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Nata

Client: NT
LumCAT: 3-2995-LM2
Luminaire: BJB47.360.2100
Report No: 20260513-B004
Ballast type: DC

Test No: 20260513-C004	Voltage(V): 51.040
LampCAT: Bridgelux V22 GEN8	Current(A): 0.954
Lamp flux(lm): 8107.8	Power (W): 48.640
Number of Lamps: 1	PF: 0.000
Length(mm): 92	Width(mm): 92
Phm Type: C	Height(mm): 49

Photometric Results

Lumens(lm): 7813.35, Efficiency(%): 96.37% , Luminous Efficacy(lm/W): 160.64
Central intensity(cd): 29965.630, Maximum intensity(cd): 29965.630
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.6
[C90/270]Total=22.6
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.37%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.379%

Equipment: GMS1980	Date: 2026/5/13	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.16

NT Nata 3-2995-LM2

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	29965.627	0.000	0	0.00%	0.00%
1.0	29861.793	28.626	28.626	0.35%	0.37%
2.0	29451.705	85.132	113.759	1.05%	1.46%
3.0	28793.047	139.302	253.061	1.72%	3.24%
4.0	27927.770	189.863	442.924	2.34%	5.67%
5.0	26792.945	235.406	678.329	2.90%	8.68%
6.0	25299.426	273.759	952.088	3.38%	12.19%
7.0	23220.047	301.160	1253.248	3.71%	16.04%
8.0	21296.102	318.594	1571.842	3.93%	20.12%
9.0	19767.236	332.796	1904.638	4.10%	24.38%
10.0	16963.971	332.404	2237.041	4.10%	28.63%
11.0	15512.090	324.503	2561.544	4.00%	32.78%
12.0	13721.649	319.567	2881.111	3.94%	36.87%
13.0	11984.384	305.066	3186.176	3.76%	40.78%
14.0	10381.682	286.284	3472.46	3.53%	44.44%
15.0	8995.456	266.018	3738.478	3.28%	47.85%
16.0	7800.746	246.111	3984.589	3.04%	51.00%
17.0	6890.160	228.777	4213.366	2.82%	53.93%
18.0	6114.453	214.418	4427.784	2.64%	56.67%
19.0	5478.134	201.687	4629.471	2.49%	59.25%
20.0	4947.221	190.813	4820.284	2.35%	61.69%
21.0	4557.479	182.509	5002.794	2.25%	64.03%
22.0	4279.437	177.582	5180.375	2.19%	66.30%
23.0	3879.753	171.202	5351.577	2.11%	68.49%
24.0	3669.465	165.053	5516.63	2.04%	70.61%
25.0	3451.740	161.921	5678.551	2.00%	72.68%
26.0	3230.240	157.729	5836.279	1.95%	74.70%
27.0	3075.224	154.265	5990.544	1.90%	76.67%
28.0	2937.934	152.240	6142.784	1.88%	78.62%
29.0	2819.627	150.634	6293.418	1.86%	80.55%
30.0	2697.334	148.957	6442.375	1.84%	82.45%
31.0	2556.897	146.218	6588.593	1.80%	84.32%
32.0	2424.641	142.715	6731.308	1.76%	86.15%
33.0	2186.444	135.844	6867.152	1.68%	87.89%
34.0	2054.187	128.334	6995.486	1.58%	89.53%
35.0	1842.819	121.027	7116.513	1.49%	91.08%
36.0	1629.709	110.566	7227.079	1.36%	92.50%
37.0	1463.010	100.867	7327.946	1.24%	93.79%

NT Nata 3-2995-LM2

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1260.241	90.898	7418.844	1.12%	94.95%
39.0	1045.736	78.709	7497.554	0.97%	95.96%
40.0	841.678	65.826	7563.38	0.81%	96.80%
41.0	640.200	52.769	7616.149	0.65%	97.48%
42.0	506.255	41.653	7657.802	0.51%	98.01%
43.0	346.142	31.575	7689.377	0.39%	98.41%
44.0	214.798	21.171	7710.548	0.26%	98.68%
45.0	170.150	14.794	7725.342	0.18%	98.87%
46.0	82.972	9.899	7735.242	0.12%	99.00%
47.0	40.831	4.924	7740.165	0.06%	99.06%
48.0	31.947	2.942	7743.108	0.04%	99.10%
49.0	27.532	2.443	7745.55	0.03%	99.13%
50.0	24.438	2.167	7747.717	0.03%	99.16%
51.0	22.151	1.971	7749.688	0.02%	99.19%
52.0	20.892	1.847	7751.535	0.02%	99.21%
53.0	20.032	1.780	7753.315	0.02%	99.23%
54.0	19.319	1.734	7755.05	0.02%	99.25%
55.0	18.721	1.698	7756.748	0.02%	99.28%
56.0	18.155	1.666	7758.414	0.02%	99.30%
57.0	17.715	1.640	7760.054	0.02%	99.32%
58.0	17.327	1.620	7761.675	0.02%	99.34%
59.0	17.033	1.606	7763.281	0.02%	99.36%
60.0	16.781	1.597	7764.878	0.02%	99.38%
61.0	16.592	1.593	7766.471	0.02%	99.40%
62.0	16.362	1.588	7768.059	0.02%	99.42%
63.0	16.215	1.584	7769.643	0.02%	99.44%
64.0	16.078	1.585	7771.228	0.02%	99.46%
65.0	15.932	1.584	7772.812	0.02%	99.48%
66.0	15.848	1.586	7774.398	0.02%	99.50%
67.0	15.732	1.588	7775.986	0.02%	99.52%
68.0	15.669	1.591	7777.576	0.02%	99.54%
69.0	15.596	1.595	7779.171	0.02%	99.56%
70.0	15.512	1.598	7780.769	0.02%	99.58%
71.0	15.470	1.601	7782.37	0.02%	99.60%
72.0	15.397	1.605	7783.975	0.02%	99.62%
73.0	15.365	1.609	7785.584	0.02%	99.64%
74.0	15.323	1.613	7787.197	0.02%	99.67%
75.0	15.292	1.618	7788.815	0.02%	99.69%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.260	1.622	7790.437	0.02%	99.71%
77.0	15.218	1.625	7792.062	0.02%	99.73%
78.0	15.187	1.628	7793.689	0.02%	99.75%
79.0	15.176	1.631	7795.321	0.02%	99.77%
80.0	15.166	1.636	7796.956	0.02%	99.79%
81.0	15.134	1.639	7798.595	0.02%	99.81%
82.0	15.103	1.640	7800.235	0.02%	99.83%
83.0	15.103	1.642	7801.877	0.02%	99.85%
84.0	15.061	1.643	7803.52	0.02%	99.87%
85.0	15.019	1.642	7805.162	0.02%	99.90%
86.0	14.967	1.639	7806.801	0.02%	99.92%
87.0	14.977	1.639	7808.44	0.02%	99.94%
88.0	14.946	1.639	7810.079	0.02%	99.96%
89.0	14.914	1.637	7811.715	0.02%	99.98%
90.0	14.946	1.637	7813.353	0.02%	100.00%

