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Nata

Client: NT
LumCAT: 3-2995-LM2
Luminaire: 99.02.73.207
Report No: 20260512-B013
Ballast type: DC

Test No: 20260512-C013	Voltage(V): 51.180
LampCAT: Bridgelux V22 Gen8	Current(A): 0.947
Lamp flux(lm): 8019.5	Power (W): 48.460
Number of Lamps: 1	PF: 0.000
Length(mm): 92	Width(mm): 92
Phm Type: C	Height(mm): 49

Photometric Results

Lumens(lm): 7754.94, Efficiency(%): 96.70% , Luminous Efficacy(lm/W): 160.03
Central intensity(cd): 29772.640, Maximum intensity(cd): 29772.640
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=55.0
[C90/270]Total=55.0
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(%): 96.70%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.377%

Equipment: GMS1980	Date: 2026/5/12	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	29772.645	0.000	0	0.00%	0.00%
1.0	29668.811	28.442	28.442	0.35%	0.37%
2.0	29274.453	84.601	113.043	1.05%	1.46%
3.0	28688.164	138.628	251.67	1.73%	3.25%
4.0	27855.400	189.269	440.939	2.36%	5.69%
5.0	26753.092	234.923	675.862	2.93%	8.72%
6.0	25320.402	273.660	949.522	3.41%	12.24%
7.0	23644.389	303.924	1253.446	3.79%	16.16%
8.0	21173.484	320.753	1574.199	4.00%	20.30%
9.0	19073.242	326.178	1900.377	4.07%	24.51%
10.0	17233.203	328.560	2228.937	4.10%	28.74%
11.0	15461.012	326.682	2555.619	4.07%	32.95%
12.0	13638.373	318.098	2873.717	3.97%	37.06%
13.0	11880.865	302.849	3176.566	3.78%	40.96%
14.0	10221.107	282.903	3459.469	3.53%	44.61%
15.0	8848.727	261.799	3721.268	3.26%	47.99%
16.0	7649.296	241.742	3963.011	3.01%	51.10%
17.0	6772.378	224.584	4187.595	2.80%	54.00%
18.0	5985.238	210.345	4397.94	2.62%	56.71%
19.0	5359.407	197.374	4595.314	2.46%	59.26%
20.0	4874.538	187.310	4782.623	2.34%	61.67%
21.0	4471.896	179.470	4962.094	2.24%	63.99%
22.0	4150.432	173.269	5135.363	2.16%	66.22%
23.0	3916.661	169.269	5304.633	2.11%	68.40%
24.0	3662.658	165.711	5470.344	2.07%	70.54%
25.0	3371.726	159.946	5630.29	1.99%	72.60%
26.0	3198.041	155.080	5785.37	1.93%	74.60%
27.0	3045.228	152.743	5938.113	1.90%	76.57%
28.0	2915.489	150.913	6089.026	1.88%	78.52%
29.0	2802.321	149.594	6238.62	1.87%	80.45%
30.0	2691.566	148.334	6386.954	1.85%	82.36%
31.0	2577.140	146.620	6533.574	1.83%	84.25%
32.0	2432.507	143.520	6677.095	1.79%	86.10%
33.0	2260.186	138.248	6815.343	1.72%	87.88%
34.0	1992.192	128.689	6944.033	1.60%	89.54%
35.0	1826.163	118.584	7062.617	1.48%	91.07%
36.0	1659.254	110.976	7173.593	1.38%	92.50%
37.0	1474.515	102.206	7275.799	1.27%	93.82%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1263.377	91.387	7367.186	1.14%	95.00%
39.0	1053.246	79.073	7446.259	0.99%	96.02%
40.0	841.730	66.090	7512.349	0.82%	96.87%
41.0	636.697	52.646	7564.995	0.66%	97.55%
42.0	482.436	40.660	7605.655	0.51%	98.07%
43.0	353.442	30.963	7636.618	0.39%	98.47%
44.0	249.997	22.775	7659.394	0.28%	98.77%
45.0	105.564	13.665	7673.058	0.17%	98.94%
46.0	49.924	6.081	7679.139	0.08%	99.02%
47.0	36.405	3.434	7682.573	0.04%	99.07%
48.0	30.426	2.702	7685.274	0.03%	99.10%
49.0	25.843	2.311	7687.585	0.03%	99.13%
50.0	23.106	2.041	7689.626	0.03%	99.16%
51.0	21.616	1.892	7691.518	0.02%	99.18%
52.0	20.662	1.814	7693.332	0.02%	99.21%
53.0	19.865	1.763	7695.095	0.02%	99.23%
54.0	19.183	1.721	7696.816	0.02%	99.25%
55.0	18.554	1.684	7698.501	0.02%	99.27%
56.0	18.061	1.654	7700.155	0.02%	99.29%
57.0	17.641	1.632	7701.788	0.02%	99.31%
58.0	17.316	1.617	7703.404	0.02%	99.34%
59.0	17.022	1.605	7705.009	0.02%	99.36%
60.0	16.771	1.596	7706.606	0.02%	99.38%
61.0	16.550	1.590	7708.196	0.02%	99.40%
62.0	16.372	1.586	7709.782	0.02%	99.42%
63.0	16.215	1.585	7711.367	0.02%	99.44%
64.0	16.068	1.584	7712.951	0.02%	99.46%
65.0	15.953	1.585	7714.536	0.02%	99.48%
66.0	15.827	1.586	7716.122	0.02%	99.50%
67.0	15.722	1.586	7717.708	0.02%	99.52%
68.0	15.669	1.590	7719.298	0.02%	99.54%
69.0	15.554	1.593	7720.891	0.02%	99.56%
70.0	15.491	1.594	7722.485	0.02%	99.58%
71.0	15.418	1.598	7724.083	0.02%	99.60%
72.0	15.365	1.601	7725.684	0.02%	99.62%
73.0	15.323	1.605	7727.288	0.02%	99.64%
74.0	15.271	1.608	7728.897	0.02%	99.66%
75.0	15.239	1.612	7730.509	0.02%	99.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.176	1.615	7732.123	0.02%	99.71%
77.0	15.145	1.617	7733.74	0.02%	99.73%
78.0	15.103	1.619	7735.359	0.02%	99.75%
79.0	15.093	1.622	7736.982	0.02%	99.77%
80.0	15.082	1.627	7738.608	0.02%	99.79%
81.0	15.051	1.630	7740.238	0.02%	99.81%
82.0	15.051	1.632	7741.87	0.02%	99.83%
83.0	14.998	1.633	7743.504	0.02%	99.85%
84.0	14.998	1.634	7745.138	0.02%	99.87%
85.0	14.967	1.635	7746.773	0.02%	99.89%
86.0	14.946	1.635	7748.408	0.02%	99.92%
87.0	14.925	1.635	7750.043	0.02%	99.94%
88.0	14.893	1.633	7751.676	0.02%	99.96%
89.0	14.893	1.633	7753.309	0.02%	99.98%
90.0	14.872	1.632	7754.941	0.02%	100.00%

