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

NT

Client: NT
LumCAT: 1-1741-LM
Luminaire: 92.70.481.00 LED HOLDER
Report No: 20251224-B0025
Ballast type: AC

Test No: 20251224-C005	Voltage(V): 36.160
LampCAT: PHILIPS SLM 1203 L09 1313 G8N	Current(A): 0.360
Lamp flux(lm): 1901.8	Power (W): 13.017
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 19

Photometric Results

Lumens(lm): 1818.20, Efficiency(%): 95.60% , Luminous Efficacy(lm/W): 139.68
Central intensity(cd): 4752.928, Maximum intensity(cd): 4752.928
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.4
[C90/270]Total=27.4
Field angle(10%Imax): [C0/180]Total=77.2
[C90/270]Total=77.2
Maximum s/h(1/2): C0_180=0.47 C90_270=0.47
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.334%

Equipment: GMS 1800	Date: 2025/12/24	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.50

NT NT 1-1741-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4752.928	0.000	0	0.00%	0.00%
1.0	4750.186	4.547	4.547	0.24%	0.25%
2.0	4735.772	13.615	18.162	0.72%	1.00%
3.0	4694.288	22.554	40.716	1.19%	2.24%
4.0	4626.084	31.198	71.914	1.64%	3.96%
5.0	4527.295	39.377	111.291	2.07%	6.12%
6.0	4369.514	46.755	158.047	2.46%	8.69%
7.0	4201.116	53.198	211.244	2.80%	11.62%
8.0	3992.709	58.642	269.886	3.08%	14.84%
9.0	3753.014	62.775	332.661	3.30%	18.30%
10.0	3494.194	65.585	398.245	3.45%	21.90%
11.0	3218.288	67.071	465.317	3.53%	25.59%
12.0	2930.428	67.214	532.531	3.53%	29.29%
13.0	2614.514	65.804	598.336	3.46%	32.91%
14.0	2295.014	62.842	661.177	3.30%	36.36%
15.0	2002.936	59.004	720.181	3.10%	39.61%
16.0	1725.905	54.638	774.819	2.87%	42.61%
17.0	1427.091	49.101	823.92	2.58%	45.32%
18.0	1212.356	43.519	867.439	2.29%	47.71%
19.0	1098.443	40.203	907.642	2.11%	49.92%
20.0	994.071	38.299	945.941	2.01%	52.03%
21.0	905.456	36.475	982.415	1.92%	54.03%
22.0	838.905	35.054	1017.469	1.84%	55.96%
23.0	784.287	34.059	1051.528	1.79%	57.83%
24.0	741.143	33.351	1084.879	1.75%	59.67%
25.0	710.107	32.998	1117.878	1.74%	61.48%
26.0	678.530	32.779	1150.657	1.72%	63.29%
27.0	654.750	32.619	1183.276	1.72%	65.08%
28.0	637.495	32.717	1215.992	1.72%	66.88%
29.0	621.190	32.931	1248.923	1.73%	68.69%
30.0	608.555	33.203	1282.126	1.75%	70.52%
31.0	596.932	33.547	1315.673	1.76%	72.36%
32.0	584.768	33.854	1349.527	1.78%	74.22%
33.0	574.502	34.153	1383.68	1.80%	76.10%
34.0	560.651	34.353	1418.033	1.81%	77.99%
35.0	547.882	34.427	1452.46	1.81%	79.88%
36.0	536.386	34.523	1486.983	1.82%	81.78%
37.0	518.112	34.392	1521.375	1.81%	83.67%

NT NT 1-1741-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	493.952	33.781	1555.156	1.78%	85.53%
39.0	464.562	32.717	1587.873	1.72%	87.33%
40.0	425.644	31.047	1618.92	1.63%	89.04%
41.0	386.297	28.913	1647.833	1.52%	90.63%
42.0	340.706	26.413	1674.246	1.39%	92.08%
43.0	300.241	23.743	1697.989	1.25%	93.39%
44.0	265.859	21.366	1719.355	1.12%	94.56%
45.0	238.901	19.398	1738.754	1.02%	95.63%
46.0	178.622	16.328	1755.082	0.86%	96.53%
47.0	129.832	12.268	1767.35	0.65%	97.20%
48.0	94.064	9.051	1776.401	0.48%	97.70%
49.0	64.533	6.513	1782.914	0.34%	98.06%
50.0	44.972	4.566	1787.48	0.24%	98.31%
51.0	32.906	3.295	1790.774	0.17%	98.49%
52.0	28.090	2.617	1793.392	0.14%	98.64%
53.0	24.884	2.304	1795.696	0.12%	98.76%
54.0	22.205	2.075	1797.772	0.11%	98.88%
55.0	19.273	1.851	1799.623	0.10%	98.98%
56.0	16.636	1.623	1801.246	0.09%	99.07%
57.0	14.618	1.429	1802.675	0.08%	99.15%
58.0	12.741	1.265	1803.94	0.07%	99.22%
59.0	11.426	1.130	1805.07	0.06%	99.28%
60.0	10.097	1.017	1806.086	0.05%	99.33%
61.0	8.937	0.908	1806.995	0.05%	99.38%
62.0	7.938	0.813	1807.808	0.04%	99.43%
63.0	7.165	0.735	1808.542	0.04%	99.47%
64.0	6.609	0.676	1809.218	0.04%	99.51%
65.0	6.103	0.629	1809.848	0.03%	99.54%
66.0	5.759	0.592	1810.439	0.03%	99.57%
67.0	5.505	0.566	1811.006	0.03%	99.60%
68.0	5.273	0.546	1811.552	0.03%	99.63%
69.0	5.112	0.530	1812.082	0.03%	99.66%
70.0	4.908	0.515	1812.596	0.03%	99.69%
71.0	4.746	0.499	1813.095	0.03%	99.72%
72.0	4.535	0.483	1813.578	0.03%	99.75%
73.0	4.219	0.458	1814.035	0.02%	99.77%
74.0	3.860	0.425	1814.46	0.02%	99.79%
75.0	3.551	0.392	1814.852	0.02%	99.82%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.150	0.356	1815.207	0.02%	99.84%
77.0	2.841	0.319	1815.527	0.02%	99.85%
78.0	2.637	0.293	1815.82	0.02%	99.87%
79.0	2.482	0.275	1816.095	0.01%	99.88%
80.0	2.363	0.261	1816.356	0.01%	99.90%
81.0	2.229	0.248	1816.605	0.01%	99.91%
82.0	2.081	0.234	1816.838	0.01%	99.93%
83.0	1.955	0.219	1817.058	0.01%	99.94%
84.0	1.800	0.205	1817.262	0.01%	99.95%
85.0	1.631	0.187	1817.45	0.01%	99.96%
86.0	1.491	0.171	1817.62	0.01%	99.97%
87.0	1.385	0.157	1817.778	0.01%	99.98%
88.0	1.301	0.147	1817.925	0.01%	99.98%
89.0	1.259	0.140	1818.065	0.01%	99.99%
90.0	1.230	0.136	1818.201	0.01%	100.00%