Zonal flux distribution table

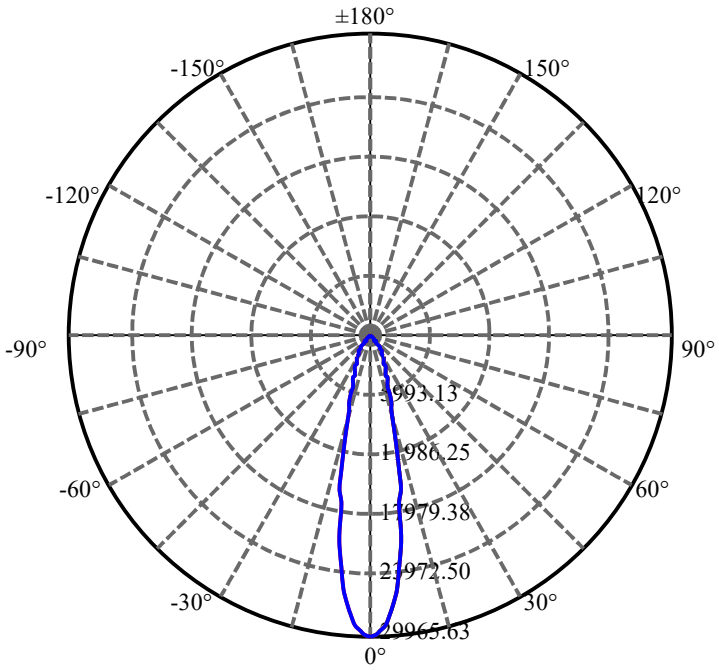
ZONAL LUMEN SUMMARY

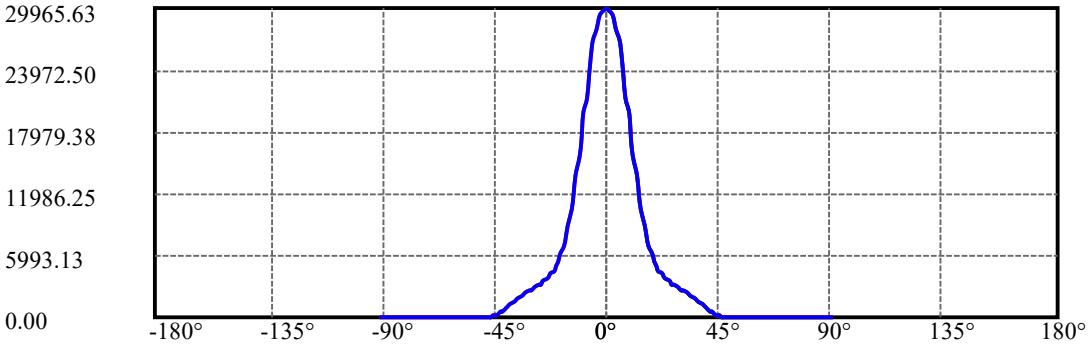
Zone	Lumens	%Lamp	%Fixt
0-30	6442.38	79.46%	82.45%
0-40	7563.38	93.29%	96.80%
0-60	7764.88	95.77%	99.38%
0-90	7811.72	96.35%	99.98%
0-120	7811.72	96.35%	99.98%
0-180	7813.35	96.37%	100.00%
60-90	46.84	0.58%	0.60%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.72	6250.68	77.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	2237.04
10-20	2583.24
20-30	1622.09
30-40	1121.00
40-50	184.34
50-60	17.16
60-70	15.89
70-80	16.19
80-90	14.76
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:

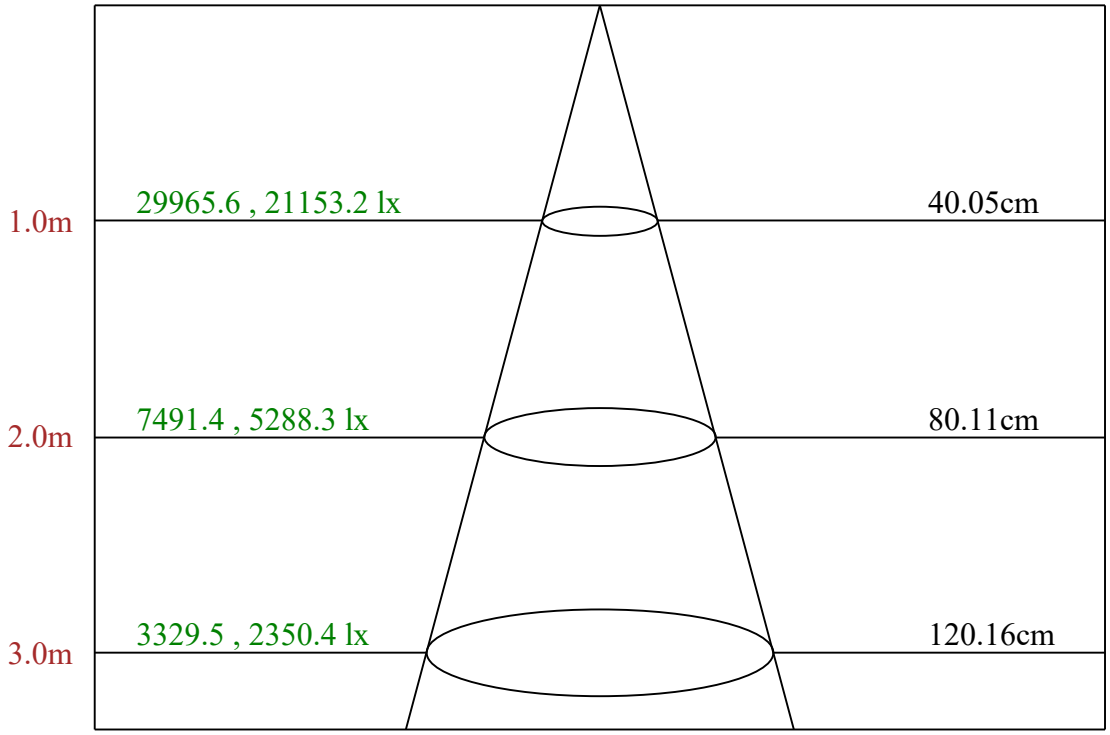
C90/C270:

Field angle(10%Imax):C0/180Left:27.6 Right:27.6
:C90/270Left:27.6 Right:27.6

Beam Angle(50%Imax):C0/180Left:11.3 Right:11.3
:C90/270Left:11.3 Right:11.3

Equipment: GMS1980 Date: 2026/5/13 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.16

Lux distance Curve

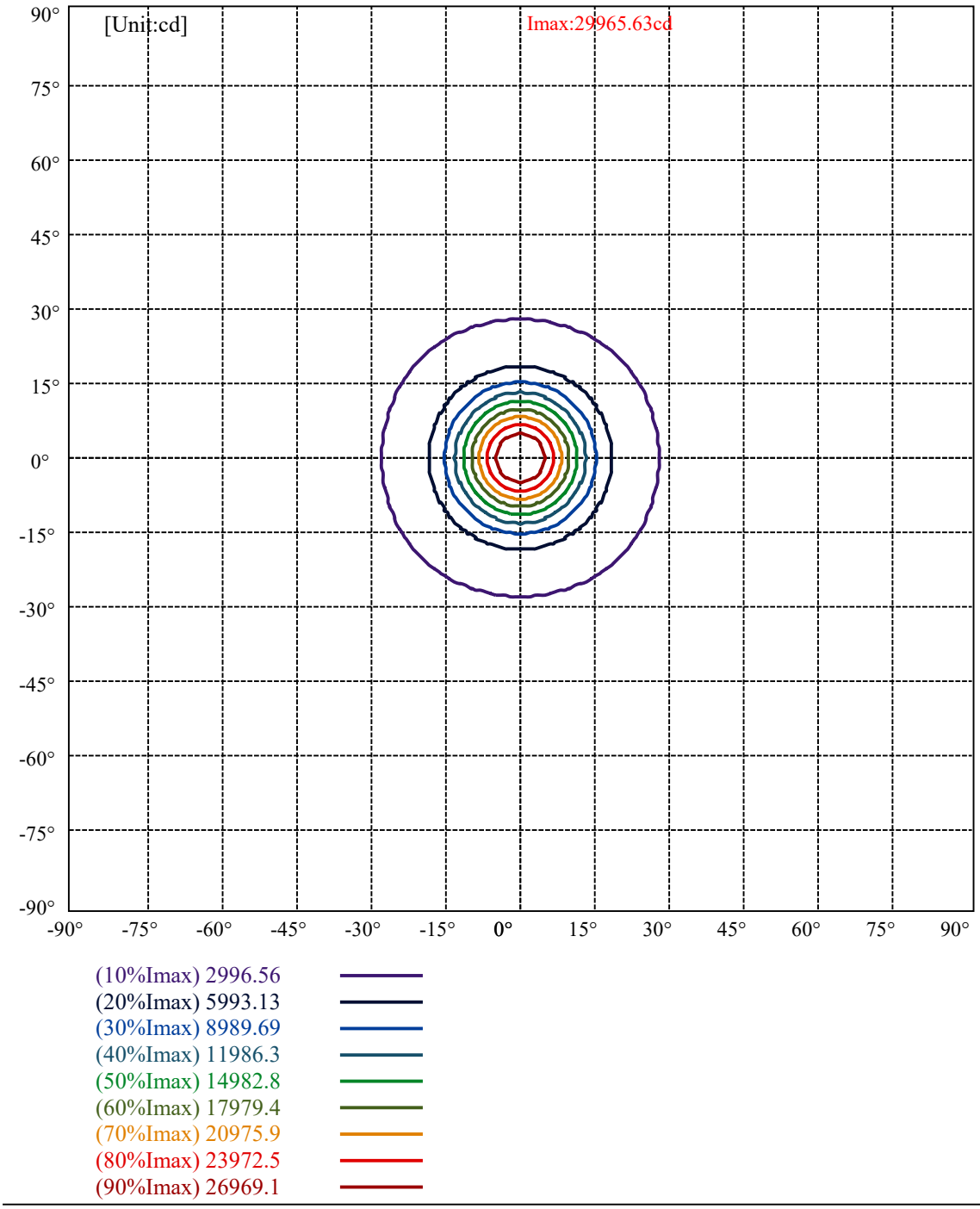


Max , Ave

Beam angle of C0 plane 22.65

Equipment: GMS1980	Date: 2026/5/13	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.16

ISO-Intensity(V-H)