Zonal flux distribution table

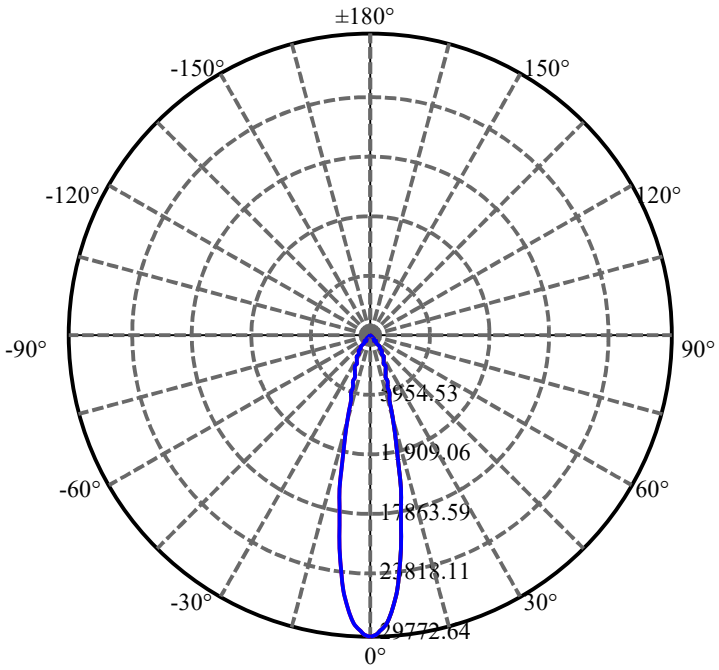
ZONAL LUMEN SUMMARY

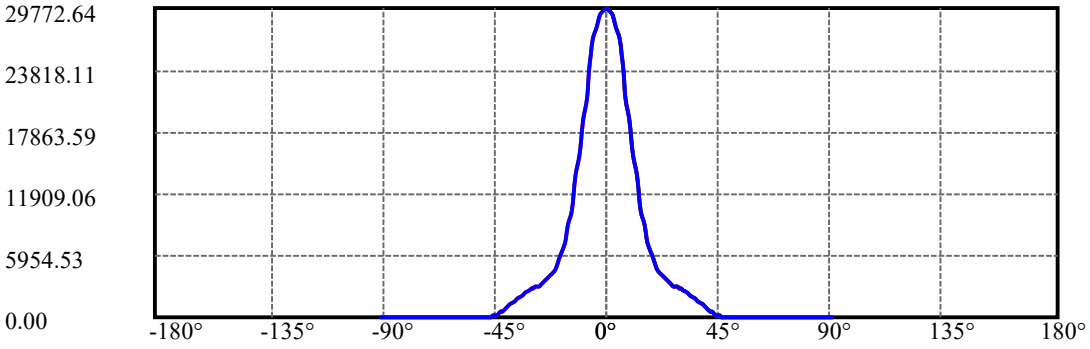
Zone	Lumens	%Lamp	%Fixt
0-30	6386.95	79.64%	82.36%
0-40	7512.35	93.68%	96.87%
0-60	7706.61	96.10%	99.38%
0-90	7753.31	96.68%	99.98%
0-120	7753.31	96.68%	99.98%
0-180	7754.94	96.70%	100.00%
60-90	46.70	0.58%	0.60%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.77	6203.95	77.36%	80.00%

ZONAL LUMEN SUMMARY

0-10	2228.94
10-20	2553.69
20-30	1604.33
30-40	1125.40
40-50	177.28
50-60	16.98
60-70	15.88
70-80	16.12
80-90	14.70
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):

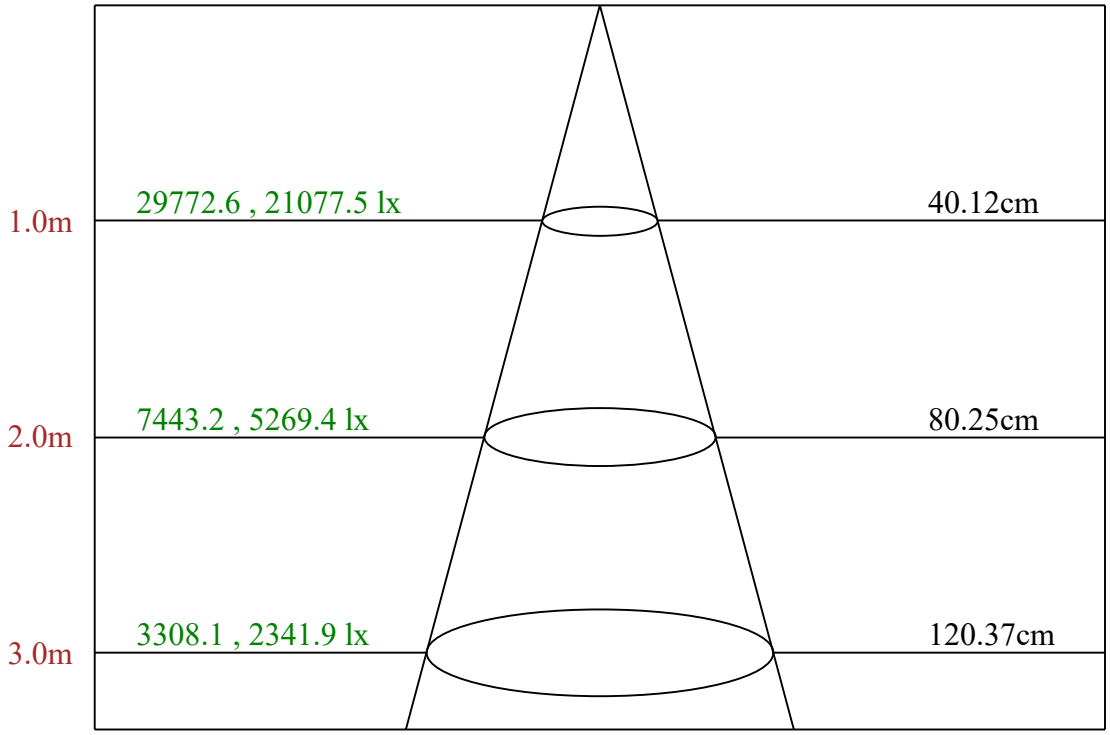
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

