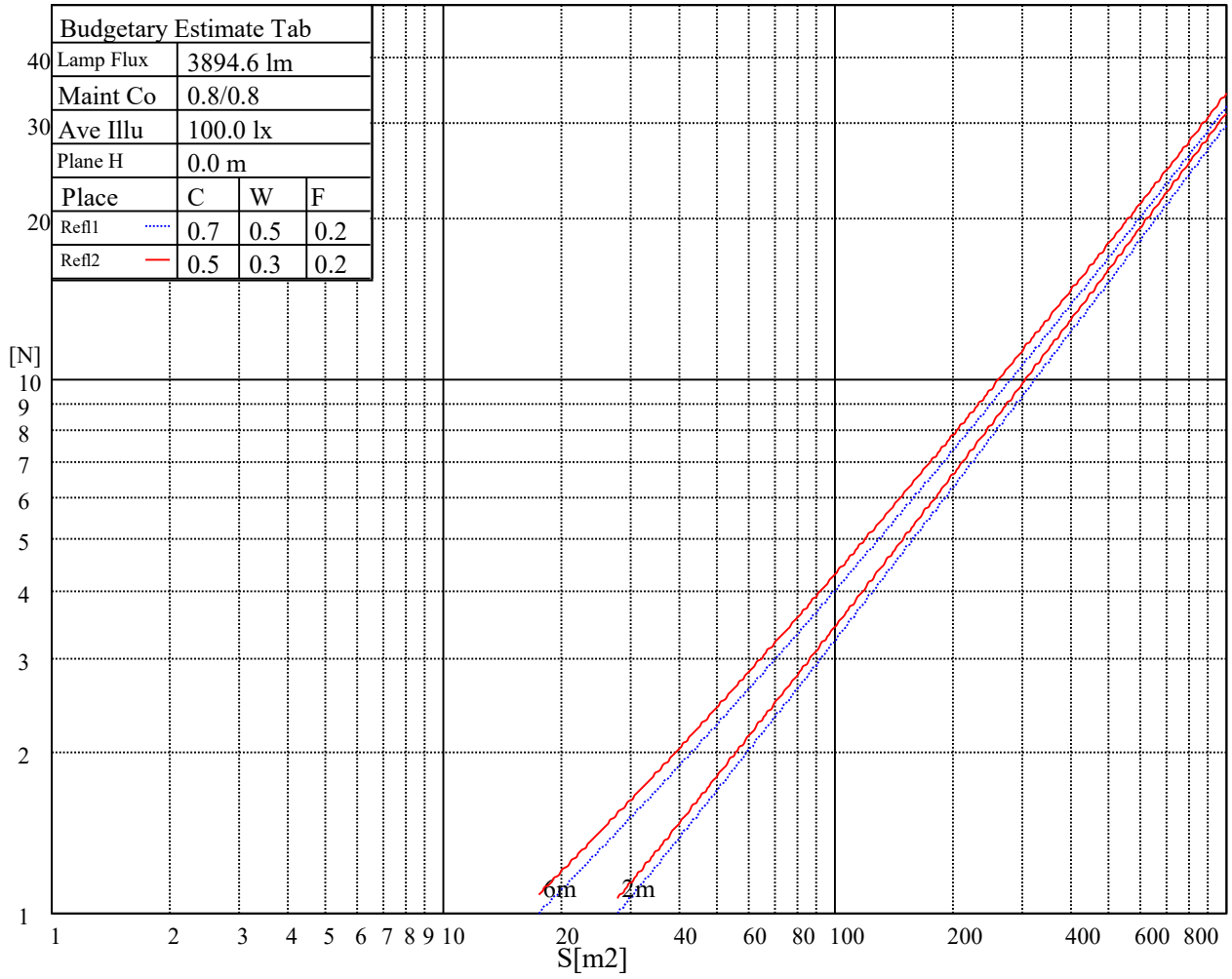
Glare Table

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 Limitting Curve



Budgetary Estimate Table

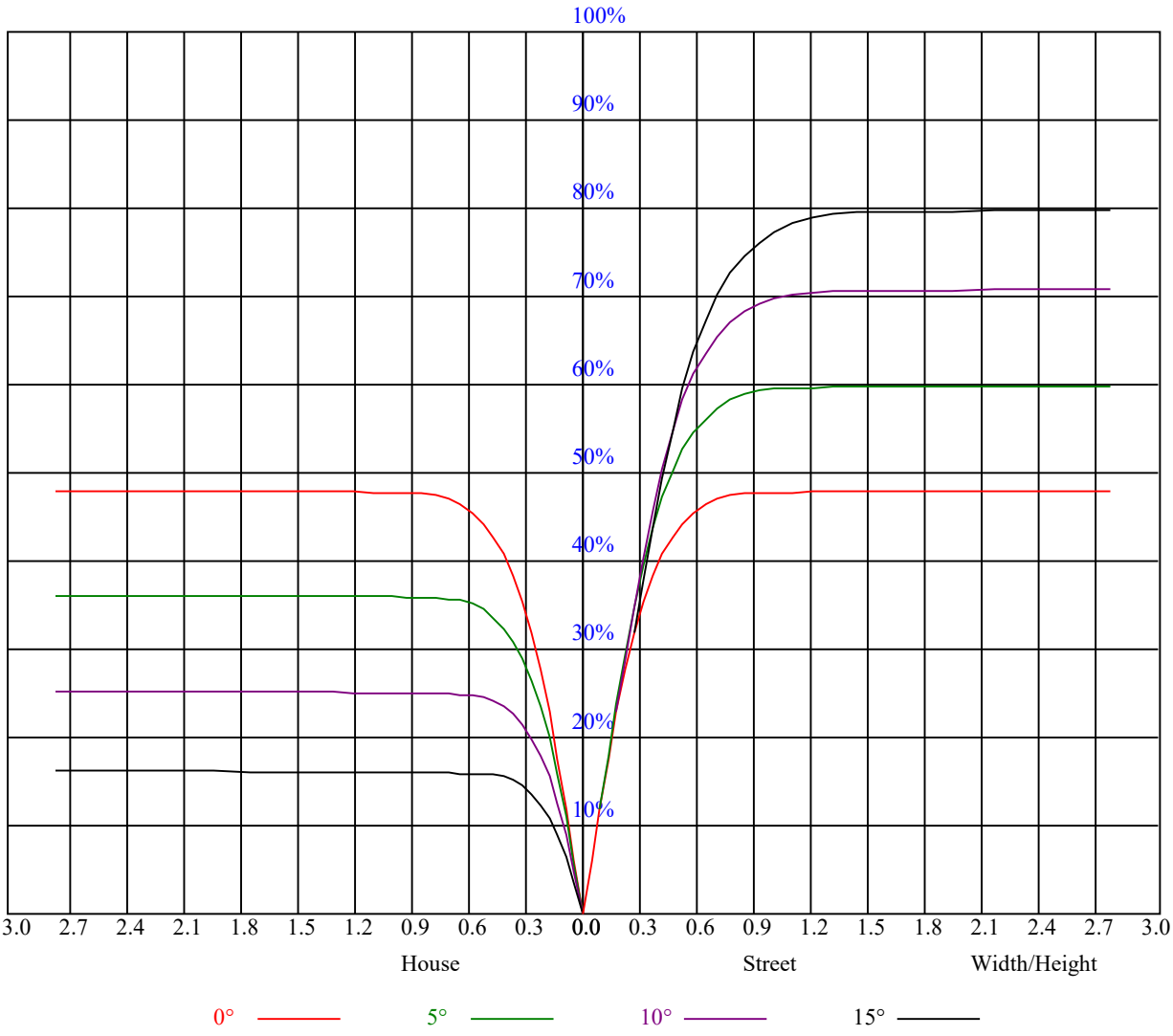


Equipment: GMS 1800	Date: 2025/7/23	Operator: 杨泽全
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.41

Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.14	1.14	1.14	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.07	1.05	1.03	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.98	0.95	1.00	0.97	0.94	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.87
3	0.96	0.92	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.84	0.82
4	0.91	0.86	0.83	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.67
8	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59

