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Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 3-3014-LM
Luminaire: BJB 47.360.2050
Report No: 20251118-B008
Ballast type: DC

Test No: 20251118-C008	Voltage(V): 37.630
LampCAT: CREE CXA2540 LES19	Current(A): 1.095
Lamp flux(lm): 5903.0	Power (W): 41.200
Number of Lamps: 1	PF: 0.000
Length(mm): 85	Width(mm): 85
Phm Type: C	Height(mm): 51

Photometric Results

Lumens(lm): 5640.62, Efficiency(%): 95.56% , Luminous Efficacy(lm/W): 136.91
Central intensity(cd): 13141.110, Maximum intensity(cd): 13141.110
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.4
[C90/270]Total=36.4
Field angle(10%Imax): [C0/180]Total=65.6
[C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.57 C90_270=0.57
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.319%

NT Nata 3-3014-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13141.108	0.000	0	0.00%	0.00%
1.0	13132.389	12.571	12.571	0.21%	0.22%
2.0	13122.054	37.683	50.254	0.64%	0.89%
3.0	13093.097	62.698	112.952	1.06%	2.00%
4.0	13041.211	87.480	200.432	1.48%	3.55%
5.0	12958.968	111.851	312.284	1.89%	5.54%
6.0	12812.136	135.434	447.718	2.29%	7.94%
7.0	12621.276	157.865	605.582	2.67%	10.74%
8.0	12379.283	178.924	784.506	3.03%	13.91%
9.0	12055.693	198.032	982.539	3.35%	17.42%
10.0	11666.546	214.678	1197.216	3.64%	21.22%
11.0	11182.668	228.311	1425.527	3.87%	25.27%
12.0	10671.232	238.894	1664.421	4.05%	29.51%
13.0	10086.811	246.346	1910.767	4.17%	33.88%
14.0	9439.309	249.933	2160.699	4.23%	38.31%
15.0	8753.483	249.759	2410.458	4.23%	42.73%
16.0	8069.057	246.497	2656.955	4.18%	47.10%
17.0	7390.875	240.753	2897.708	4.08%	51.37%
18.0	6683.197	232.051	3129.759	3.93%	55.49%
19.0	5995.434	220.582	3350.341	3.74%	59.40%
20.0	5330.815	207.302	3557.643	3.51%	63.07%
21.0	4744.026	193.457	3751.1	3.28%	66.50%
22.0	4192.115	179.576	3930.676	3.04%	69.69%
23.0	3687.676	165.339	4096.015	2.80%	72.62%
24.0	3286.364	152.478	4248.493	2.58%	75.32%
25.0	2952.010	141.847	4390.339	2.40%	77.83%
26.0	2705.173	133.538	4523.878	2.26%	80.20%
27.0	2486.647	127.019	4650.897	2.15%	82.45%
28.0	2240.693	119.686	4770.583	2.03%	84.58%
29.0	2045.420	112.137	4882.72	1.90%	86.56%
30.0	1900.246	106.532	4989.252	1.80%	88.45%
31.0	1666.951	99.270	5088.522	1.68%	90.21%
32.0	1482.733	90.235	5178.757	1.53%	91.81%
33.0	1279.310	81.371	5260.128	1.38%	93.25%
34.0	1077.147	71.313	5331.441	1.21%	94.52%
35.0	886.707	60.990	5392.431	1.03%	95.60%
36.0	687.139	50.112	5442.543	0.85%	96.49%
37.0	517.109	39.276	5481.818	0.67%	97.18%

NT Nata 3-3014-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	397.555	30.530	5512.349	0.52%	97.73%
39.0	267.968	22.716	5535.065	0.38%	98.13%
40.0	182.151	15.699	5550.763	0.27%	98.41%
41.0	94.913	9.866	5560.629	0.17%	98.58%
42.0	58.302	5.567	5566.196	0.09%	98.68%
43.0	47.763	3.929	5570.125	0.07%	98.75%
44.0	40.282	3.323	5573.448	0.06%	98.81%
45.0	34.404	2.870	5576.318	0.05%	98.86%
46.0	30.260	2.529	5578.847	0.04%	98.90%
47.0	26.955	2.276	5581.123	0.04%	98.95%
48.0	24.662	2.087	5583.209	0.04%	98.98%
49.0	22.768	1.948	5585.157	0.03%	99.02%
50.0	21.314	1.838	5586.995	0.03%	99.05%
51.0	20.044	1.750	5588.745	0.03%	99.08%
52.0	18.957	1.674	5590.418	0.03%	99.11%
53.0	17.999	1.608	5592.026	0.03%	99.14%
54.0	17.234	1.553	5593.579	0.03%	99.17%
55.0	16.610	1.511	5595.09	0.03%	99.19%
56.0	16.050	1.476	5596.565	0.03%	99.22%
57.0	15.534	1.444	5598.01	0.02%	99.24%
58.0	15.125	1.418	5599.427	0.02%	99.27%
59.0	14.780	1.398	5600.825	0.02%	99.29%
60.0	14.414	1.379	5602.205	0.02%	99.32%
61.0	14.113	1.361	5603.566	0.02%	99.34%
62.0	13.854	1.348	5604.914	0.02%	99.37%
63.0	13.607	1.336	5606.249	0.02%	99.39%
64.0	13.424	1.326	5607.576	0.02%	99.41%
65.0	13.187	1.317	5608.892	0.02%	99.44%
66.0	13.025	1.308	5610.2	0.02%	99.46%
67.0	12.885	1.303	5611.503	0.02%	99.48%
68.0	12.746	1.298	5612.802	0.02%	99.51%
69.0	12.616	1.294	5614.095	0.02%	99.53%
70.0	12.476	1.289	5615.384	0.02%	99.55%
71.0	12.369	1.284	5616.668	0.02%	99.58%
72.0	12.261	1.281	5617.949	0.02%	99.60%
73.0	12.175	1.278	5619.227	0.02%	99.62%
74.0	12.078	1.275	5620.502	0.02%	99.64%
75.0	11.992	1.272	5621.774	0.02%	99.67%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.906	1.269	5623.042	0.02%	99.69%
77.0	11.852	1.267	5624.309	0.02%	99.71%
78.0	11.777	1.265	5625.574	0.02%	99.73%
79.0	11.723	1.263	5626.836	0.02%	99.76%
80.0	11.691	1.262	5628.099	0.02%	99.78%
81.0	11.637	1.262	5629.36	0.02%	99.80%
82.0	11.583	1.259	5630.619	0.02%	99.82%
83.0	11.540	1.257	5631.876	0.02%	99.84%
84.0	11.508	1.256	5633.132	0.02%	99.87%
85.0	11.486	1.255	5634.387	0.02%	99.89%
86.0	11.443	1.253	5635.64	0.02%	99.91%
87.0	11.400	1.250	5636.89	0.02%	99.93%
88.0	11.368	1.247	5638.137	0.02%	99.96%
89.0	11.325	1.244	5639.381	0.02%	99.98%
90.0	11.335	1.242	5640.624	0.02%	100.00%