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

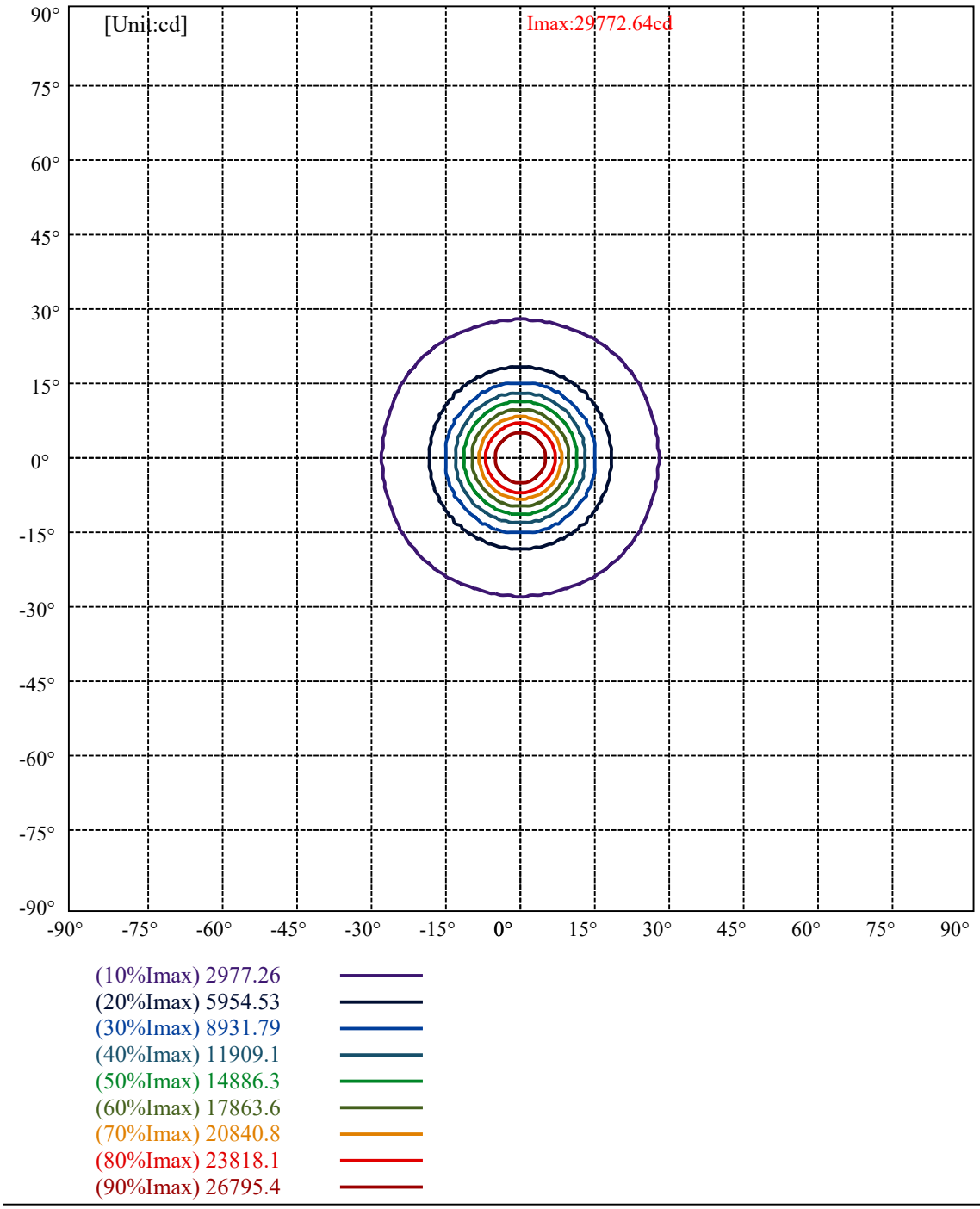
Lux distance Curve



Max , Ave

Beam angle of C0 plane 22.69

ISO-Intensity(V-H)