Zonal flux distribution table

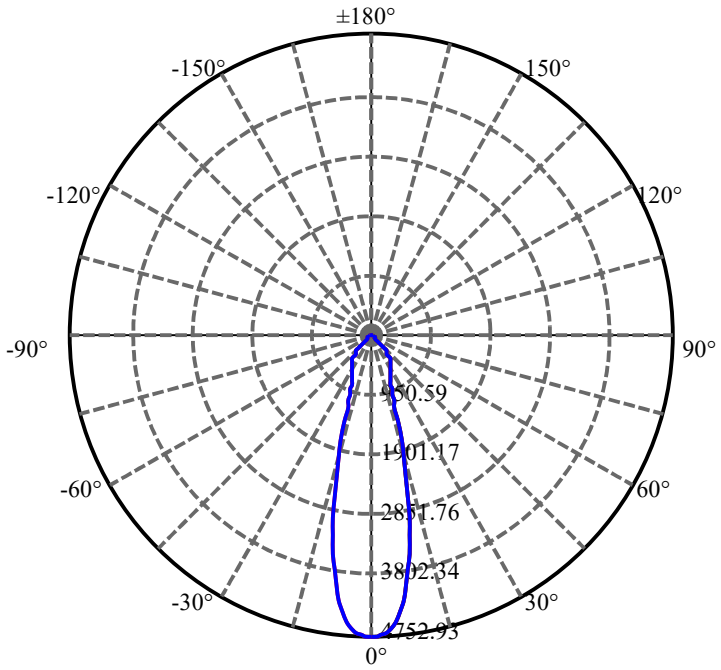
ZONAL LUMEN SUMMARY

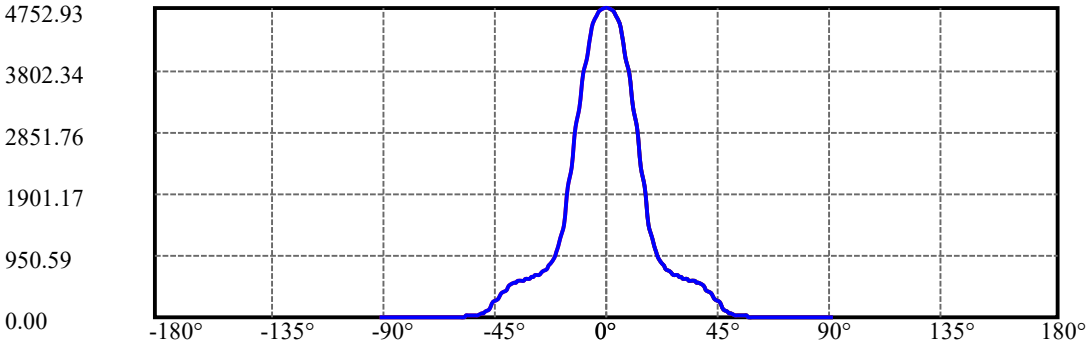
Zone	Lumens	%Lamp	%Fixt
0-30	1282.13	67.42%	70.52%
0-40	1618.92	85.12%	89.04%
0-60	1806.09	94.97%	99.33%
0-90	1818.06	95.60%	99.99%
0-120	1818.06	95.60%	99.99%
0-180	1818.20	95.60%	100.00%
60-90	11.98	0.63%	0.66%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-35.06	1454.56	76.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	398.25
10-20	547.70
20-30	336.19
30-40	336.79
40-50	168.56
50-60	18.61
60-70	6.51
70-80	3.76
80-90	1.71
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):

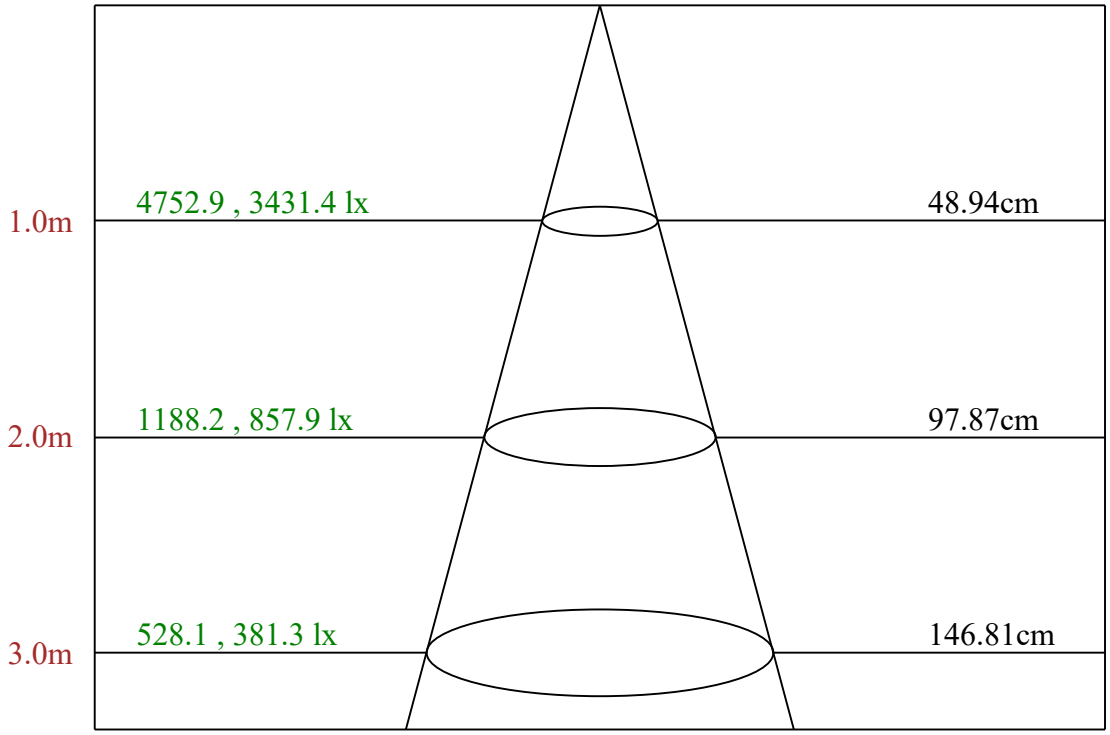
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:38.6 Right:38.6
:C90/270Left:38.6 Right:38.6