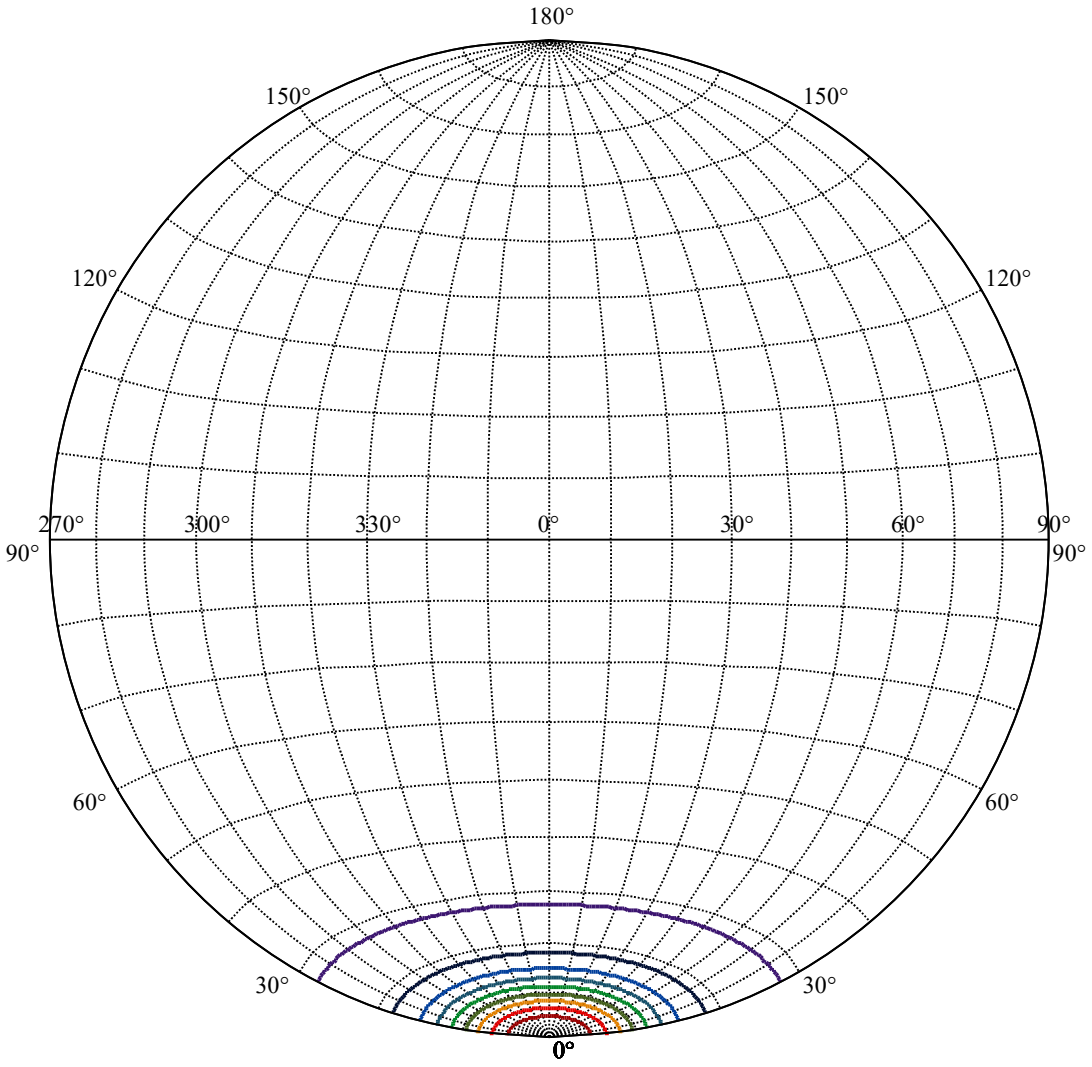
(10%Imax) 2996.56
(20%Imax) 5993.13
(30%Imax) 8989.69
(40%Imax) 11986.3
(50%Imax) 14982.8
(60%Imax) 17979.4
(70%Imax) 20975.9
(80%Imax) 23972.5
(90%Imax) 26969.1

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/13
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