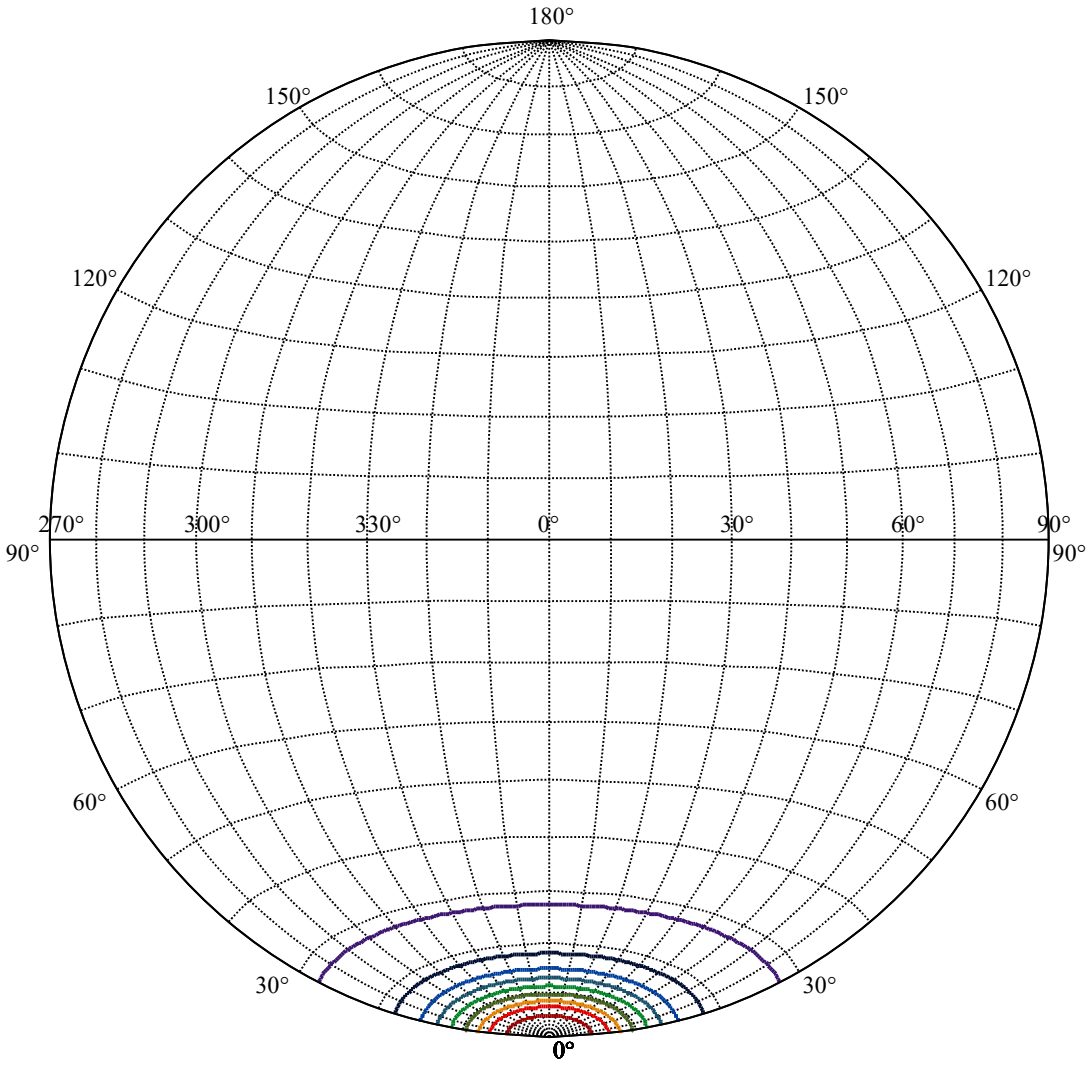
(10%Imax) 2977.26
(20%Imax) 5954.53
(30%Imax) 8931.79
(40%Imax) 11909.1
(50%Imax) 14886.3
(60%Imax) 17863.6
(70%Imax) 20840.8
(80%Imax) 23818.1
(90%Imax) 26795.4

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/12
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

ISO candela diagram on circular web



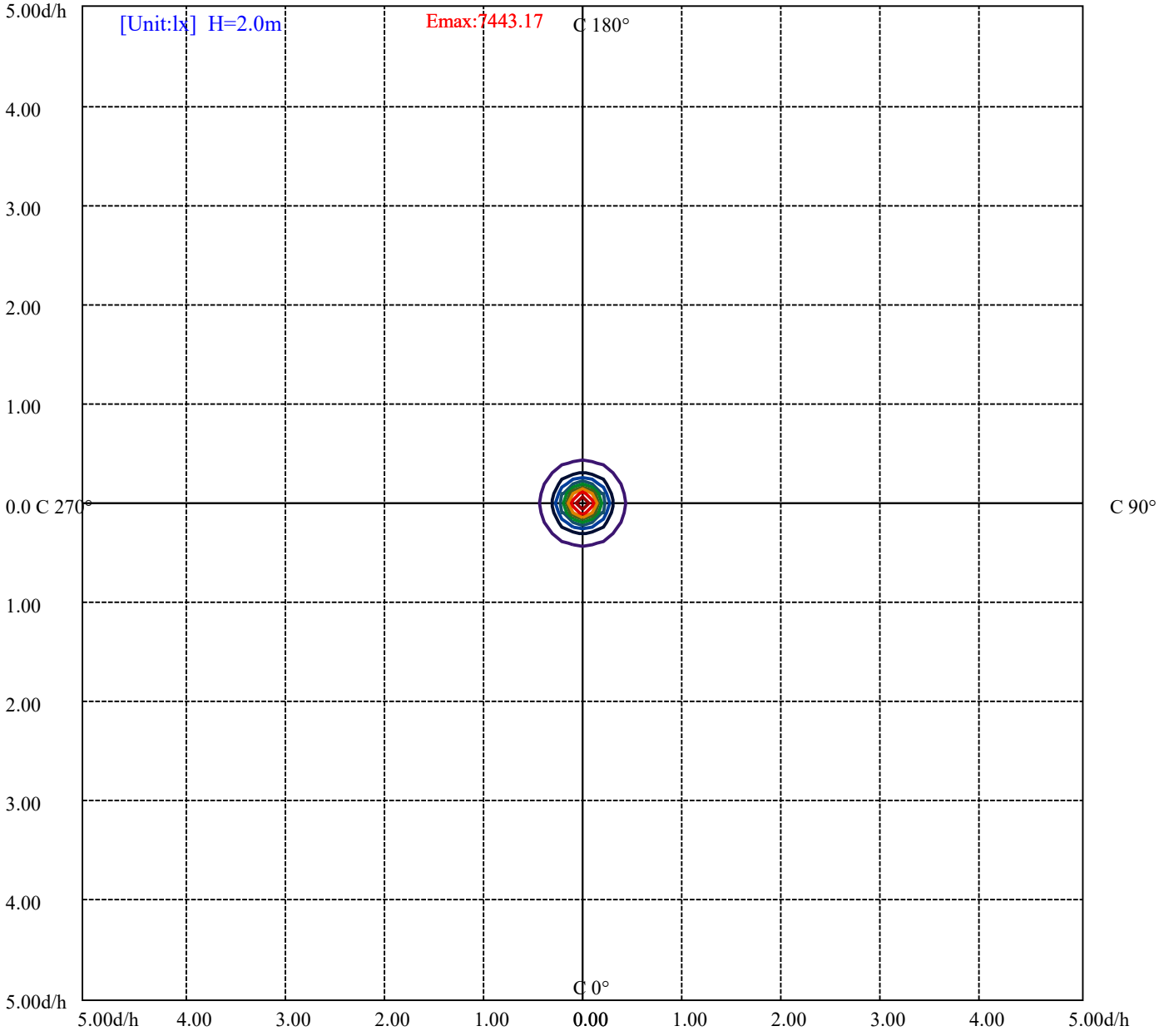
House [Unit:cd] Road

Imax:29772.64

(10%Imax) 2977.26
(20%Imax) 5954.53
(30%Imax) 8931.79
(40%Imax) 11909.1
(50%Imax) 14886.3
(60%Imax) 17863.6
(70%Imax) 20840.8
(80%Imax) 23818.1
(90%Imax) 26795.4