Zonal flux distribution table

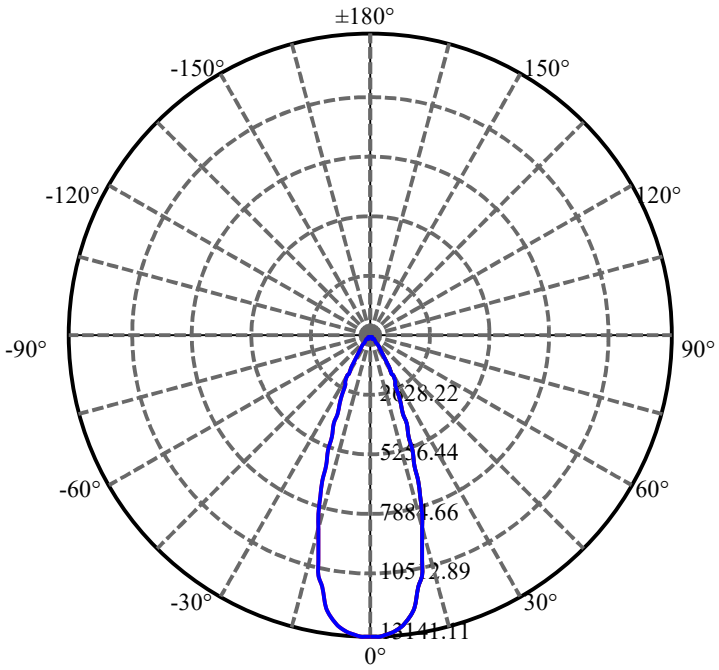
ZONAL LUMEN SUMMARY

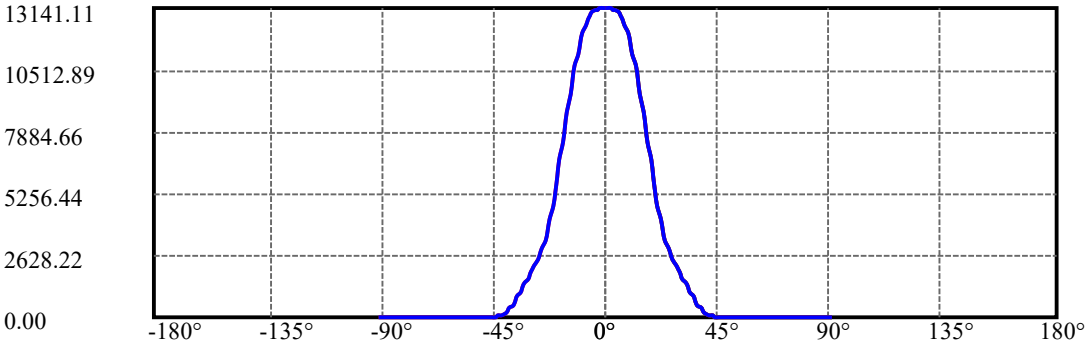
Zone	Lumens	%Lamp	%Fixt
0-30	4989.25	84.52%	88.45%
0-40	5550.76	94.03%	98.41%
0-60	5602.20	94.90%	99.32%
0-90	5639.38	95.53%	99.98%
0-120	5639.38	95.53%	99.98%
0-180	5640.62	95.56%	100.00%
60-90	37.18	0.63%	0.66%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.91	4512.50	76.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	1197.22
10-20	2360.43
20-30	1431.61
30-40	561.51
40-50	36.23
50-60	15.21
60-70	13.18
70-80	12.71
80-90	11.28
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):

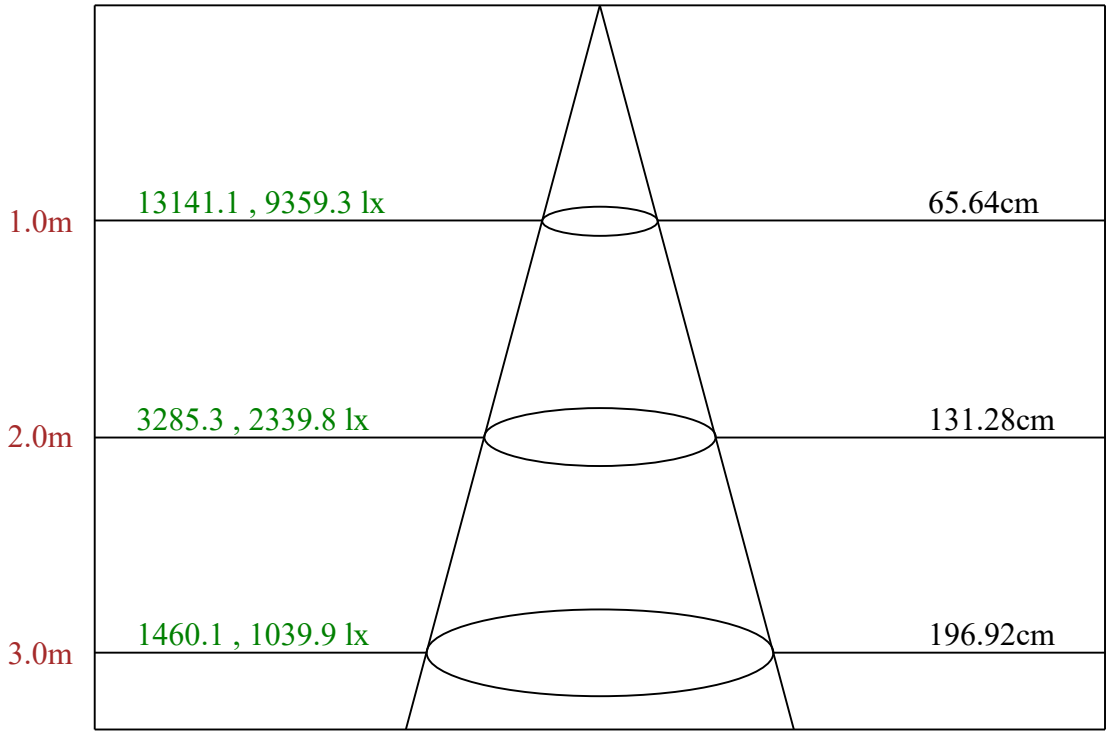
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.8 Right:32.8
:C90/270Left:32.8 Right:32.8