ISO candela diagram on circular web



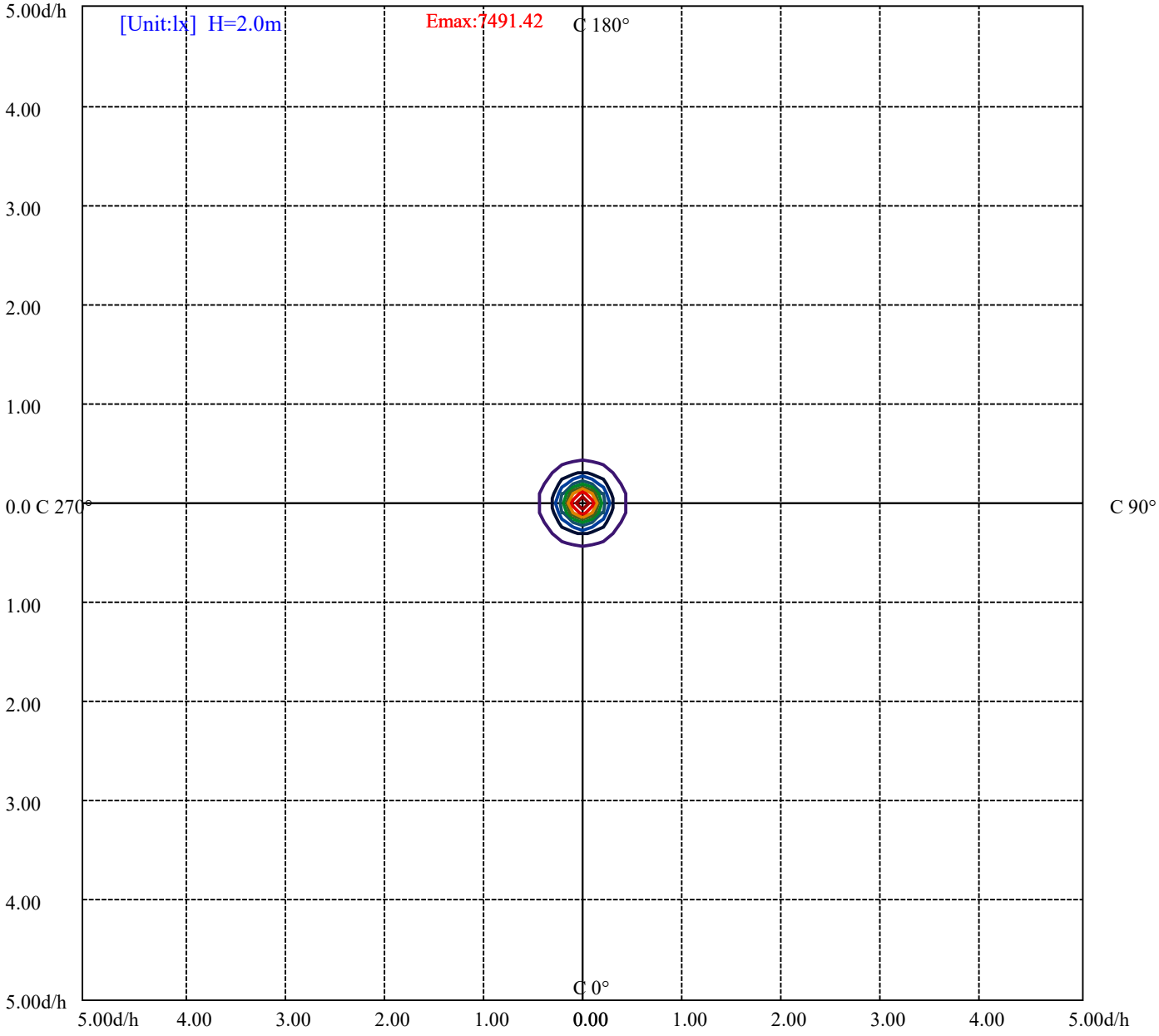
House [Unit:cd] Road

Imax:29965.63

(10%Imax) 2996.56
(20%Imax) 5993.13
(30%Imax) 8989.69
(40%Imax) 11986.3
(50%Imax) 14982.8
(60%Imax) 17979.4
(70%Imax) 20975.9
(80%Imax) 23972.5
(90%Imax) 26969.1

NT Nata 3-2995-LM2

ISO illuminance diagram

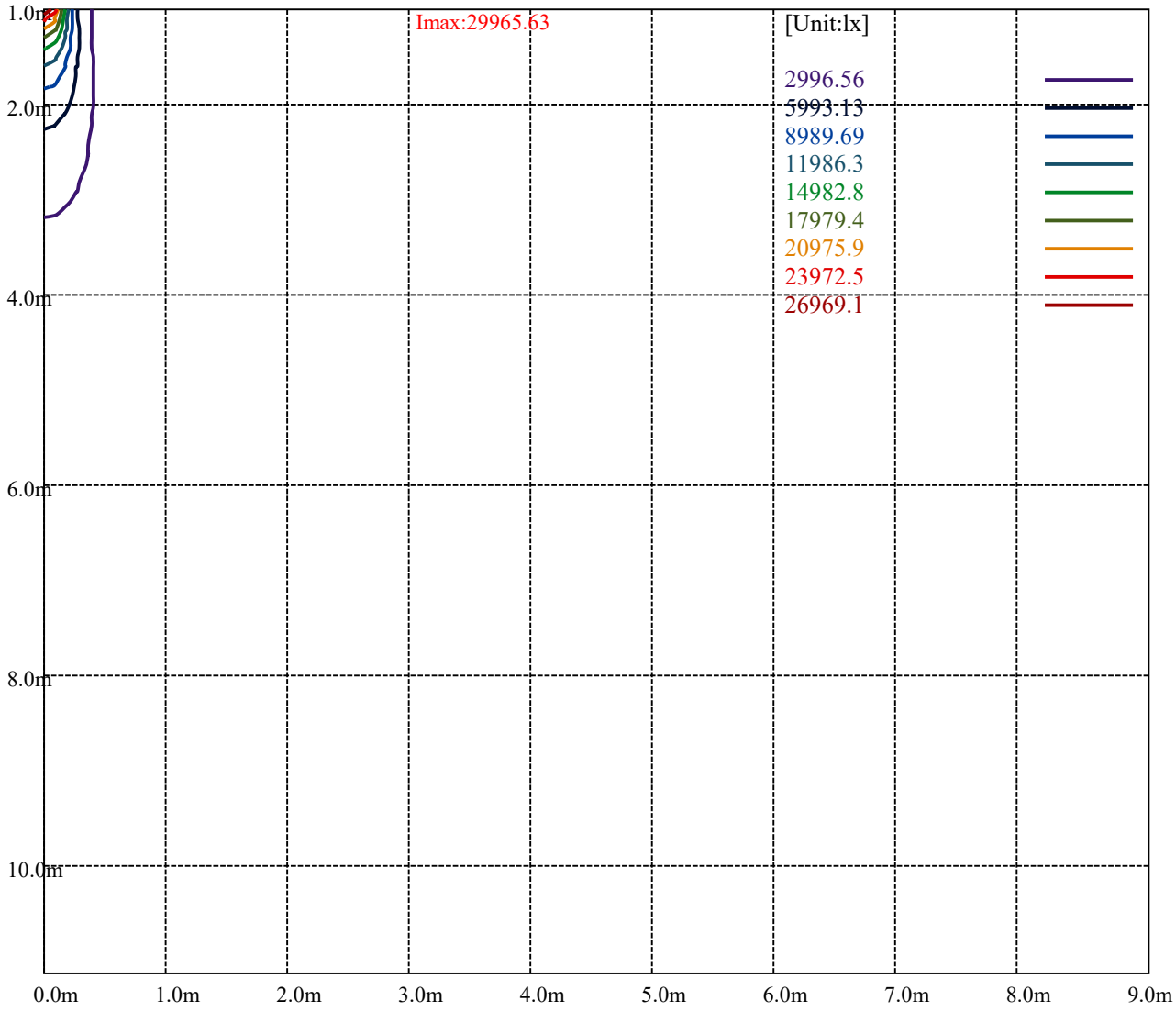


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/13
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/13
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

NT Nata 3-2995-LM2

Luminance Limitting Curve(no luminous side)