NT Nata 3-2995-LM2

ISO illuminance diagram



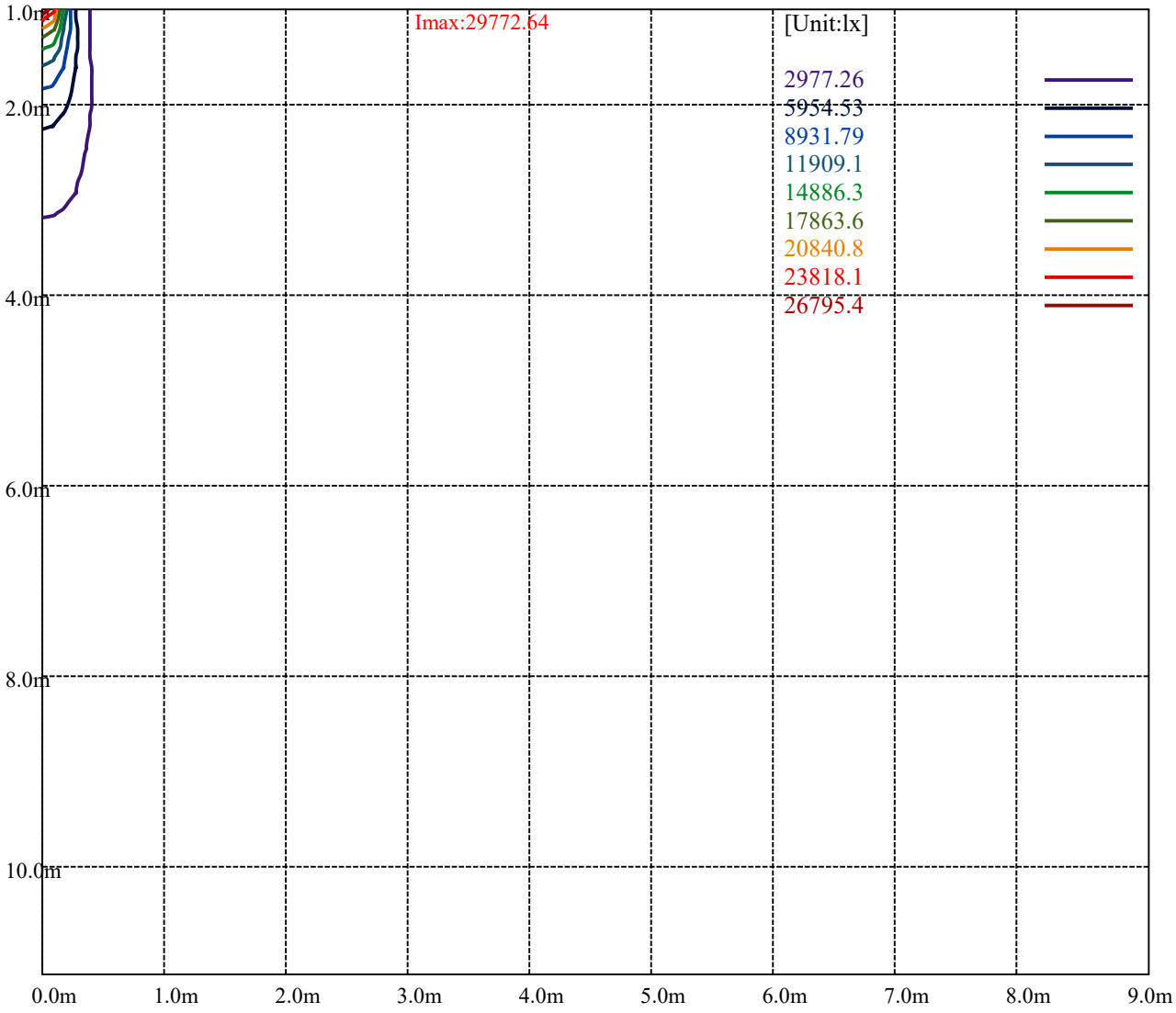
(10%Emax) 744.315
(20%Emax) 1488.63
(30%Emax) 2232.948
(40%Emax) 2977.25
(50%Emax) 3721.575
(60%Emax) 4465.9
(70%Emax) 5210.2
(80%Emax) 5954.525
(90%Emax) 6698.85

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/12
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/5/12
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

NT Nata 3-2995-LM2

Luminance Limitting Curve(no luminous side)