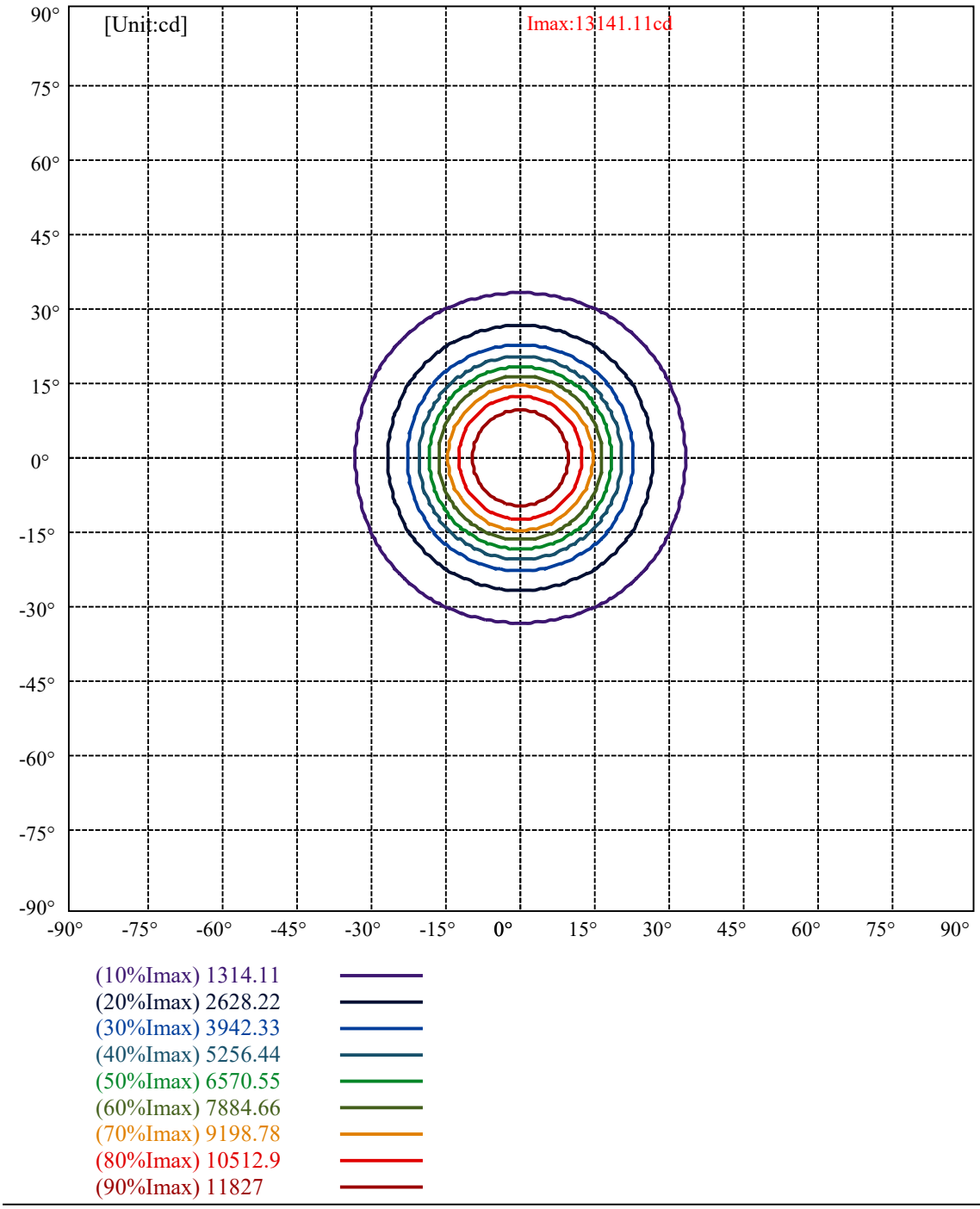
Beam Angle(50%Imax):C0/180Left:18.2 Right:18.2
:C90/270Left:18.2 Right:18.2