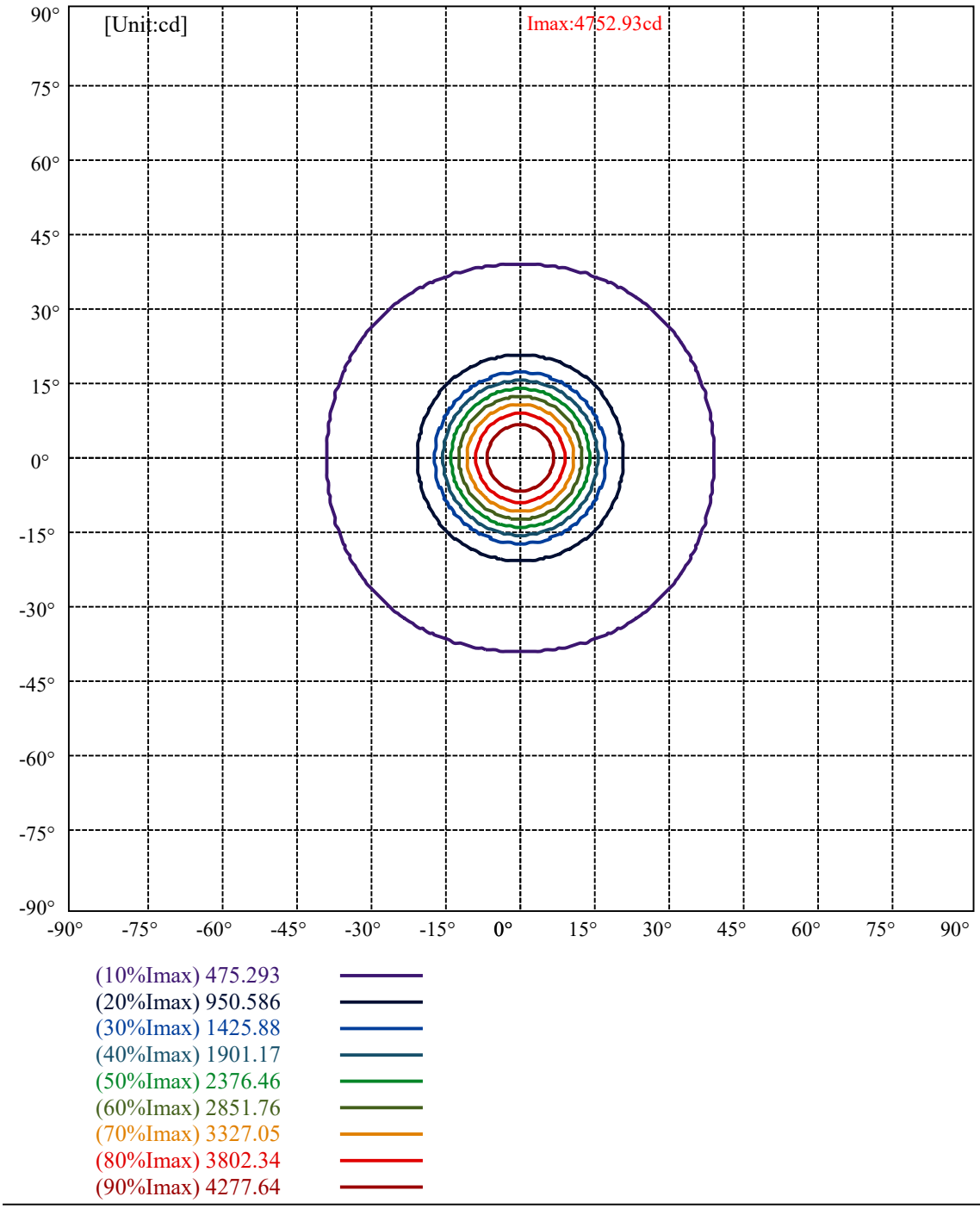
Beam Angle(50%Imax):C0/180Left:13.7 Right:13.7
:C90/270Left:13.7 Right:13.7