Luminance Table

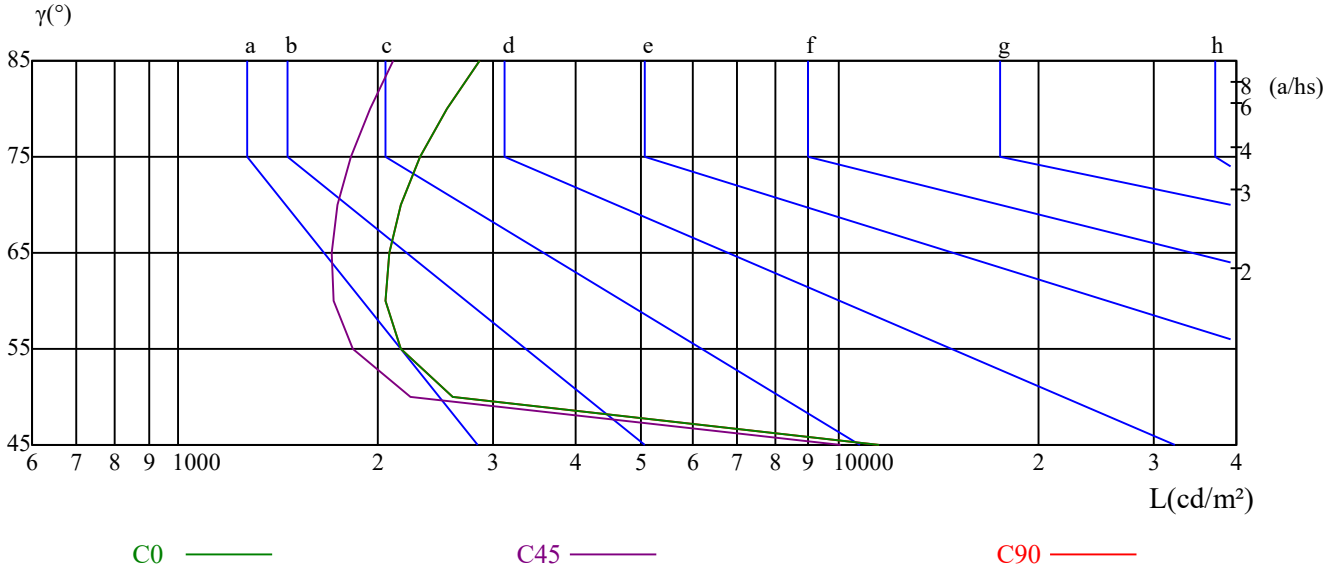
γ	45	50	55	60	65	70	75	80	85
C0	11509	2598	2171	2061	2082	2172	2328	2552	2862
C45	10060	2238	1841	1720	1705	1743	1825	1947	2111
C90	11509	2598	2171	2061	2082	2172	2328	2552	2862

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4460	4460	4460	6957	6957	6957	20289	20289	20289

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: 2026/5/12
Humidity(%): 60.0%