Lux distance Curve



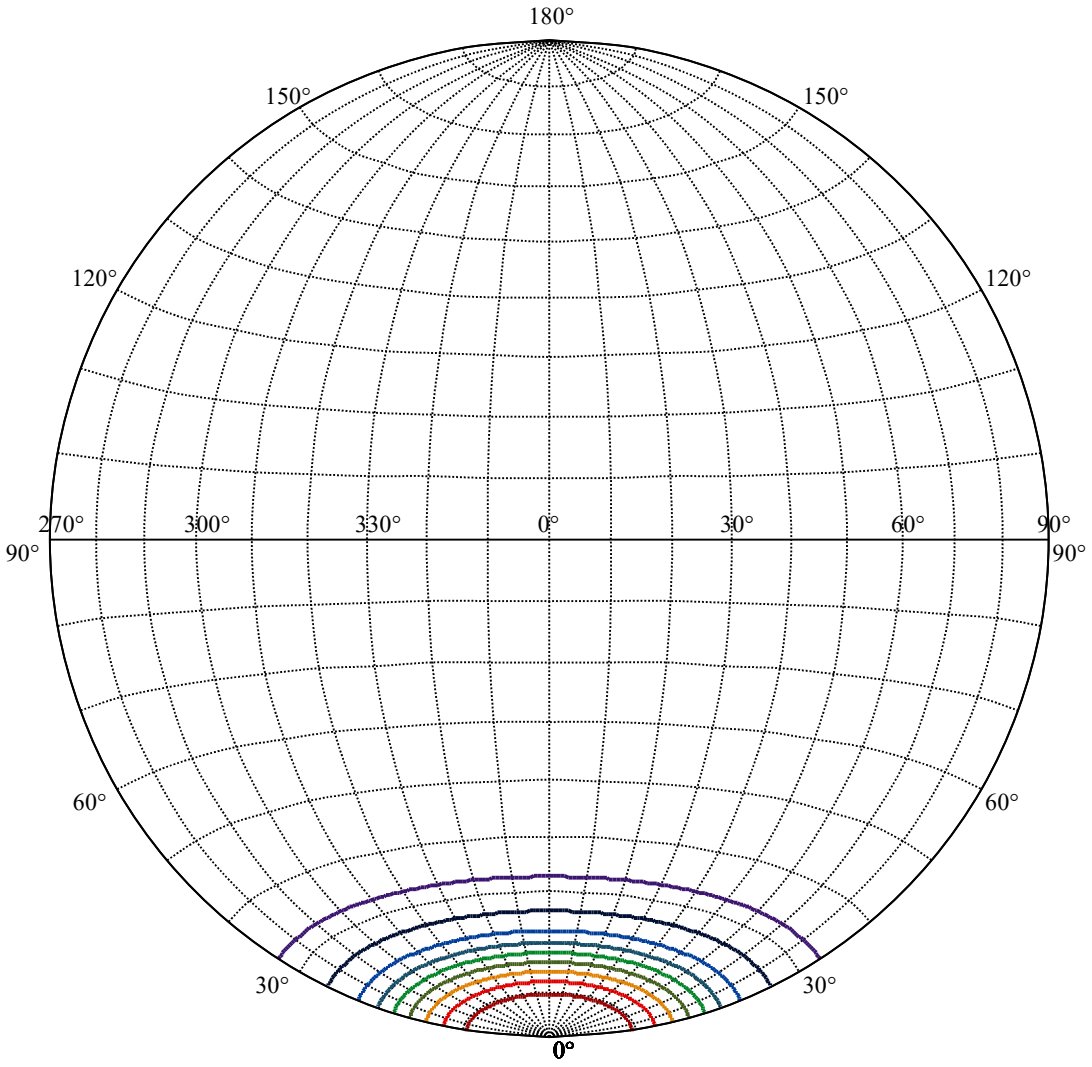
Max , Ave

Beam angle of C0 plane 36.34



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/11/18
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



