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Nata

Client: NT
LumCAT: 3-3014-LM
Luminaire: BJB 47.360.2050
Report No: 20251117-B010
Ballast type: DC

Test No: 20251117-C010	Voltage(V): 35.530
LampCAT: Bridgelux V18 LES18	Current(A): 0.898
Lamp flux(lm): 5130.8	Power (W): 31.900
Number of Lamps: 1	PF: 0.000
Length(mm): 85	Width(mm): 85
Phm Type: C	Height(mm): 51

Photometric Results

Lumens(lm): 4890.35, Efficiency(%): 95.31% , Luminous Efficacy(lm/W): 153.30
Central intensity(cd): 11214.850, Maximum intensity(cd): 11214.850
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.8
[C90/270]Total=36.8
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=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.308%

Equipment: GMS1980	Date: 2025/11/17	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.28

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	11214.855	0.000	0	0.00%	0.00%
1.0	11207.750	10.729	10.729	0.21%	0.22%
2.0	11207.212	32.172	42.901	0.63%	0.88%
3.0	11199.138	53.589	96.489	1.04%	1.97%
4.0	11171.580	74.882	171.371	1.46%	3.50%
5.0	11116.357	95.882	267.253	1.87%	5.46%
6.0	11016.029	116.312	383.565	2.27%	7.84%
7.0	10873.072	135.865	519.43	2.65%	10.62%
8.0	10676.077	154.223	673.653	3.01%	13.78%
9.0	10438.174	171.120	844.772	3.34%	17.27%
10.0	10101.559	185.877	1030.649	3.62%	21.08%
11.0	9735.664	198.215	1228.864	3.86%	25.13%
12.0	9276.222	207.827	1436.691	4.05%	29.38%
13.0	8793.528	214.442	1651.134	4.18%	33.76%
14.0	8251.413	218.174	1869.307	4.25%	38.22%
15.0	7661.071	218.454	2087.761	4.26%	42.69%
16.0	7048.662	215.539	2303.3	4.20%	47.10%
17.0	6432.054	209.931	2513.231	4.09%	51.39%
18.0	5826.749	202.121	2715.352	3.94%	55.52%
19.0	5204.759	191.926	2907.277	3.74%	59.45%
20.0	4642.298	180.228	3087.506	3.51%	63.13%
21.0	4130.648	168.458	3255.964	3.28%	66.58%
22.0	3636.543	156.085	3412.049	3.04%	69.77%
23.0	3226.943	144.014	3556.064	2.81%	72.72%
24.0	2857.602	133.030	3689.094	2.59%	75.44%
25.0	2583.530	123.719	3812.813	2.41%	77.97%
26.0	2331.914	116.030	3928.843	2.26%	80.34%
27.0	2116.155	108.823	4037.666	2.12%	82.56%
28.0	1948.816	102.916	4140.582	2.01%	84.67%
29.0	1765.341	97.173	4237.755	1.89%	86.66%
30.0	1622.740	91.477	4329.232	1.78%	88.53%
31.0	1445.390	85.382	4414.614	1.66%	90.27%
32.0	1270.580	77.809	4492.423	1.52%	91.86%
33.0	1094.597	69.679	4562.102	1.36%	93.29%
34.0	920.950	60.996	4623.099	1.19%	94.54%
35.0	751.092	51.927	4675.026	1.01%	95.60%
36.0	582.408	42.459	4717.485	0.83%	96.47%
37.0	456.794	33.893	4751.378	0.66%	97.16%