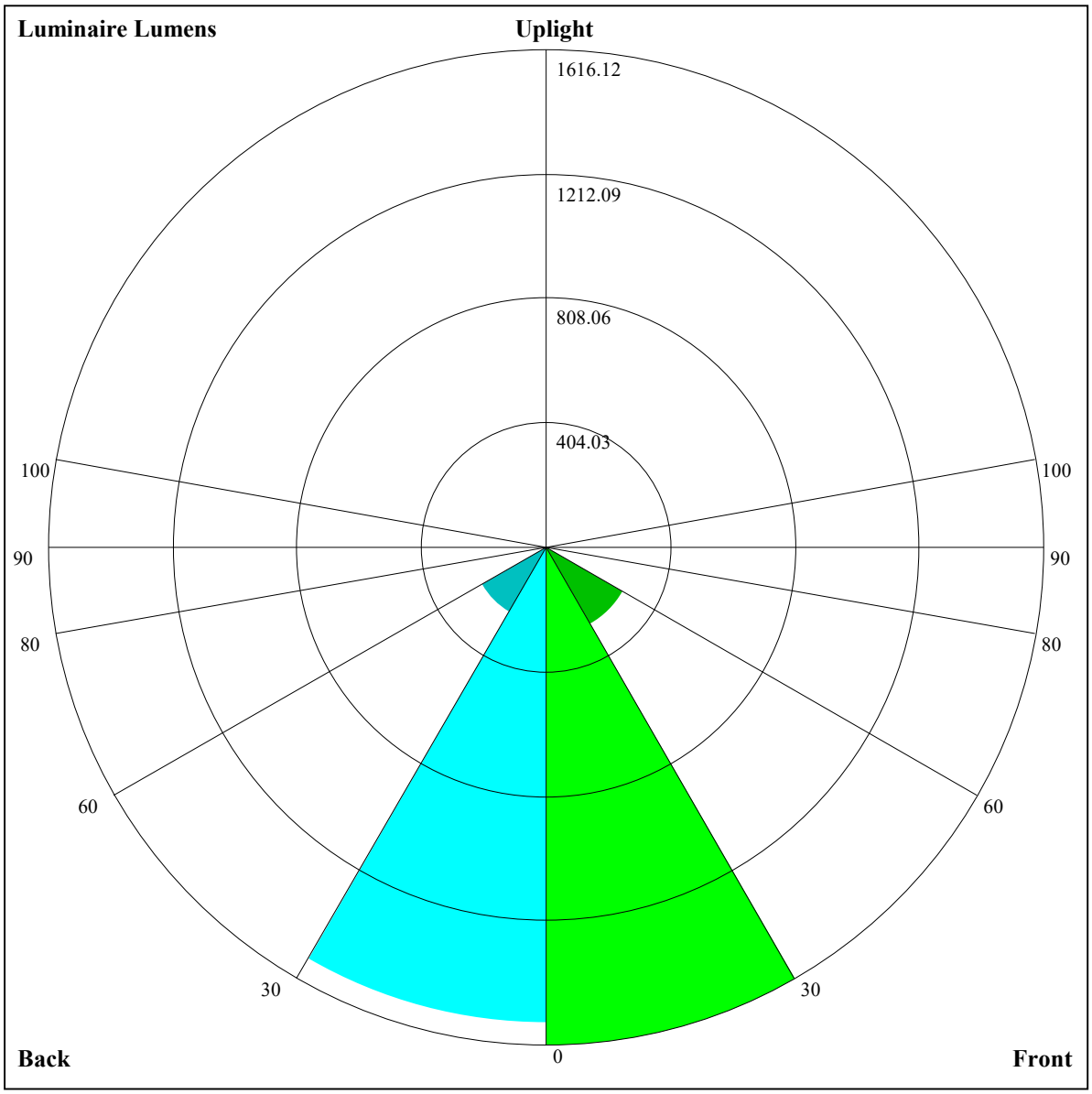
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/7/23
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 7.41



Luminaire Lumens:
FL=1616.12,FM=287.13,FH=6.91,FVH=0.8
BL=1543.41,BM=241.94,BH=6.17,BVH=0.72
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	7712.56	7699.93	7693.89	7667.53	7630.74	7557.72	7495.67	7384.21	7251.33
45.0	7701.03	7704.87	7704.87	7699.38	7684.55	7648.31	7601.09	7544.54	7467.12
90.0	7701.03	7692.79	7669.18	7631.29	7602.19	7529.71	7483.04	7372.13	7231.01
135.0	7697.73	7698.83	7683.46	7640.08	7595.05	7531.91	7444.06	7378.17	7224.42
180.0	7712.56	7698.83	7679.06	7642.27	7588.46	7552.22	7439.11	7312.83	7175.56
225.0	7701.03	7678.51	7636.23	7595.60	7514.34	7466.57	7373.77	7249.68	7116.80
270.0	7701.03	7698.28	7693.89	7684.00	7645.57	7610.98	7554.42	7503.91	7446.80
315.0	7697.73	7689.50	7679.61	7652.16	7631.29	7563.76	7459.43	7417.70	7325.45
360.0	7712.56	7699.93	7693.89	7667.53	7630.74	7557.72	7495.67	7384.21	7251.33