House [Unit:cd] Road

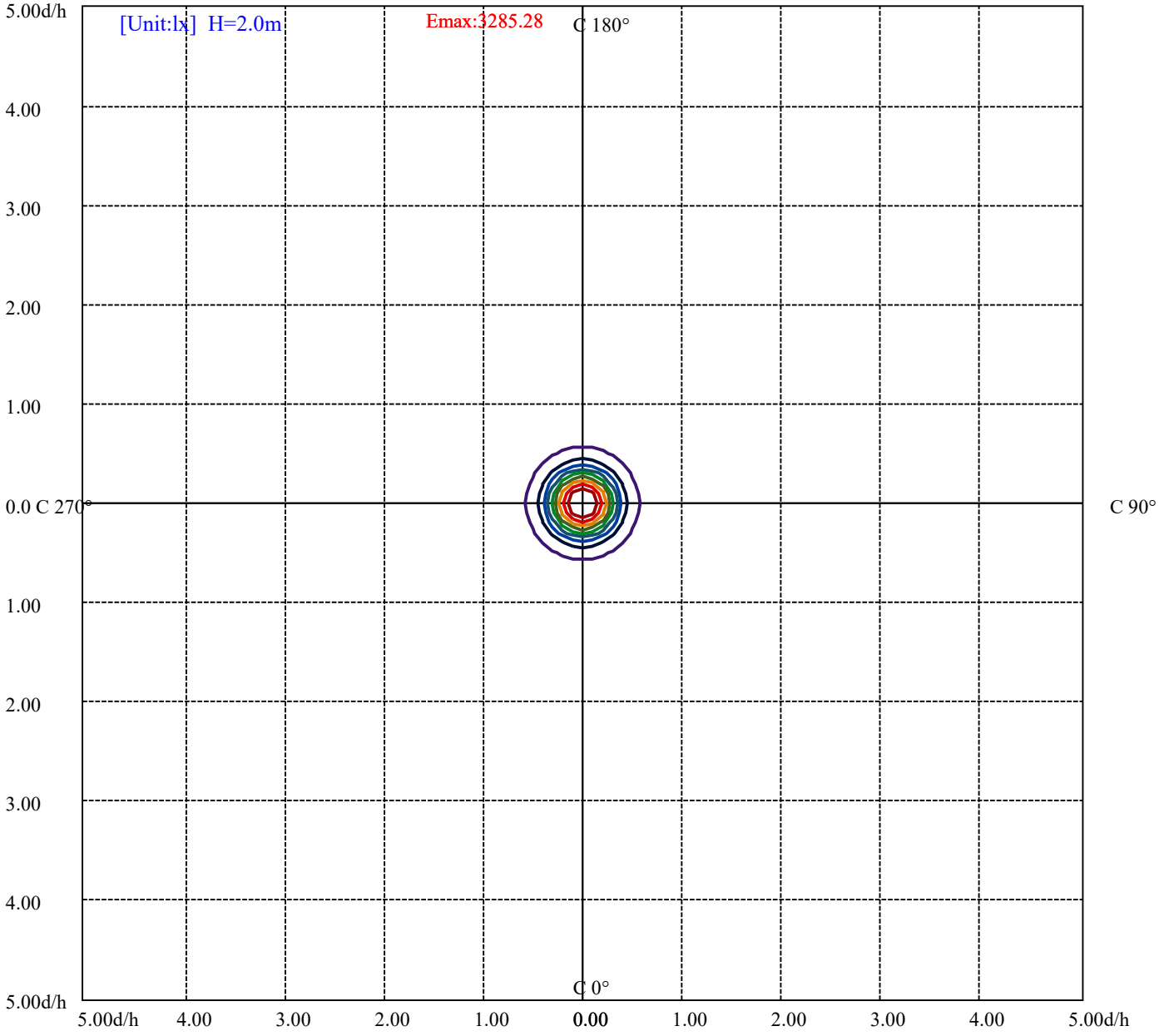
Imax:13141.11

(10%Imax) 1314.11
(20%Imax) 2628.22
(30%Imax) 3942.33
(40%Imax) 5256.44
(50%Imax) 6570.55
(60%Imax) 7884.66
(70%Imax) 9198.78
(80%Imax) 10512.9
(90%Imax) 11827

Equipment: GMS1980 Date: 2025/11/18 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

NT Nata 3-3014-LM

ISO illuminance diagram

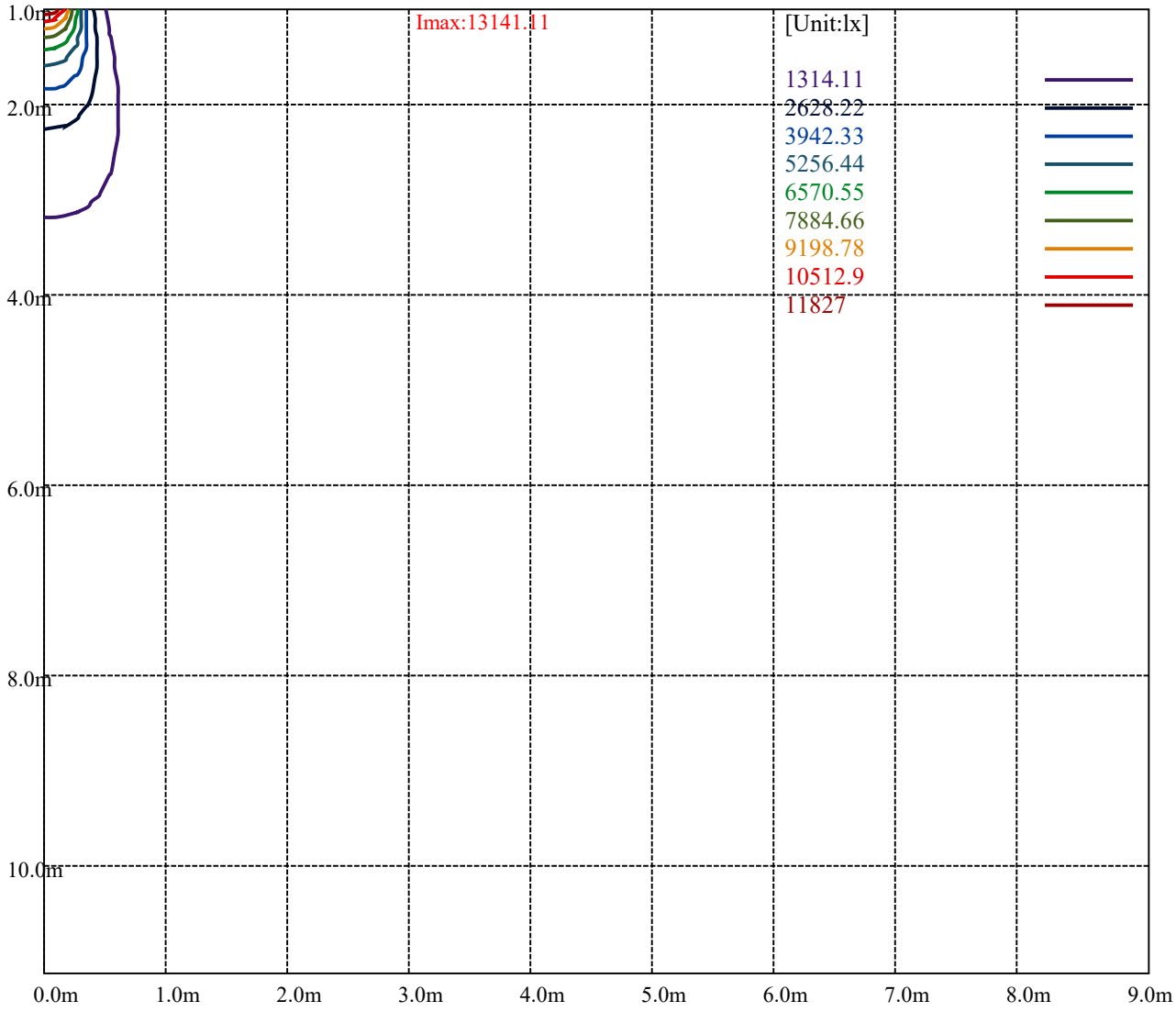


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/18
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/18
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 3-3014-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