Lux distance Curve



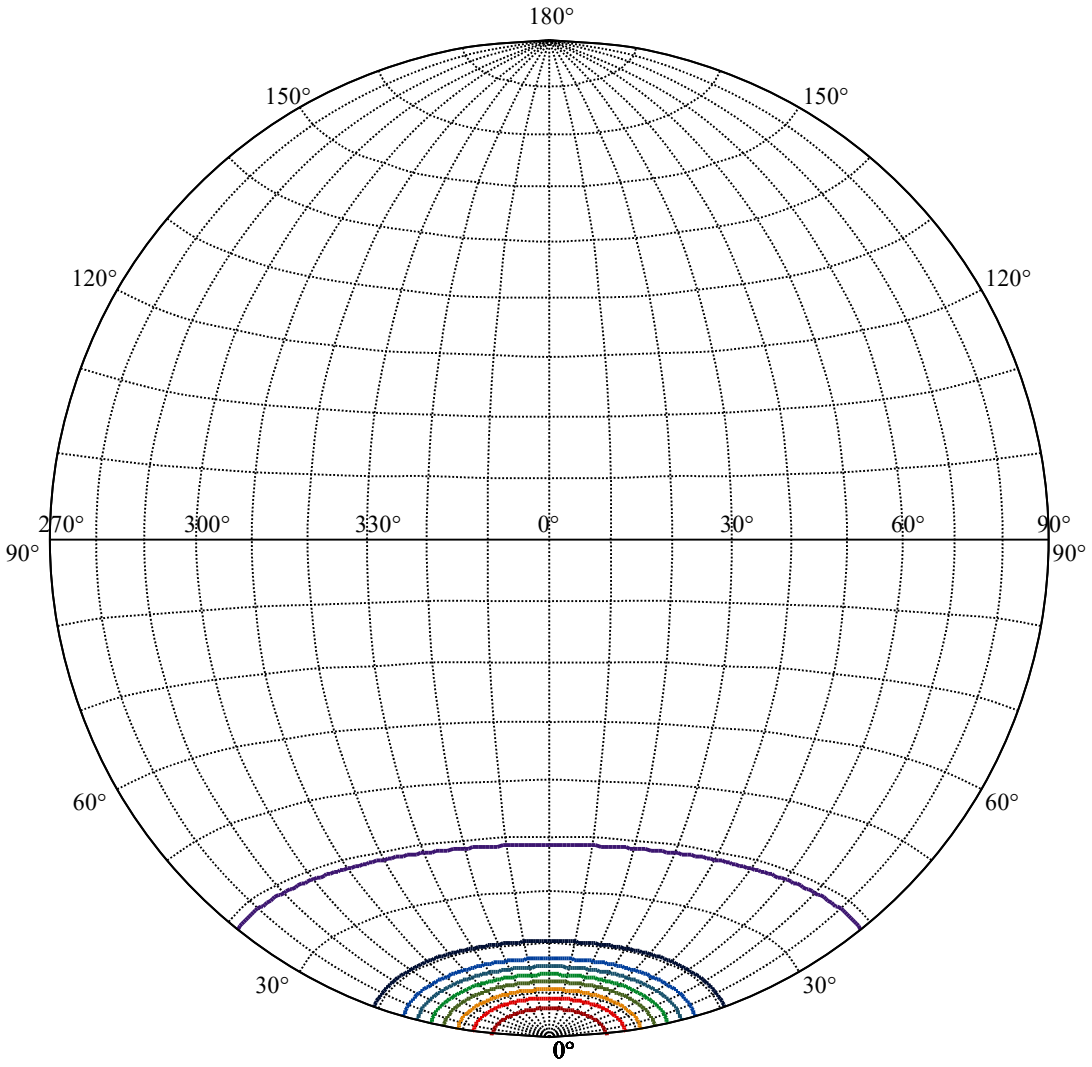
Max , Ave

Beam angle of C0 plane 27.50



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/12/24
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4752.93

(10%Imax) 475.293
(20%Imax) 950.586
(30%Imax) 1425.88
(40%Imax) 1901.17
(50%Imax) 2376.46
(60%Imax) 2851.76
(70%Imax) 3327.05
(80%Imax) 3802.34
(90%Imax) 4277.64

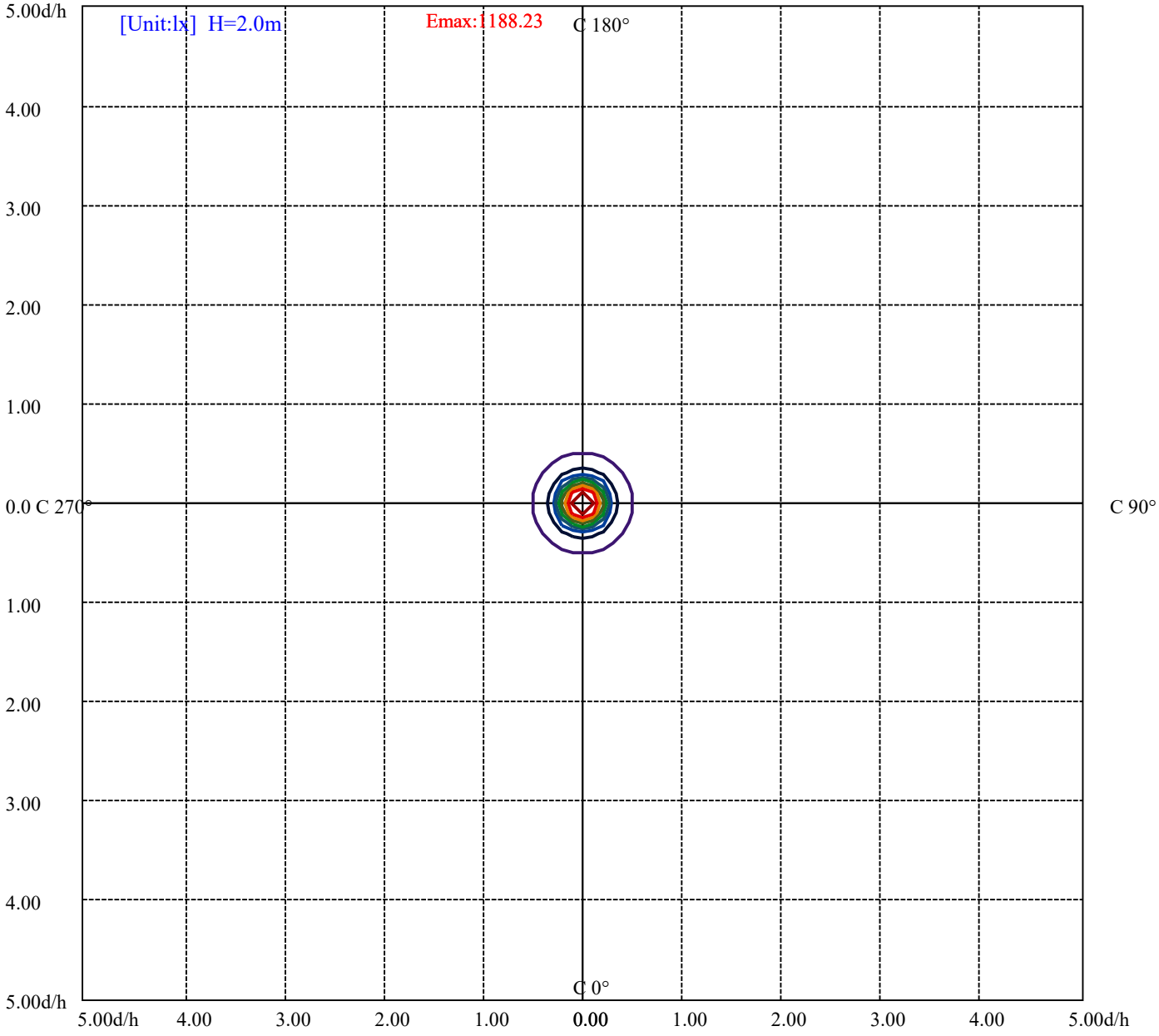
Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/12/24
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 7.50