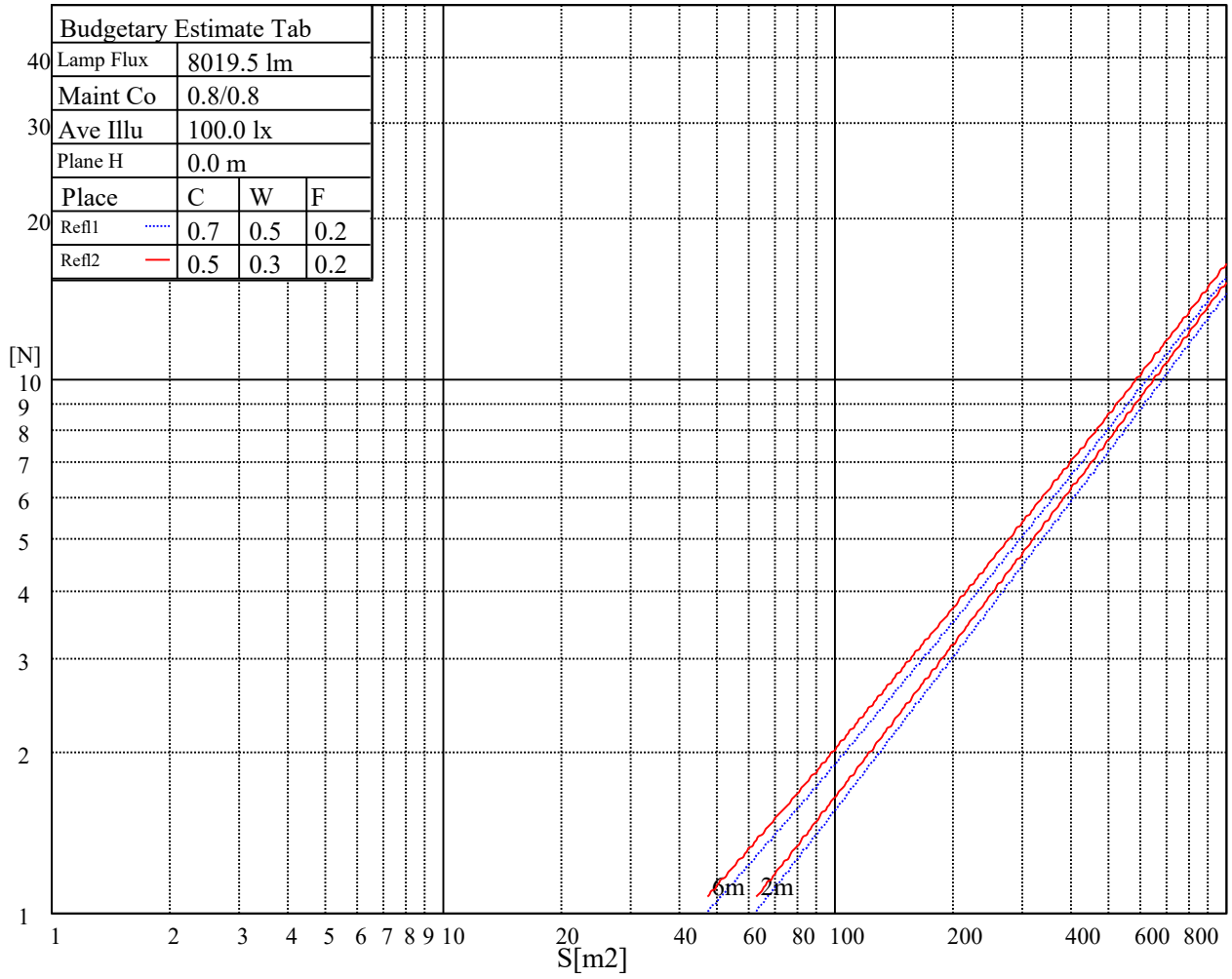
Operator: YZQ
Distance(m): 9.16

UGR Glare

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	20.04	20.96	20.40	21.27	21.58	19.41	20.33	19.77	20.64	20.96
	3H	19.83	20.65	20.22	20.99	21.33	19.21	20.02	19.59	20.36	20.71
	4H	19.74	20.49	20.14	20.85	21.21	19.11	19.87	19.51	20.22	20.59
	6H	19.66	20.35	20.08	20.73	21.13	19.04	19.73	19.46	20.11	20.51
	8H	19.60	20.26	20.03	20.65	21.06	18.99	19.64	19.41	20.03	20.44
	12H	19.55	20.17	19.98	20.57	20.99	18.94	19.56	19.36	19.95	20.37
4H	2H	19.71	20.47	20.11	20.82	21.19	19.08	19.84	19.49	20.19	20.56
	3H	19.47	20.11	19.90	20.50	20.92	18.85	19.48	19.28	19.88	20.30
	4H	19.41	19.96	19.85	20.38	20.83	18.79	19.34	19.23	19.76	20.21
	6H	19.30	19.78	19.78	20.24	20.69	18.69	19.17	19.16	19.62	20.08
	8H	19.27	19.72	19.76	20.18	20.65	18.66	19.11	19.15	19.57	20.04
	12H	19.26	19.67	19.75	20.12	20.64	18.65	19.06	19.15	19.52	20.04
8H	4H	19.21	19.66	19.70	20.12	20.59	18.60	19.04	19.08	19.50	19.97
	6H	19.11	19.47	19.62	19.95	20.46	18.50	18.86	19.01	19.34	19.86
	8H	19.14	19.44	19.67	19.96	20.46	18.54	18.84	19.07	19.36	19.86
	12H	19.15	19.37	19.69	19.89	20.42	18.56	18.78	19.10	19.30	19.83
12H	4H	19.16	19.57	19.65	20.02	20.55	18.54	18.95	19.04	19.41	19.93
	6H	19.10	19.40	19.63	19.92	20.42	18.49	18.79	19.03	19.32	19.82
	8H	19.10	19.33	19.64	19.84	20.37	18.50	18.73	19.05	19.25	19.77
Variation with the observer position at spacings:											
S = 1.0H		5.2/-13.7					5.2/-13.7				
S = 1.5H		7.9/-11.8					7.9/-11.8				
S = 2.0H		9.8/-10.4					9.8/-10.4				
Standard tables:		BK0					BK0				
Uncorrected UGR		0.3					0.3				

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

Budgetary Estimate Table



Equipment: GMS1980 Date: 2026/5/12 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	0.99	0.99	0.99	0.97
1	1.08	1.06	1.04	1.06	1.04	1.03	1.02	1.01	0.99	0.99	0.98	0.97	0.95	0.95	0.94	0.92
2	1.02	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.90	0.96	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.89	0.87	0.85	0.84
4	0.92	0.88	0.84	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.86	0.83	0.81	0.80
5	0.88	0.83	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
6	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.77	0.74	0.73
7	0.80	0.76	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
8	0.77	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
9	0.74	0.70	0.67	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.65
10	0.72	0.67	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

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	29615.32	29766.35	29648.88	29304.87	28767.87	27719.05	26628.28	24975.34	23397.92
45.0	29657.27	29766.35	29665.66	29229.35	28625.23	27777.79	26712.19	25017.29	23465.04
90.0	29867.04	29531.41	28809.83	27987.55	26947.12	25688.54	24161.46	22072.21	18934.14
135.0	29950.94	29908.99	29556.59	29044.76	28256.05	27022.64	25747.27	24278.92	22181.28
180.0	29615.32	29271.31	28692.36	27920.43	26653.45	25378.09	23859.40	22147.72	19865.49
225.0	29657.27	29355.21	28658.80	27886.87	26871.61	25613.02	23699.98	21921.18	16652.83
270.0	29867.04	29967.72	29850.26	29439.12	28893.73	28088.24	26754.14	25420.04	23414.70
315.0	29950.94	29783.13	29313.26	28692.36	27828.13	26737.36	25000.51	23322.40	21476.48
360.0	29615.32	29766.35	29648.88	29304.87	28767.87	27719.05	26628.28	24975.34	23397.92

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	21661.07	16344.89	16344.89	15393.41	13522.31	11363.42	9891.72	8640.68	7580.95
45.0	21308.67	19479.52	17574.87	15242.29	13413.15	11709.87	10166.00	8563.41	7531.37
90.0	16446.42	15961.45	14092.03	11912.16	10343.13	9019.94	7679.96	6810.70	6087.44
135.0	20377.31	18523.00	16190.42	14336.11	12582.48	10963.11	9553.49	8110.32	7162.18
180.0	17994.39	15619.87	13773.94	12037.10	10124.05	8848.68	7799.86	6734.26	6037.85
225.0	16652.83	15696.30	13398.97	11686.46	10165.25	8574.40	7540.68	6684.00	5975.84
270.0	21610.73	19706.07	17214.07	15267.46	13396.37	11642.74	9738.08	8496.28	7455.85
315.0	16534.52	16534.52	15098.90	13232.00	11500.19	9646.71	8420.01	7154.71	6347.54
360.0	21661.07	16344.89	16344.89	15393.41	13522.31	11363.42	9891.72	8640.68	7580.95

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	6530.46	5849.98	5288.65	4825.49	4347.23	4037.62	3714.58	3499.79	3319.39
45.0	6667.14	5962.33	5265.92	4804.43	4426.86	4250.66	4250.66	3555.16	3314.36
90.0	5496.74	4897.65	4509.17	4176.90	3888.27	3595.44	3400.78	3230.45	3051.73
135.0	6205.66	5601.54	5098.10	4586.28	4242.27	4242.27	3680.18	3476.29	3295.06
180.0	5450.51	4980.64	4586.28	4250.66	4250.66	3676.83	3428.47	3257.30	3111.30
225.0	5263.48	4807.87	4431.98	4118.17	3788.42	3566.07	3374.77	3170.88	3036.63
270.0	6583.23	5744.18	5207.18	4754.09	4292.61	4292.61	3978.05	3483.01	3304.29
315.0	5684.69	5031.06	4609.02	4259.13	3967.14	3671.79	3473.78	3300.93	3151.58
360.0	6530.46	5849.98	5288.65	4825.49	4347.23	4037.62	3714.58	3499.79	3319.39