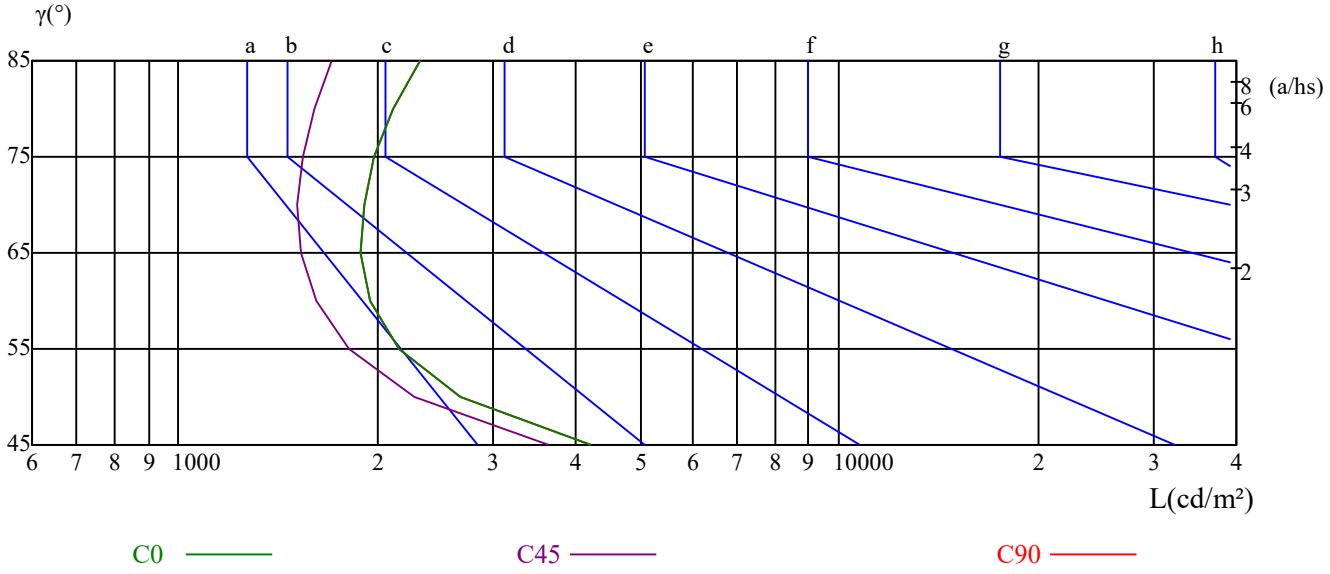
γ	45	50	55	60	65	70	75	80	85
C0	4209	2676	2159	1957	1889	1906	1980	2116	2321
C45	3643	2282	1812	1616	1532	1516	1539	1603	1705
C90	4209	2676	2159	1957	1889	1906	1980	2116	2321

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4319	4319	4319	6413	6413	6413	18240	18240	18240

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: 2025/11/18
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