Luminance Table

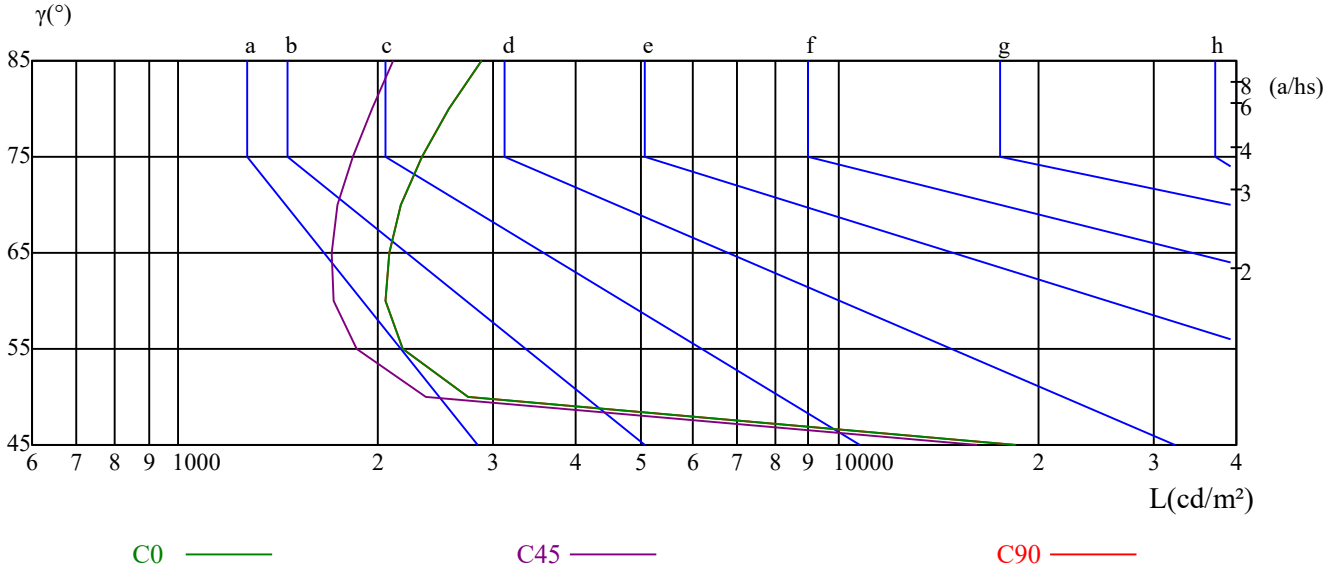
γ	45	50	55	60	65	70	75	80	85
C0	18550	2748	2190	2063	2079	2175	2336	2566	2873
C45	16216	2367	1858	1721	1703	1746	1832	1957	2119
C90	18550	2748	2190	2063	2079	2175	2336	2566	2873

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4454	4454	4454	6981	6981	6981	20360	20360	20360

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



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/13
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