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7153.59	6983.93	6763.74	6515.56	6174.03	5974.17	5479.44	5051.16	4898.52
45.0	7407.82	7172.81	6981.18	6838.97	6563.33	6158.11	5782.54	5379.51	5133.52
90.0	7036.09	6734.09	6555.64	6213.57	5560.16	5294.40	4830.98	4373.59	3927.19
135.0	7069.03	6871.36	6574.31	6284.40	6093.87	5590.36	5364.14	4898.52	4503.73
180.0	7007.54	6762.65	6517.21	6240.47	6059.82	5677.11	5329.54	4969.35	4615.74
225.0	6897.17	6775.82	6523.25	6233.33	5907.73	5483.84	5259.81	4725.01	4268.17
270.0	7349.61	7222.23	7077.27	6880.70	6589.14	6281.10	5924.20	5683.15	5195.02
315.0	7197.52	7031.70	6789.55	6635.26	6367.86	6062.02	5667.78	5302.64	5083.56
360.0	7153.59	6983.93	6763.74	6515.56	6174.03	5974.17	5479.44	5051.16	4898.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4463.10	4071.05	3703.17	3295.75	3114.55	2808.71	2581.39	2355.17	2152.56
45.0	4625.62	4214.91	3808.04	3417.10	3196.91	2782.36	2387.02	2247.55	2015.29
90.0	3399.53	3146.95	2746.67	2396.90	2117.97	1862.65	1764.91	1624.35	1517.28
135.0	4110.59	3716.89	3486.28	3046.47	2724.70	2449.07	2216.26	1988.94	1834.64
180.0	4399.95	3970.57	3606.53	3256.22	2943.24	2779.06	2407.34	2216.26	2120.72
225.0	4040.30	3657.04	3286.41	2936.10	2567.12	2410.08	2189.35	1994.43	1835.19
270.0	4766.74	4334.06	3911.27	3651.00	3157.38	2603.91	2383.18	2090.52	1942.81
315.0	4566.32	4117.17	3900.84	3536.25	3187.58	2855.39	2521.00	2385.37	2172.88
360.0	4463.10	4071.05	3703.17	3295.75	3114.55	2808.71	2581.39	2355.17	2152.56

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2058.67	1932.93	1815.98	1685.29	1562.30	1479.94	1060.55	1060.55	1026.07
45.0	1854.96	1723.18	1610.62	1551.32	1433.27	1300.39	1155.43	1009.38	920.97
90.0	1418.99	1353.10	1304.23	1035.68	1035.68	958.42	820.88	603.06	521.96
135.0	1705.06	1638.62	1516.18	1387.14	1243.83	1097.23	1011.57	830.92	629.41
180.0	1944.46	1823.66	1711.65	1573.83	1483.23	1292.70	1131.82	971.49	782.61
225.0	1677.61	1608.42	1500.80	1087.07	1028.87	1028.87	852.50	769.10	626.50
270.0	1652.90	1530.45	1461.82	1364.63	1304.78	1211.99	1112.05	1047.26	913.84
315.0	1994.98	1846.72	1695.18	1589.21	1468.41	1237.79	1039.96	1039.96	944.25
360.0	2058.67	1932.93	1815.98	1685.29	1562.30	1479.94	1060.55	1060.55	1026.07

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	804.24	621.34	533.32	396.60	279.15	184.11	121.02	109.65	93.84
45.0	749.11	615.14	485.55	338.40	338.40	292.82	73.41	60.62	46.45
90.0	397.75	284.09	180.92	83.52	50.57	29.82	23.89	18.94	15.65
135.0	542.66	408.68	334.56	334.56	99.00	70.94	45.02	37.72	34.59
180.0	718.36	537.17	349.93	326.32	326.32	108.99	82.03	66.77	56.17
225.0	489.01	361.24	226.17	165.27	88.46	54.58	44.81	35.58	32.40
270.0	795.78	665.10	502.02	371.34	298.32	298.32	179.60	54.36	37.50
315.0	788.92	610.19	473.47	348.23	214.69	154.29	87.41	62.54	52.93
360.0	804.24	621.34	533.32	396.60	279.15	184.11	121.02	109.65	93.84