NT NT 1-1741-LM

ISO illuminance diagram



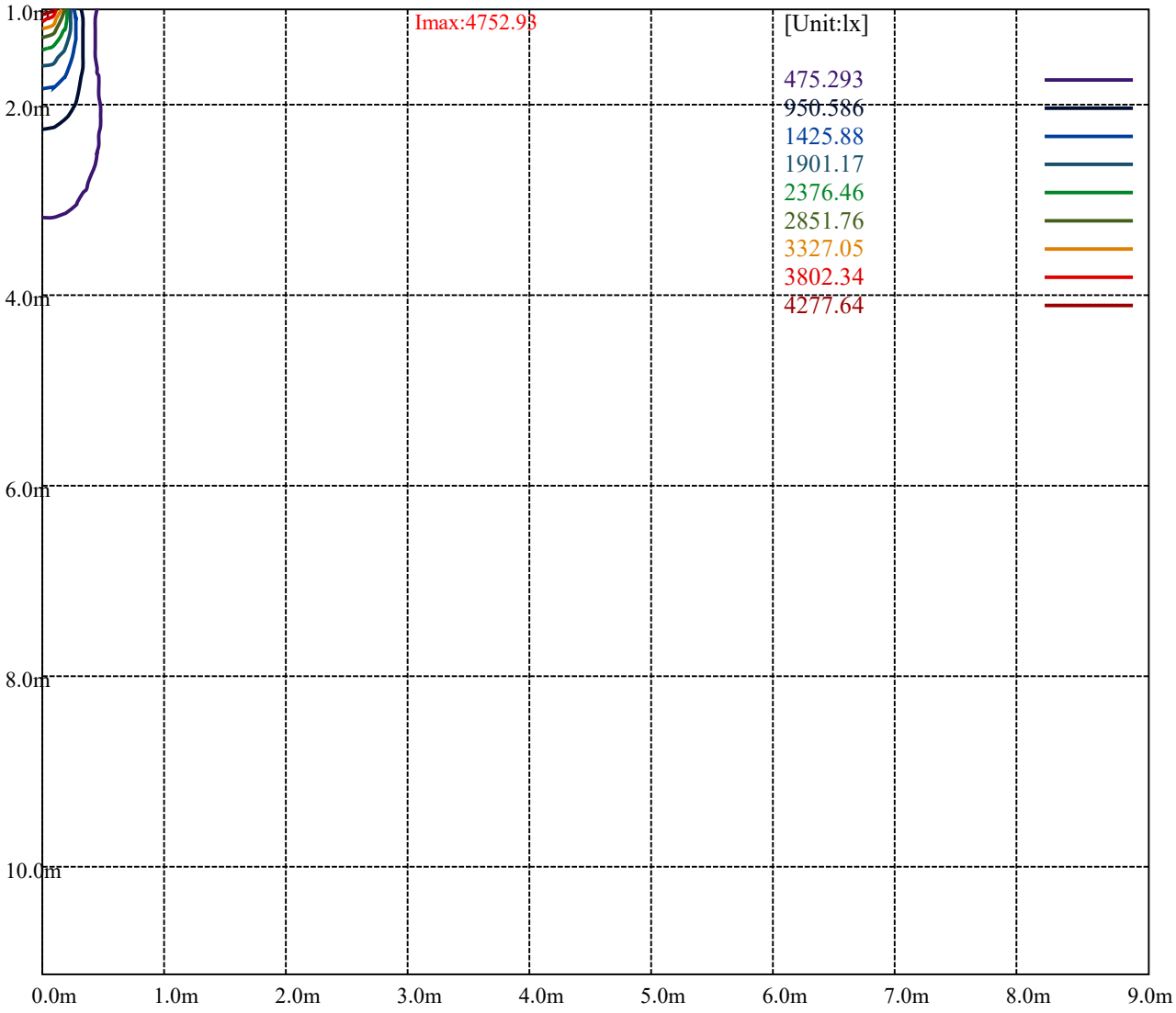
(10%Emax) 118.8232
(20%Emax) 237.6465
(30%Emax) 356.47
(40%Emax) 475.2925
(50%Emax) 594.115
(60%Emax) 712.94
(70%Emax) 831.7625
(80%Emax) 950.585
(90%Emax) 1069.407

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/12/24
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/12/24
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 7.50