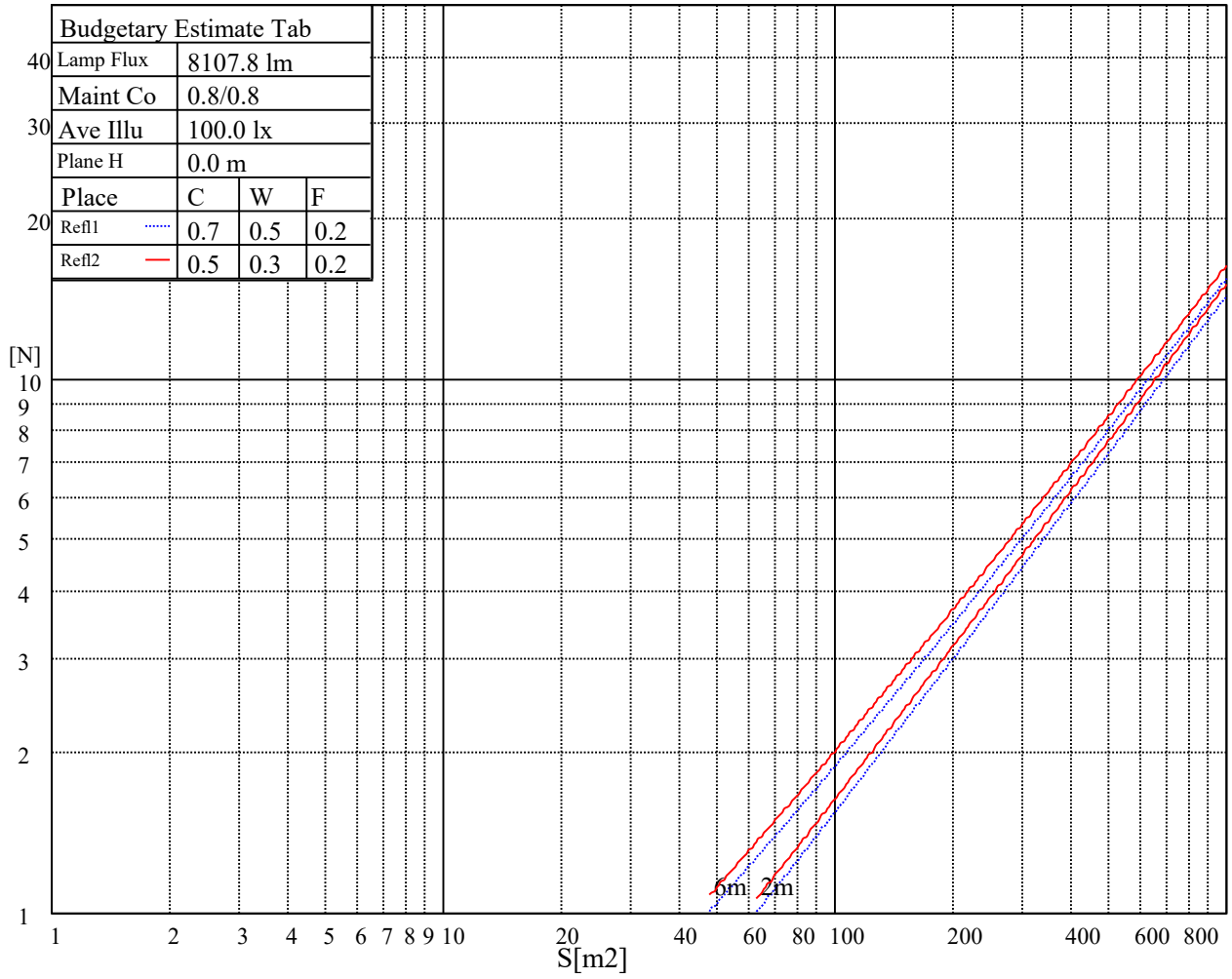
Illumination assessment according UGR

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	20.47	21.39	20.83	21.70	22.01	20.47	21.39	20.83	21.70	22.02
	3H	20.26	21.08	20.65	21.42	21.76	20.26	21.08	20.65	21.42	21.76
	4H	20.16	20.92	20.56	21.27	21.64	20.16	20.92	20.57	21.28	21.64
	6H	20.09	20.78	20.51	21.16	21.56	20.09	20.78	20.51	21.16	21.56
	8H	20.02	20.68	20.45	21.07	21.48	20.03	20.68	20.45	21.07	21.48
	12H	19.97	20.59	20.40	20.99	21.41	19.97	20.59	20.40	20.99	21.41
4H	2H	20.14	20.90	20.54	21.25	21.62	20.14	20.90	20.55	21.25	21.62
	3H	19.90	20.53	20.33	20.93	21.35	19.90	20.54	20.33	20.93	21.35
	4H	19.84	20.38	20.27	20.81	21.26	19.84	20.38	20.28	20.81	21.26
	6H	19.72	20.20	20.20	20.66	21.11	19.72	20.20	20.20	20.66	21.11
	8H	19.69	20.13	20.17	20.59	21.07	19.69	20.13	20.17	20.59	21.07
	12H	19.67	20.08	20.16	20.53	21.05	19.67	20.08	20.16	20.53	21.05
8H	4H	19.64	20.08	20.12	20.54	21.01	19.64	20.08	20.12	20.54	21.02
	6H	19.52	19.89	20.03	20.37	20.88	19.52	19.89	20.03	20.37	20.88
	8H	19.55	19.85	20.08	20.37	20.87	19.55	19.85	20.08	20.37	20.87
	12H	19.55	19.78	20.09	20.29	20.82	19.55	19.78	20.09	20.29	20.82
12H	4H	19.58	19.99	20.07	20.45	20.97	19.59	19.99	20.08	20.45	20.97
	6H	19.51	19.81	20.05	20.34	20.84	19.51	19.82	20.05	20.34	20.84
	8H	19.51	19.73	20.05	20.25	20.78	19.51	19.73	20.05	20.25	20.78

Variation with the observer position at spacings:		
S = 1.0H	5.1/-13.6	5.1/-13.6
S = 1.5H	7.9/-11.6	7.9/-11.6
S = 2.0H	9.8/-10.3	9.8/-10.3
Standard tables:	BK0	BK0
Uncorrected UGR	0.2	0.2

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

Budgetary Estimate Table



Equipment: GMS1980 Date: 2026/5/13 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.16

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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.96
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92
2	1.02	0.99	0.96	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.92	0.90	0.89	0.87
3	0.97	0.93	0.89	0.95	0.92	0.89	0.93	0.90	0.87	0.91	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.87	0.84	0.91	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.79
5	0.88	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.76
6	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.80	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62

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	30169.10	30269.78	30068.41	29564.98	28918.90	27995.94	26535.99	25134.76	23523.77
45.0	29774.74	30110.36	30244.61	30068.41	29707.62	29103.50	28264.44	26905.17	25562.68
90.0	30085.19	30177.49	29959.33	29556.59	28918.90	28037.90	26628.28	25269.01	23263.67
135.0	29833.48	30093.58	30118.75	29850.26	29388.78	28692.36	27458.95	26217.14	24396.39
180.0	30169.10	29867.04	29313.26	28474.20	27207.23	25906.69	24371.22	22584.03	20268.24
225.0	29774.74	29212.57	28180.53	27089.76	25772.44	23800.66	21979.91	16546.27	16546.27
270.0	30085.19	29799.91	29271.31	28272.83	27249.18	25998.99	24480.30	22290.36	20410.88
315.0	29833.48	29363.60	28457.42	27467.34	26259.10	24807.53	22676.33	20813.62	16396.92
360.0	30169.10	30269.78	30068.41	29564.98	28918.90	27995.94	26535.99	25134.76	23523.77

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	21728.19	16361.68	16361.68	15417.74	13515.60	11323.14	9847.25	8620.55	7584.31
45.0	24010.43	21837.27	19941.00	18002.79	15594.69	13723.60	11953.19	10040.14	8764.78
90.0	21459.70	16573.96	16573.96	15133.30	13263.88	11546.33	9724.74	8513.99	7509.64
135.0	22701.50	20889.14	18967.70	16551.22	14646.56	12817.42	11147.70	9360.51	8194.22
180.0	18288.06	16299.50	13916.58	12087.44	10476.45	8798.34	7732.74	6851.73	5953.94
225.0	15567.09	13217.73	11515.29	9994.92	8714.52	7663.18	6600.94	5913.75	5344.03
270.0	17986.00	16039.39	14126.35	11911.24	10350.59	9016.50	7934.11	6826.56	6113.36
315.0	16396.92	14493.10	12694.16	10674.55	9312.77	8164.94	7022.98	6278.74	5657.00
360.0	21728.19	16361.68	16361.68	15417.74	13515.60	11323.14	9847.25	8620.55	7584.31

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	6576.60	5914.59	5246.70	4798.65	4423.59	4030.07	3764.93	3545.93	3306.80
45.0	7715.96	6851.73	5995.89	5425.34	4955.46	4561.11	4225.49	4225.49	3664.24
90.0	6510.32	5863.41	5318.02	4862.41	4479.80	4072.86	3815.27	3537.54	3353.79
135.0	7220.92	6264.39	5635.10	5114.89	4577.89	4233.88	4233.88	3657.53	3447.77
180.0	5366.60	4896.73	4493.98	4233.88	4233.88	3600.47	3411.69	3201.08	3067.67
225.0	4869.96	4400.09	4088.80	3769.12	3553.49	3366.38	3165.00	3034.95	2923.36
270.0	5517.63	5022.59	4535.94	4284.22	4284.22	3702.84	3450.28	3277.44	3097.88
315.0	5137.62	4611.54	4263.33	3971.34	3727.17	3470.42	3289.18	3133.96	2980.41
360.0	6576.60	5914.59	5246.70	4798.65	4423.59	4030.07	3764.93	3545.93	3306.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	3153.26	3012.29	2902.38	2767.29	2680.87	2579.34	2438.38	2230.29	1910.61
45.0	3411.69	3236.32	3092.01	2944.33	2831.90	2733.73	2613.74	2479.49	2320.91
90.0	3196.89	3028.24	2915.80	2806.73	2688.42	2581.02	2434.19	2258.82	1889.64
135.0	3267.37	3083.61	2962.79	2848.68	2748.83	2659.89	2501.31	2340.21	2169.88
180.0	2946.01	2819.31	2722.82	2622.97	2450.13	2294.90	2076.75	1875.37	1696.66
225.0	2791.62	2698.49	2581.86	2437.54	2231.13	2058.29	1639.77	1639.77	1441.67
270.0	2972.02	2863.78	2735.41	2635.56	2502.15	2342.73	2133.80	1955.92	1752.03
315.0	2862.94	2761.42	2643.95	2515.57	2321.75	2147.23	1653.61	1653.61	1561.15
360.0	3153.26	3012.29	2902.38	2767.29	2680.87	2579.34	2438.38	2230.29	1910.61