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	79.89	68.42	56.34	52.55	44.81	39.26	36.79	33.11	29.98
45.0	36.18	32.84	26.52	23.61	21.47	19.82	18.94	17.63	16.64
90.0	14.39	12.57	11.92	10.82	10.21	9.72	9.28	8.90	8.73
135.0	28.61	25.53	23.45	21.52	20.54	19.00	17.90	17.02	16.25
180.0	47.06	40.19	37.28	32.07	28.61	25.53	23.17	21.69	19.44
225.0	27.45	24.10	21.14	19.16	17.63	16.25	14.88	14.33	13.56
270.0	33.38	27.29	23.72	21.14	19.33	18.45	16.69	15.48	14.61
315.0	42.77	38.87	31.02	27.45	25.75	23.67	21.80	20.15	18.45
360.0	79.89	68.42	56.34	52.55	44.81	39.26	36.79	33.11	29.98

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.23	24.38	23.12	21.25	19.55	18.28	16.86	15.76	14.77
45.0	15.87	15.32	14.55	13.95	13.40	13.01	12.57	12.08	11.64
90.0	8.46	8.24	8.02	7.80	7.80	7.69	7.41	7.25	7.03
135.0	15.76	14.88	14.17	13.62	13.01	12.63	12.35	11.92	11.53
180.0	17.24	16.36	14.88	13.89	13.12	12.52	12.19	11.70	11.26
225.0	12.85	12.13	11.31	11.04	10.43	10.16	9.66	9.22	8.90
270.0	13.67	13.18	12.30	11.70	11.09	10.49	10.05	9.66	9.28
315.0	17.68	16.53	15.54	14.61	13.78	13.34	12.85	12.13	11.86
360.0	27.23	24.38	23.12	21.25	19.55	18.28	16.86	15.76	14.77

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.62	12.96	12.13	11.26	10.32	9.28	8.73	7.96	7.19
45.0	11.26	10.93	10.16	9.44	8.79	8.13	7.74	6.70	6.09
90.0	6.92	6.75	6.37	6.26	5.88	5.66	5.38	4.94	4.83
135.0	10.76	10.10	9.55	9.06	8.68	7.91	7.19	6.81	6.09
180.0	10.87	10.49	10.16	9.33	8.73	8.35	7.74	7.08	6.31
225.0	8.57	8.02	7.80	7.36	6.92	6.59	6.15	5.82	5.22
270.0	9.11	8.68	8.35	8.07	7.69	7.52	6.97	6.59	6.48
315.0	11.42	10.98	10.54	9.99	9.61	9.11	8.57	8.13	7.47
360.0	13.62	12.96	12.13	11.26	10.32	9.28	8.73	7.96	7.19

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.42	5.44	4.89	3.84	3.18	2.91	2.58	2.31	2.03
45.0	5.77	5.00	4.39	3.95	3.51	3.13	2.75	2.58	2.47
90.0	4.17	3.57	3.29	2.86	2.53	2.42	2.25	2.20	2.09
135.0	5.55	4.89	4.23	3.84	3.24	2.97	2.75	2.53	2.36
180.0	5.66	5.16	4.39	3.73	3.13	2.75	2.64	2.42	2.09
225.0	4.28	3.90	3.29	3.07	2.69	2.42	2.25	2.09	1.92
270.0	5.98	5.55	5.05	4.50	4.17	3.46	3.07	2.75	2.42
315.0	7.08	6.09	5.66	4.72	4.01	3.46	3.02	2.69	2.47
360.0	6.42	5.44	4.89	3.84	3.18	2.91	2.58	2.31	2.03

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.76	1.59	1.43	1.32	1.15	1.04	0.93	0.88	0.77
45.0	2.31	2.20	2.14	2.03	1.92	1.76	1.48	1.15	0.99
90.0	2.03	1.98	1.76	1.65	1.37	1.15	0.93	0.77	0.49
135.0	2.03	1.81	1.59	1.43	1.26	1.10	0.93	0.82	0.66
180.0	1.98	1.92	1.76	1.59	1.32	1.21	1.04	0.82	0.55
225.0	1.76	1.59	1.37	1.26	1.04	0.99	0.82	0.71	0.55
270.0	2.25	1.87	1.70	1.48	1.37	1.21	1.15	1.04	0.88
315.0	2.25	1.92	1.81	1.70	1.48	1.37	1.26	1.10	0.99
360.0	1.76	1.59	1.43	1.32	1.15	1.04	0.93	0.88	0.77

Intensity data(cd)

C/γ(°)	90.0
0.0	0.71
45.0	0.82
90.0	0.49
135.0	0.44
180.0	0.44
225.0	0.44
270.0	0.82
315.0	0.93
360.0	0.71