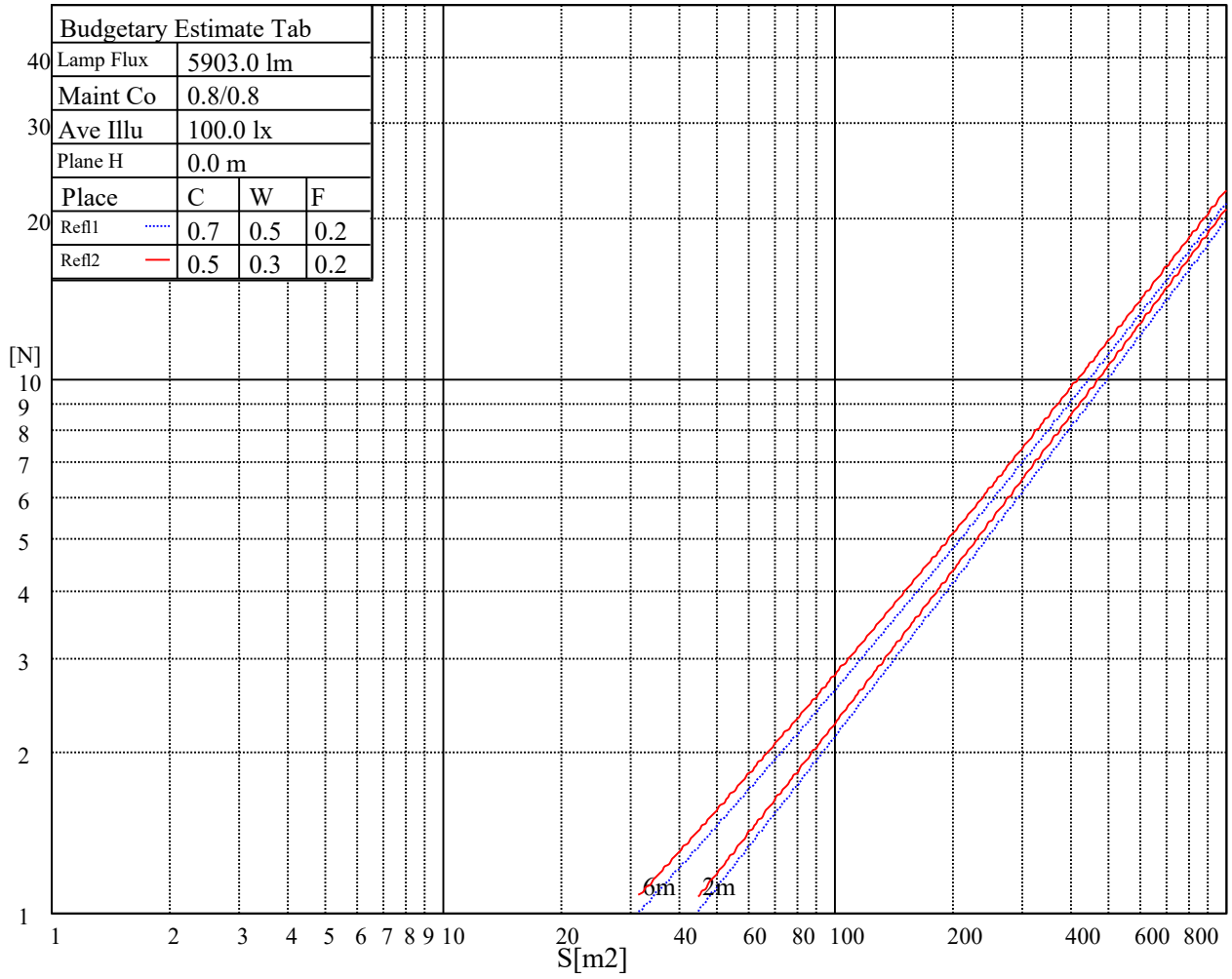
UGR Glare

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	16.45	17.35	16.81	17.66	17.98	17.24	18.14	17.60	18.45	18.77
	3H	16.27	17.07	16.66	17.40	17.75	17.05	17.85	17.44	18.19	18.53
	4H	16.19	16.93	16.59	17.29	17.65	16.97	17.70	17.37	18.06	18.43
	6H	16.15	16.83	16.57	17.21	17.61	16.91	17.59	17.33	17.97	18.37
	8H	16.12	16.76	16.54	17.15	17.55	16.87	17.51	17.29	17.90	18.31
	12H	16.09	16.70	16.52	17.10	17.51	16.83	17.44	17.26	17.84	18.26
4H	2H	16.13	16.87	16.53	17.22	17.59	16.92	17.65	17.32	18.01	18.38
	3H	15.92	16.54	16.35	16.94	17.36	16.70	17.32	17.13	17.71	18.13
	4H	15.90	16.43	16.34	16.86	17.31	16.66	17.19	17.10	17.62	18.07
	6H	15.85	16.32	16.32	16.77	17.23	16.59	17.06	17.06	17.51	17.97
	8H	15.86	16.29	16.34	16.75	17.23	16.58	17.02	17.07	17.48	17.95
	12H	15.89	16.29	16.38	16.75	17.27	16.60	17.00	17.09	17.45	17.98
8H	4H	15.72	16.15	16.21	16.61	17.09	16.47	16.91	16.96	17.37	17.84
	6H	15.70	16.05	16.20	16.53	17.05	16.42	16.78	16.93	17.26	17.77
	8H	15.79	16.08	16.32	16.61	17.10	16.49	16.78	17.03	17.31	17.81
	12H	15.88	16.10	16.42	16.62	17.14	16.55	16.77	17.10	17.29	17.82
12H	4H	15.67	16.07	16.16	16.53	17.05	16.42	16.83	16.92	17.28	17.80
	6H	15.70	15.99	16.24	16.52	17.02	16.42	16.71	16.96	17.24	17.74
	8H	15.77	15.99	16.32	16.51	17.04	16.47	16.69	17.01	17.21	17.73

Variation with the observer position at spacings:		
S = 1.0H	6.2/-10.5	6.2/-10.5
S = 1.5H	8.9/-8.7	8.9/-8.7
S = 2.0H	10.7/-7.5	10.7/-7.5
Standard tables:	BK0	BK0
Uncorrected UGR	-2.9	-2.9

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

Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/11/18 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

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	1.07	1.05	1.03	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.93	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.87
3	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.82
4	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
9	0.73	0.68	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
10	0.70	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61

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	13155.53	13161.56	13159.84	13152.95	13127.98	13058.22	12961.77	12820.53	12630.21
45.0	13125.39	13138.31	13144.34	13152.09	13148.64	13115.06	13053.91	12909.23	12747.33
90.0	13135.73	13127.11	13139.17	13133.14	13082.33	13004.83	12884.26	12673.27	12439.89
135.0	13147.78	13140.03	13144.34	13140.89	13123.67	13115.92	13043.58	12952.29	12828.28
180.0	13155.53	13151.23	13141.75	13115.92	13073.72	13000.52	12850.67	12673.27	12381.33
225.0	13125.39	13113.33	13082.33	13009.13	12916.12	12781.78	12548.40	12290.04	11970.54
270.0	13135.73	13120.22	13098.69	13049.61	12982.43	12883.40	12734.41	12479.50	12220.29
315.0	13147.78	13107.31	13065.97	12991.05	12874.79	12712.02	12420.08	12172.06	11816.39
360.0	13155.53	13161.56	13159.84	13152.95	13127.98	13058.22	12961.77	12820.53	12630.21

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	12303.82	11967.96	11561.48	10945.73	10379.94	9593.68	8925.40	8220.95	7508.75
45.0	12528.59	12256.46	11823.28	11396.13	10904.40	10358.41	9605.73	8963.29	8299.32
90.0	12136.75	11683.77	11236.81	10745.08	10198.23	9462.78	8853.92	8226.98	7613.81
135.0	12597.49	12341.71	11944.71	11555.45	11121.42	10614.18	9880.45	9275.04	8626.57
180.0	12068.72	11682.05	11228.20	10698.57	9950.21	9306.90	8631.73	7934.17	7054.91
225.0	11597.65	11045.63	10541.84	9987.24	9397.33	8627.43	7990.15	7193.56	6552.84
270.0	11909.40	11536.51	10988.79	10491.89	9814.14	9255.23	8668.76	7919.53	7309.82
315.0	11303.13	10818.28	10136.22	9549.76	8928.84	8295.87	7471.72	6818.94	6161.00
360.0	12303.82	11967.96	11561.48	10945.73	10379.94	9593.68	8925.40	8220.95	7508.75

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	6635.51	5939.67	5257.61	4610.87	3892.64	3400.90	2989.26	2681.81	2403.65
45.0	7470.00	6823.25	6034.40	5417.79	4834.77	4304.28	3722.98	3330.28	3015.95
90.0	6862.00	6268.64	5690.79	5014.76	4519.58	3964.12	3586.06	3278.61	3028.01
135.0	7983.26	7181.50	6547.67	5931.06	5319.62	4613.45	4114.82	3548.16	3194.22
180.0	6362.51	5687.35	4866.64	4254.34	3591.22	3145.99	2799.80	2484.60	2300.31
225.0	5925.03	5165.47	4602.25	4098.46	3649.78	3186.47	2896.25	2661.14	2473.41
270.0	6708.71	6129.99	5412.63	4874.39	4382.65	3940.86	3481.85	3183.02	2940.17
315.0	5518.55	4767.60	4234.53	3750.54	3346.65	2945.34	2699.90	2448.43	2285.67
360.0	6635.51	5939.67	5257.61	4610.87	3892.64	3400.90	2989.26	2681.81	2403.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2241.75	2080.71	1716.43	1716.43	1589.83	1415.53	1240.45	1015.94	838.62
45.0	2761.90	2513.88	2349.40	2184.05	1999.76	1756.90	1559.69	1311.67	1115.32
90.0	2774.82	2600.00	2409.68	2208.16	1668.20	1668.20	1503.80	1289.71	1028.51
135.0	2894.53	2602.58	2425.18	2267.58	2085.01	1837.85	1652.70	1452.04	1254.83
180.0	2160.80	2029.90	1839.58	1680.26	1513.19	1340.09	1109.29	928.44	768.26
225.0	2257.25	1925.69	1669.06	1669.06	1421.13	1229.43	995.61	815.11	639.26
270.0	2690.42	2500.96	2282.22	1998.03	1776.71	1560.55	1295.31	1098.10	906.05
315.0	2111.71	1671.82	1671.82	1478.39	1281.79	1053.31	877.63	706.17	542.80
360.0	2241.75	2080.71	1716.43	1716.43	1589.83	1415.53	1240.45	1015.94	838.62