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1663.60	1613.59	1418.09	1223.43	977.08	789.72	606.64	405.01	266.06
45.0	2139.68	1908.94	1708.40	1500.32	1288.87	1037.16	845.01	660.42	451.50
90.0	1642.70	1642.70	1445.11	1192.63	998.22	810.11	589.52	430.69	288.22
135.0	1945.85	1759.58	1559.89	1305.66	1109.32	876.06	699.02	530.37	451.50
180.0	1507.03	1253.63	1062.33	873.54	684.75	459.05	459.05	281.92	83.49
225.0	1238.53	1036.91	790.64	607.73	439.25	258.35	142.98	67.54	41.11
270.0	1529.68	1313.21	1117.71	924.72	681.40	496.81	454.01	276.72	83.65
315.0	1370.60	1175.52	979.77	737.87	554.53	394.36	253.81	116.46	52.86
360.0	1663.60	1613.59	1418.09	1223.43	977.08	789.72	606.64	405.01	266.06

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	153.46	72.58	40.61	34.32	29.12	24.25	21.98	21.06	20.31
45.0	451.50	282.68	73.50	45.06	36.58	30.96	25.34	22.40	21.23
90.0	140.71	69.89	47.66	39.10	33.14	27.35	24.58	22.99	21.90
135.0	451.50	101.19	48.41	39.44	32.39	27.86	23.24	21.90	20.81
180.0	41.87	36.75	31.63	25.84	22.57	21.31	20.64	19.89	19.30
225.0	35.24	30.12	25.17	21.73	20.89	20.22	19.55	18.79	18.21
270.0	48.83	40.02	33.31	28.11	24.50	23.24	22.23	21.31	20.22
315.0	38.09	30.54	26.35	21.98	21.06	20.31	19.63	18.79	18.29
360.0	153.46	72.58	40.61	34.32	29.12	24.25	21.98	21.06	20.31

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.47	18.88	18.21	17.79	17.37	17.12	16.87	16.61	16.45
45.0	20.39	19.63	18.96	18.29	17.79	17.37	17.03	16.78	16.61
90.0	20.89	20.05	19.21	18.63	18.04	17.62	17.28	17.03	16.70
135.0	20.05	19.30	18.46	17.96	17.45	17.12	16.87	16.70	16.36
180.0	18.54	18.12	17.79	17.45	17.12	16.87	16.70	16.53	16.28
225.0	17.87	17.45	17.20	16.87	16.70	16.53	16.28	16.19	16.03
270.0	19.55	18.96	18.46	17.96	17.62	17.28	17.03	16.87	16.61
315.0	17.79	17.37	16.95	16.78	16.53	16.36	16.19	16.03	15.86
360.0	19.47	18.88	18.21	17.79	17.37	17.12	16.87	16.61	16.45

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.36	16.19	16.03	15.94	15.86	15.77	15.77	15.61	15.61
45.0	16.36	16.19	16.03	15.94	15.86	15.77	15.69	15.61	15.52
90.0	16.45	16.28	16.11	16.03	15.86	15.77	15.69	15.61	15.52
135.0	16.19	16.11	15.94	15.77	15.69	15.61	15.52	15.44	15.35
180.0	16.19	16.03	15.86	15.86	15.69	15.69	15.61	15.52	15.52
225.0	15.94	15.86	15.77	15.69	15.61	15.61	15.44	15.44	15.44
270.0	16.45	16.28	16.11	16.03	15.86	15.77	15.69	15.61	15.52
315.0	15.77	15.69	15.61	15.52	15.44	15.35	15.35	15.27	15.27
360.0	16.36	16.19	16.03	15.94	15.86	15.77	15.77	15.61	15.61

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.52	15.52	15.44	15.44	15.44	15.35	15.35	15.35	15.35
45.0	15.44	15.44	15.35	15.35	15.27	15.27	15.27	15.19	15.19
90.0	15.35	15.35	15.35	15.27	15.27	15.19	15.19	15.10	15.10
135.0	15.35	15.27	15.27	15.19	15.19	15.10	15.02	15.10	15.10
180.0	15.44	15.44	15.44	15.35	15.35	15.27	15.27	15.27	15.27
225.0	15.35	15.35	15.27	15.27	15.19	15.19	15.19	15.19	15.10
270.0	15.52	15.44	15.35	15.35	15.27	15.27	15.19	15.19	15.19
315.0	15.19	15.10	15.10	15.10	15.10	15.10	15.02	15.02	15.02
360.0	15.52	15.52	15.44	15.44	15.44	15.35	15.35	15.35	15.35

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.27	15.27	15.27	15.19	15.19	15.19	15.19	15.19	15.10
45.0	15.10	15.10	15.10	15.10	15.02	15.02	15.02	15.02	14.94
90.0	15.10	15.02	15.10	15.02	14.94	14.85	14.94	14.85	14.85
135.0	15.02	15.10	15.10	15.10	15.02	14.85	14.85	14.85	14.85
180.0	15.27	15.19	15.19	15.19	15.10	15.10	15.10	15.10	15.02
225.0	15.19	15.10	15.02	15.02	15.02	15.02	14.94	14.94	14.94
270.0	15.10	15.10	15.10	15.02	14.94	14.85	14.94	14.85	14.85
315.0	15.02	14.94	14.94	14.85	14.94	14.85	14.85	14.77	14.77
360.0	15.27	15.27	15.27	15.19	15.19	15.19	15.19	15.19	15.10

Intensity data(cd)

C/γ(°)	90.0
0.0	15.19
45.0	15.02
90.0	14.85
135.0	14.85
180.0	15.02
225.0	14.94
270.0	14.85
315.0	14.85
360.0	15.19