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	3127.25	2999.71	2889.79	2757.22	2669.12	2565.08	2416.57	2204.28	1872.02
45.0	3153.26	3016.49	2872.17	2768.97	2679.19	2584.38	2414.05	2252.11	2080.10
90.0	2932.58	2819.31	2704.36	2607.87	2478.66	2278.96	2103.60	1632.80	1632.80
135.0	3144.03	2982.93	2865.46	2761.42	2669.96	2520.61	2366.22	2196.73	1971.03
180.0	2950.20	2847.00	2742.96	2617.10	2487.05	2336.02	2122.90	1931.59	1745.32
225.0	2918.32	2785.75	2695.97	2591.93	2413.21	2247.91	2081.78	1626.93	1626.93
270.0	3140.67	2993.84	2871.33	2768.97	2680.03	2539.91	2398.95	2222.74	2049.06
315.0	2995.51	2878.89	2776.52	2659.05	2539.91	2387.20	2177.43	1870.34	1632.05
360.0	3127.25	2999.71	2889.79	2757.22	2669.12	2565.08	2416.57	2204.28	1872.02

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1637.08	1637.08	1391.91	1192.21	995.46	760.86	585.41	391.00	257.59
45.0	1898.03	1660.58	1459.20	1256.99	1011.99	826.55	652.87	448.98	448.98
90.0	1486.56	1293.07	1102.44	910.38	685.42	518.03	367.51	203.55	104.97
135.0	1783.08	1589.26	1332.50	1122.74	922.21	688.95	520.30	440.59	440.59
180.0	1563.25	1301.46	1089.18	894.52	703.21	482.54	442.27	442.27	77.44
225.0	1485.38	1291.64	1095.47	852.65	664.36	491.27	304.07	179.47	86.42
270.0	1836.78	1637.92	1453.33	1214.20	1011.15	762.79	584.91	459.05	459.05
315.0	1583.89	1385.11	1182.99	982.28	740.05	562.59	402.16	262.62	124.94
360.0	1637.08	1637.08	1391.91	1192.21	995.46	760.86	585.41	391.00	257.59

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	143.06	68.13	41.37	35.49	30.37	25.42	22.23	21.31	20.47
45.0	279.32	68.47	41.28	34.57	28.53	23.75	21.98	20.98	19.97
90.0	50.34	36.58	31.63	25.26	22.32	21.31	20.39	19.55	18.88
135.0	98.34	53.03	42.20	35.66	28.44	25.34	23.91	22.40	21.48
180.0	44.30	37.25	30.54	25.00	22.57	21.31	20.56	19.89	19.21
225.0	40.27	33.90	29.20	23.83	21.82	20.89	20.14	19.30	18.71
270.0	126.45	58.48	39.35	33.23	27.94	23.66	21.56	20.72	19.89
315.0	62.43	43.55	35.66	30.37	24.75	23.16	22.15	21.14	20.31
360.0	143.06	68.13	41.37	35.49	30.37	25.42	22.23	21.31	20.47

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.72	18.88	18.38	17.87	17.54	17.20	16.95	16.70	16.53
45.0	19.30	18.71	18.12	17.62	17.28	16.95	16.70	16.53	16.36
90.0	18.29	17.79	17.45	17.03	16.78	16.61	16.36	16.19	16.03
135.0	20.64	19.63	19.05	18.54	18.04	17.62	17.37	17.03	16.78
180.0	18.46	18.04	17.62	17.37	17.03	16.78	16.53	16.36	16.28
225.0	18.21	17.79	17.37	17.03	16.78	16.53	16.36	16.19	16.03
270.0	19.21	18.54	17.96	17.54	17.20	16.95	16.70	16.45	16.28
315.0	19.63	19.05	18.54	18.12	17.87	17.54	17.20	16.95	16.70
360.0	19.72	18.88	18.38	17.87	17.54	17.20	16.95	16.70	16.53

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	16.11	16.03	15.86	15.86	15.77	15.61	15.52
45.0	16.11	16.03	15.94	15.77	15.69	15.69	15.52	15.44	15.44
90.0	15.94	15.77	15.69	15.61	15.52	15.44	15.35	15.27	15.27
135.0	16.61	16.45	16.28	16.11	15.94	15.86	15.77	15.69	15.52
180.0	16.11	15.94	15.86	15.69	15.69	15.61	15.52	15.52	15.44
225.0	15.94	15.77	15.69	15.61	15.52	15.44	15.35	15.35	15.27
270.0	16.11	16.03	15.86	15.77	15.61	15.61	15.44	15.44	15.35
315.0	16.53	16.36	16.19	16.03	15.94	15.86	15.69	15.61	15.52
360.0	16.36	16.19	16.11	16.03	15.86	15.86	15.77	15.61	15.52

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	15.35	15.35	15.27	15.27	15.27
45.0	15.35	15.27	15.27	15.27	15.19	15.19	15.10	15.10	15.10
90.0	15.27	15.19	15.19	15.10	15.10	15.02	15.02	15.02	14.94
135.0	15.44	15.44	15.35	15.27	15.19	15.19	15.19	15.10	15.10
180.0	15.35	15.35	15.27	15.27	15.19	15.19	15.10	15.10	15.10
225.0	15.27	15.19	15.19	15.10	15.10	15.02	15.02	15.02	15.02
270.0	15.27	15.27	15.19	15.19	15.10	15.10	15.02	15.02	15.02
315.0	15.44	15.35	15.27	15.27	15.19	15.10	15.10	15.10	15.10
360.0	15.52	15.52	15.44	15.44	15.35	15.35	15.27	15.27	15.27

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	15.19	15.19	15.10	15.10	15.10	15.10	15.10
45.0	15.02	15.10	15.02	15.02	14.94	14.94	14.94	14.94	14.85
90.0	14.94	14.94	14.94	14.94	14.94	14.85	14.85	14.77	14.85
135.0	15.02	15.02	15.02	15.02	14.94	14.94	14.85	14.85	14.85
180.0	15.10	15.02	15.02	15.02	15.02	15.02	14.94	14.94	14.94
225.0	15.02	15.02	14.94	14.94	14.94	14.94	14.94	14.85	14.85
270.0	15.02	15.02	14.94	14.94	14.94	14.85	14.94	14.85	14.85
315.0	15.02	15.02	14.94	14.94	14.94	14.94	14.85	14.85	14.85
360.0	15.27	15.27	15.19	15.19	15.10	15.10	15.10	15.10	15.10

Intensity data(cd)

C/γ(°)	90.0
0.0	15.02
45.0	14.85
90.0	14.77
135.0	14.85
180.0	14.94
225.0	14.85
270.0	14.85
315.0	14.85
360.0	15.02