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	666.73	505.17	359.11	200.66	106.53	56.92	41.16	35.74	31.61
45.0	919.83	689.89	519.38	441.01	441.01	106.10	65.71	53.91	46.42
90.0	829.92	646.23	442.48	302.19	170.51	115.40	96.02	82.42	67.78
135.0	1014.56	827.68	649.42	444.46	444.46	269.03	82.76	54.51	46.93
180.0	551.24	437.57	437.57	123.41	62.26	40.91	35.14	30.74	26.78
225.0	437.65	295.99	177.23	95.07	54.25	46.85	40.22	34.53	27.99
270.0	724.34	508.18	468.57	468.57	130.90	82.93	70.96	60.37	49.17
315.0	352.83	226.15	126.68	68.38	47.28	41.16	34.45	29.88	25.58
360.0	666.73	505.17	359.11	200.66	106.53	56.92	41.16	35.74	31.61

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	26.61	22.13	20.93	19.72	18.95	18.26	17.48	16.97	16.53
45.0	38.67	33.24	28.07	25.75	23.34	21.79	20.15	19.20	18.00
90.0	58.13	49.95	44.01	37.98	34.10	30.74	27.90	25.06	23.17
135.0	38.93	33.59	28.33	25.75	23.34	21.79	20.58	19.46	18.34
180.0	22.65	21.10	20.07	19.29	18.60	17.83	17.31	16.88	16.28
225.0	25.40	23.51	21.62	20.41	19.38	18.34	17.57	16.79	16.28
270.0	41.51	36.69	32.04	29.02	25.84	23.85	22.13	20.75	19.29
315.0	23.34	21.87	20.58	19.38	18.60	17.91	17.22	16.53	16.10
360.0	26.61	22.13	20.93	19.72	18.95	18.26	17.48	16.97	16.53

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.10	15.67	15.42	15.07	14.81	14.47	14.30	14.04	13.78
45.0	17.31	16.71	16.19	15.59	15.24	14.90	14.55	14.21	13.95
90.0	21.19	19.81	18.77	17.57	16.79	16.10	15.42	14.90	14.47
135.0	17.65	16.97	16.28	15.85	15.42	15.07	14.64	14.30	14.12
180.0	15.93	15.50	15.16	14.90	14.55	14.38	14.12	13.95	13.69
225.0	15.85	15.42	14.98	14.64	14.38	14.12	13.78	13.61	13.43
270.0	18.17	17.48	16.71	16.02	15.50	15.07	14.64	14.30	13.95
315.0	15.67	15.33	14.90	14.64	14.30	14.12	13.87	13.61	13.43
360.0	16.10	15.67	15.42	15.07	14.81	14.47	14.30	14.04	13.78

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.61	13.43	13.26	13.09	12.92	12.83	12.75	12.57	12.49
45.0	13.78	13.52	13.26	13.09	13.00	12.83	12.66	12.49	12.40
90.0	14.12	13.78	13.43	13.18	13.00	12.83	12.66	12.49	12.31
135.0	13.87	13.69	13.43	13.26	13.09	13.00	12.83	12.66	12.57
180.0	13.43	13.35	13.09	13.00	12.83	12.75	12.57	12.49	12.40
225.0	13.18	13.00	12.92	12.75	12.66	12.49	12.40	12.31	12.14
270.0	13.61	13.43	13.18	13.00	12.83	12.66	12.57	12.40	12.31
315.0	13.26	13.18	12.92	12.83	12.75	12.57	12.49	12.40	12.31
360.0	13.61	13.43	13.26	13.09	12.92	12.83	12.75	12.57	12.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.40	12.31	12.23	12.06	11.97	11.97	11.88	11.80	11.80
45.0	12.31	12.23	12.06	12.06	11.97	11.88	11.80	11.71	11.71
90.0	12.23	12.06	11.97	11.97	11.80	11.80	11.71	11.63	11.63
135.0	12.40	12.40	12.31	12.14	12.06	12.06	11.97	11.88	11.80
180.0	12.23	12.14	12.06	11.97	11.88	11.80	11.80	11.71	11.71
225.0	12.14	11.97	11.88	11.80	11.80	11.71	11.63	11.63	11.54
270.0	12.23	12.14	12.06	11.97	11.88	11.80	11.71	11.71	11.63
315.0	12.14	12.14	12.06	11.97	11.88	11.80	11.71	11.71	11.71
360.0	12.40	12.31	12.23	12.06	11.97	11.97	11.88	11.80	11.80

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.71	11.63	11.63	11.54	11.54	11.54	11.45	11.45	11.37
45.0	11.63	11.63	11.54	11.54	11.45	11.45	11.45	11.37	11.28
90.0	11.54	11.54	11.45	11.45	11.45	11.37	11.37	11.37	11.28
135.0	11.80	11.71	11.63	11.63	11.63	11.54	11.54	11.45	11.45
180.0	11.63	11.63	11.54	11.54	11.54	11.45	11.37	11.37	11.37
225.0	11.54	11.45	11.45	11.45	11.37	11.37	11.28	11.28	11.20
270.0	11.63	11.54	11.54	11.45	11.45	11.45	11.37	11.28	11.28
315.0	11.63	11.54	11.54	11.45	11.45	11.37	11.37	11.37	11.37
360.0	11.71	11.63	11.63	11.54	11.54	11.54	11.45	11.45	11.37

Intensity data(cd)

C/γ(°)	90.0
0.0	11.37
45.0	11.28
90.0	11.28
135.0	11.45
180.0	11.37
225.0	11.28
270.0	11.28
315.0	11.37
360.0	11.37