NT NT 1-1741-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

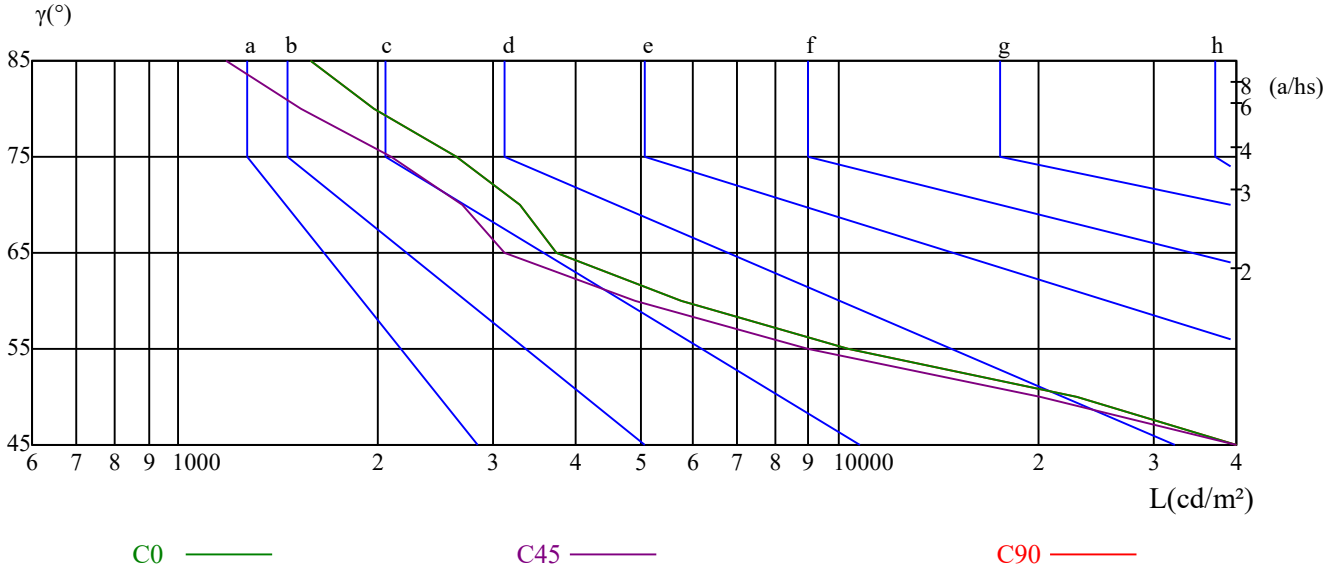
γ	45	50	55	60	65	70	75	80	85
C0	117311	22985	10351	5760	3743	3281	2630	1979	1586
C45	104465	20186	8956	4902	3127	2684	2098	1532	1181
C90	117311	22985	10351	5760	3743	3281	2630	1979	1586

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7131	7131	7131	6775	6775	6775	9243	9243	9243

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

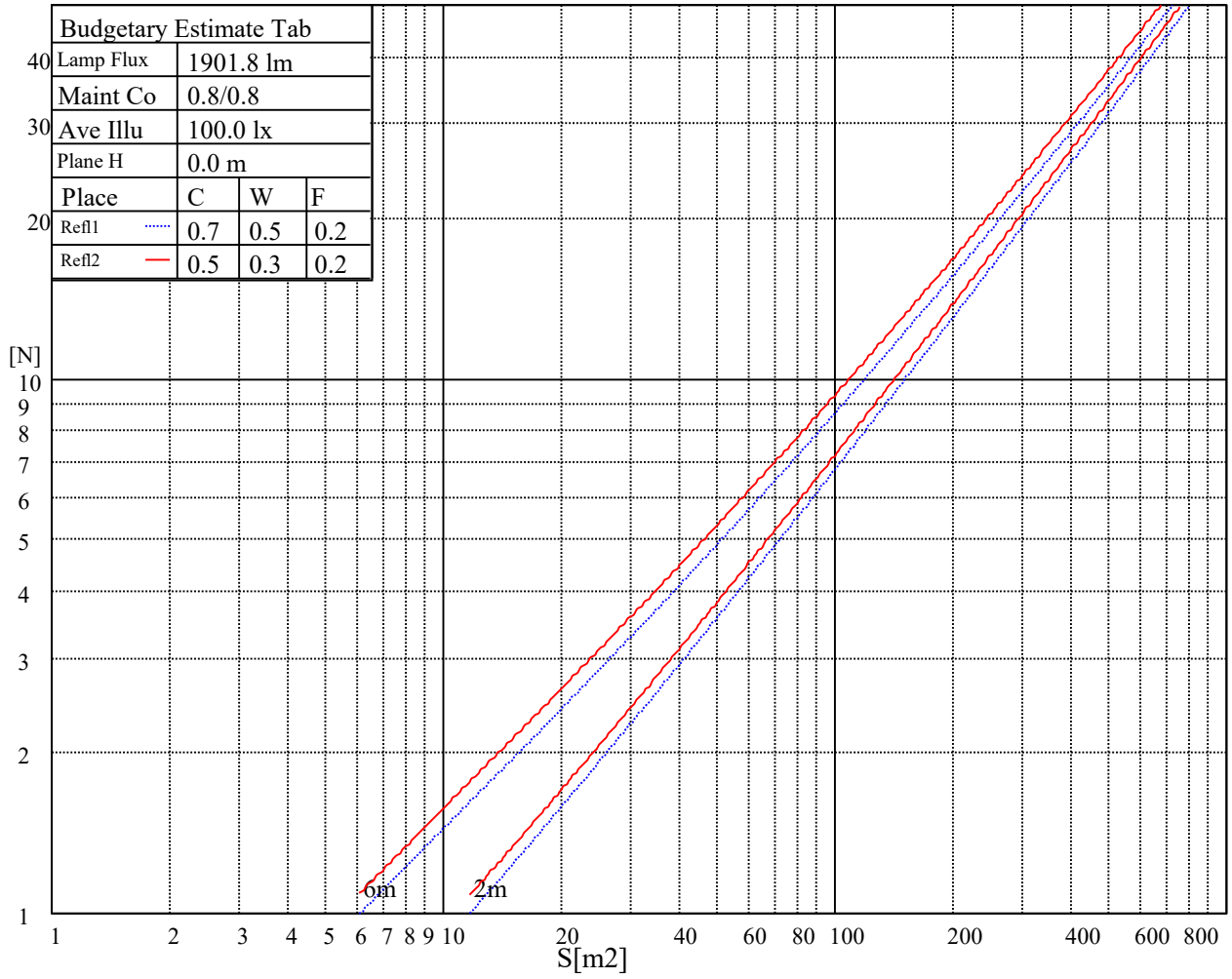


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	23.21	24.23	23.57	24.54	24.86	22.98	24.00	23.34	24.31	24.63
	3H	23.02	23.93	23.41	24.27	24.61	22.79	23.70	23.18	24.04	24.38
	4H	22.93	23.77	23.33	24.12	24.49	22.70	23.54	23.10	23.89	24.26
	6H	22.85	23.62	23.27	24.00	24.39	22.61	23.38	23.03	23.76	24.16
	8H	22.78	23.51	23.20	23.90	24.31	22.54	23.27	22.96	23.66	24.07
	12H	22.72	23.41	23.14	23.80	24.22	22.47	23.17	22.90	23.56	23.98
4H	2H	22.92	23.76	23.32	24.12	24.48	22.69	23.53	23.09	23.89	24.25
	3H	22.71	23.41	23.14	23.80	24.22	22.48	23.18	22.91	23.57	23.99
	4H	22.65	23.25	23.09	23.67	24.12	22.42	23.01	22.85	23.44	23.89
	6H	22.52	23.05	22.99	23.50	23.95	22.28	22.81	22.75	23.26	23.71
	8H	22.47	22.96	22.95	23.42	23.89	22.22	22.71	22.71	23.17	23.65
	12H	22.42	22.88	22.91	23.33	23.85	22.17	22.63	22.66	23.08	23.60
8H	4H	22.45	22.94	22.94	23.40	23.88	22.22	22.71	22.71	23.17	23.64
	6H	22.31	22.72	22.82	23.20	23.71	22.07	22.48	22.58	22.95	23.47
	8H	22.31	22.65	22.84	23.17	23.67	22.06	22.40	22.59	22.92	23.42
	12H	22.26	22.53	22.80	23.05	23.57	22.01	22.27	22.55	22.79	23.31
12H	4H	22.40	22.85	22.89	23.31	23.83	22.17	22.62	22.66	23.07	23.59
	6H	22.30	22.64	22.83	23.16	23.66	22.06	22.40	22.59	22.92	23.42
	8H	22.25	22.52	22.79	23.04	23.56	22.01	22.27	22.55	22.79	23.31

Variation with the observer position at spacings:		
S = 1.0H	3.2/-11.8	3.2/-11.8
S = 1.5H	5.0/-13.6	5.0/-13.6
S = 2.0H	7.0/-13.6	7.0/-13.6
Standard tables:	BK0	BK0
Uncorrected UGR	3.9	3.9

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

Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/12/24 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.50

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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.90
2	0.99	0.96	0.93	0.98	0.94	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.84
3	0.93	0.89	0.85	0.92	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.79
4	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.69	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.66
7	0.74	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.64	0.63
8	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
9	0.68	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.65	0.61	0.58	0.57
10	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.54

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	4760.38	4759.26	4744.63	4693.44	4618.07	4478.01	4330.07	4152.88	3903.13
45.0	4741.82	4749.69	4744.63	4731.69	4709.19	4637.19	4542.13	4419.51	4229.94
90.0	4756.44	4749.69	4714.26	4675.44	4582.63	4464.51	4316.57	4101.69	3972.32
135.0	4753.07	4740.69	4732.82	4680.51	4609.07	4547.76	4389.69	4220.94	4022.94
180.0	4760.38	4753.07	4737.88	4716.51	4657.44	4602.32	4380.69	4204.07	4083.69
225.0	4741.82	4732.82	4710.88	4639.44	4528.07	4384.07	4164.13	4040.38	3697.82
270.0	4756.44	4759.26	4759.82	4750.26	4696.26	4611.88	4489.82	4307.01	4123.07
315.0	4753.07	4757.01	4741.26	4667.01	4607.94	4492.63	4343.01	4162.44	3908.76
360.0	4760.38	4759.26	4744.63	4693.44	4618.07	4478.01	4330.07	4152.88	3903.13

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3758.57	3493.63	3210.13	2903.01	2517.69	2320.82	1995.69	1701.51	1452.32
45.0	4038.13	3821.01	3566.19	3392.94	3021.13	2690.38	2352.32	2033.94	1686.88
90.0	3620.19	3267.51	3083.01	2773.07	2460.32	2144.76	1771.82	1607.57	1277.94
135.0	3790.07	3635.94	3296.19	2987.38	2669.57	2346.13	2156.57	1792.63	1425.32
180.0	3797.38	3529.07	3235.44	2918.76	2725.82	2327.01	2006.94	1708.26	1448.94
225.0	3355.26	3171.32	2846.76	2512.07	2193.69	1829.76	1660.44	1410.69	1068.24
270.0	3898.63	3640.44	3470.57	3103.26	2789.38	2474.38	2157.13	1965.88	1615.44
315.0	3765.88	3394.63	3038.01	2852.94	2538.51	2226.88	1922.57	1586.76	1441.63
360.0	3758.57	3493.63	3210.13	2903.01	2517.69	2320.82	1995.69	1701.51	1452.32

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1061.44	1061.44	1022.46	923.68	882.90	802.80	753.24	739.52	704.31
45.0	1439.94	1247.01	1153.63	1006.82	915.13	839.19	776.76	742.44	689.57
90.0	1071.96	1047.21	939.49	857.42	797.34	737.66	713.42	679.28	652.39
135.0	1296.51	1100.19	980.94	892.63	828.51	795.88	743.57	708.69	681.69
180.0	1320.13	1118.19	948.88	896.01	816.13	760.44	717.13	680.01	659.76
225.0	1068.24	950.06	862.20	800.72	741.43	715.95	680.46	653.18	630.00
270.0	1378.63	1201.44	1041.69	944.94	874.07	818.38	790.82	744.69	715.44
315.0	1062.00	1062.00	1003.28	921.43	855.73	803.98	753.75	733.05	695.08
360.0	1061.44	1061.44	1022.46	923.68	882.90	802.80	753.24	739.52	704.31

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	680.68	661.50	642.26	633.83	621.56	610.26	597.83	579.83	570.99
45.0	656.94	629.94	609.69	598.44	580.44	560.76	555.13	542.19	526.44
90.0	628.65	615.99	603.11	590.51	576.28	570.32	558.73	546.98	537.98
135.0	662.01	651.32	633.32	622.07	612.51	602.94	593.38	579.88	570.88
180.0	622.63	602.94	589.44	578.76	572.57	557.38	545.57	532.63	521.94
225.0	614.03	604.41	586.52	575.55	568.41	553.44	541.35	530.78	511.14
270.0	690.69	670.44	660.88	638.38	624.88	618.13	606.88	590.57	575.94
315.0	682.37	663.41	644.29	630.90	618.81	604.91	597.15	582.36	567.73
360.0	680.68	661.50	642.26	633.83	621.56	610.26	597.83	579.83	570.99

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	558.17	528.02	510.02	474.13	450.68	390.99	335.98	307.52	262.80
45.0	514.63	504.51	495.51	465.69	438.13	409.44	372.88	351.51	303.69
90.0	523.13	512.10	474.24	455.74	420.64	369.90	327.26	281.81	227.25
135.0	565.26	547.26	521.38	486.51	448.82	422.94	349.82	300.32	291.32
180.0	513.51	497.19	470.76	452.76	412.82	375.13	334.63	294.69	286.82
225.0	498.83	473.29	441.28	407.59	361.86	318.04	275.23	222.58	198.68
270.0	563.57	554.01	527.01	496.07	457.82	416.76	390.32	334.07	315.51
315.0	554.01	528.53	511.43	478.01	414.39	387.17	339.53	309.43	240.81
360.0	558.17	528.02	510.02	474.13	450.68	390.99	335.98	307.52	262.80

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	215.04	170.10	119.93	96.64	64.13	41.40	27.68	25.59	23.57
45.0	303.69	287.94	175.05	135.73	101.36	67.28	57.66	39.04	32.51
90.0	200.08	154.97	114.86	80.33	51.58	42.86	33.36	29.19	27.17
135.0	291.32	176.29	133.03	96.19	60.98	41.51	30.32	28.29	24.13
180.0	244.41	174.60	150.81	106.88	75.66	52.71	36.62	32.96	28.80
225.0	158.01	121.22	89.27	57.26	47.19	36.73	33.08	32.06	28.74
270.0	315.51	188.66	144.11	103.67	68.85	52.14	26.04	22.22	20.93
315.0	183.15	155.19	111.60	75.83	46.52	25.14	18.51	15.36	13.22
360.0	215.04	170.10	119.93	96.64	64.13	41.40	27.68	25.59	23.57

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.43	18.90	17.44	15.13	13.39	11.70	10.07	9.17	7.71
45.0	30.94	27.96	25.48	23.01	19.97	18.11	14.51	12.21	10.52
90.0	23.68	20.25	17.27	14.63	13.39	12.26	11.08	9.90	8.72
135.0	20.81	18.06	15.47	14.18	12.04	10.97	10.07	9.17	8.66
180.0	24.69	22.44	18.34	15.53	13.33	12.04	11.36	10.01	8.55
225.0	26.83	22.33	18.90	17.21	14.40	12.38	10.52	8.78	8.16
270.0	18.17	15.47	12.99	11.31	10.41	9.06	8.16	7.20	6.19
315.0	11.08	8.78	7.20	5.96	5.01	4.89	5.01	5.06	5.01
360.0	21.43	18.90	17.44	15.13	13.39	11.70	10.07	9.17	7.71

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.75	6.58	5.96	5.68	5.46	5.34	5.34	5.29	5.18
45.0	8.78	7.76	7.14	6.64	6.41	5.96	5.85	5.63	5.40
90.0	8.21	7.37	6.53	6.24	5.79	5.51	5.12	4.56	4.39
135.0	7.20	6.53	6.13	5.51	4.95	4.61	4.33	4.16	3.99
180.0	8.10	7.59	6.98	6.58	6.36	6.13	5.74	5.23	5.01
225.0	7.43	6.92	6.53	6.13	6.02	5.68	5.46	5.34	5.06
270.0	5.85	5.18	4.61	4.39	4.33	4.33	4.39	4.50	4.50
315.0	5.01	4.95	4.95	4.89	4.73	4.61	4.67	4.56	4.44
360.0	6.75	6.58	5.96	5.68	5.46	5.34	5.34	5.29	5.18

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.01	4.67	4.50	4.16	3.54	3.38	3.21	3.04	2.93
45.0	5.29	4.84	4.28	4.16	3.94	3.43	3.15	2.93	2.81
90.0	3.94	3.49	3.15	2.64	2.42	2.14	1.97	1.86	1.80
135.0	3.71	3.49	3.09	2.93	2.53	2.19	1.97	1.91	1.80
180.0	4.78	4.50	4.11	3.71	3.38	2.87	2.76	2.48	2.36
225.0	4.89	4.56	4.22	3.99	3.66	3.43	3.21	3.04	2.81
270.0	4.39	4.16	3.94	3.66	3.15	2.87	2.59	2.48	2.31
315.0	4.28	4.05	3.60	3.15	2.59	2.42	2.25	2.14	2.08
360.0	5.01	4.67	4.50	4.16	3.54	3.38	3.21	3.04	2.93

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.76	2.64	2.59	2.53	2.31	2.14	1.86	1.63	1.58
45.0	2.53	2.31	2.14	1.80	1.58	1.35	1.18	1.07	1.01
90.0	1.63	1.52	1.46	1.29	1.24	1.18	1.13	1.13	1.07
135.0	1.74	1.63	1.52	1.46	1.41	1.35	1.35	1.35	1.35
180.0	2.25	2.14	1.97	1.86	1.69	1.69	1.69	1.63	1.69
225.0	2.59	2.42	2.19	1.97	1.63	1.35	1.18	1.07	0.90
270.0	2.25	2.19	2.14	2.14	1.91	1.63	1.46	1.35	1.24
315.0	2.08	1.80	1.63	1.35	1.29	1.24	1.24	1.18	1.24
360.0	2.76	2.64	2.59	2.53	2.31	2.14	1.86	1.63	1.58

Intensity data(cd)

C/γ(°)	90.0
0.0	1.58
45.0	0.90
90.0	1.13
135.0	1.41
180.0	1.58
225.0	0.90
270.0	1.13
315.0	1.24
360.0	1.58