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	327.315	26.172	4777.55	0.51%	97.69%
39.0	252.725	19.798	4797.349	0.39%	98.10%
40.0	162.635	14.486	4811.835	0.28%	98.39%
41.0	70.348	8.296	4820.132	0.16%	98.56%
42.0	51.563	4.429	4824.561	0.09%	98.65%
43.0	42.758	3.494	4828.055	0.07%	98.73%
44.0	36.213	2.981	4831.035	0.06%	98.79%
45.0	30.346	2.558	4833.593	0.05%	98.84%
46.0	26.320	2.216	4835.809	0.04%	98.88%
47.0	23.618	1.986	4837.795	0.04%	98.93%
48.0	21.626	1.829	4839.624	0.04%	98.96%
49.0	20.066	1.712	4841.337	0.03%	99.00%
50.0	18.828	1.622	4842.958	0.03%	99.03%
51.0	17.805	1.550	4844.508	0.03%	99.06%
52.0	16.922	1.490	4845.998	0.03%	99.09%
53.0	16.083	1.436	4847.434	0.03%	99.12%
54.0	15.469	1.391	4848.825	0.03%	99.15%
55.0	14.877	1.355	4850.179	0.03%	99.18%
56.0	14.360	1.321	4851.5	0.03%	99.21%
57.0	13.833	1.289	4852.789	0.03%	99.23%
58.0	13.391	1.259	4854.048	0.02%	99.26%
59.0	13.004	1.234	4855.282	0.02%	99.28%
60.0	12.649	1.212	4856.494	0.02%	99.31%
61.0	12.390	1.195	4857.689	0.02%	99.33%
62.0	12.153	1.183	4858.872	0.02%	99.36%
63.0	11.938	1.172	4860.043	0.02%	99.38%
64.0	11.787	1.164	4861.208	0.02%	99.40%
65.0	11.615	1.158	4862.366	0.02%	99.43%
66.0	11.454	1.151	4863.517	0.02%	99.45%
67.0	11.335	1.146	4864.663	0.02%	99.47%
68.0	11.206	1.142	4865.805	0.02%	99.50%
69.0	11.099	1.138	4866.943	0.02%	99.52%
70.0	10.980	1.134	4868.076	0.02%	99.54%
71.0	10.894	1.131	4869.207	0.02%	99.57%
72.0	10.819	1.129	4870.336	0.02%	99.59%
73.0	10.722	1.126	4871.462	0.02%	99.61%
74.0	10.646	1.123	4872.586	0.02%	99.64%
75.0	10.560	1.120	4873.706	0.02%	99.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.506	1.118	4874.825	0.02%	99.68%
77.0	10.453	1.117	4875.942	0.02%	99.71%
78.0	10.388	1.116	4877.058	0.02%	99.73%
79.0	10.356	1.115	4878.172	0.02%	99.75%
80.0	10.280	1.113	4879.285	0.02%	99.77%
81.0	10.270	1.111	4880.396	0.02%	99.80%
82.0	10.237	1.112	4881.508	0.02%	99.82%
83.0	10.194	1.111	4882.619	0.02%	99.84%
84.0	10.173	1.110	4883.728	0.02%	99.86%
85.0	10.162	1.110	4884.838	0.02%	99.89%
86.0	10.140	1.110	4885.948	0.02%	99.91%
87.0	10.076	1.106	4887.054	0.02%	99.93%
88.0	10.022	1.101	4888.155	0.02%	99.96%
89.0	9.990	1.097	4889.252	0.02%	99.98%
90.0	10.000	1.096	4890.348	0.02%	100.00%

Zonal flux distribution table

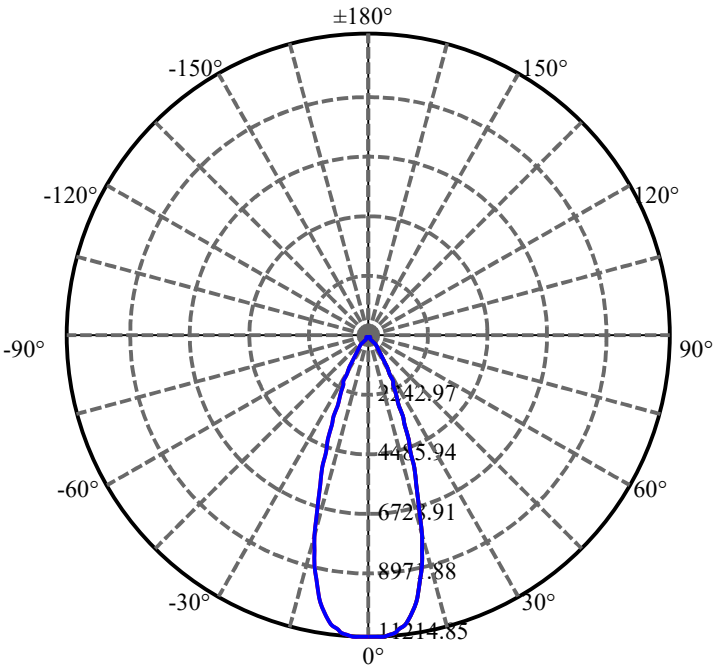
ZONAL LUMEN SUMMARY

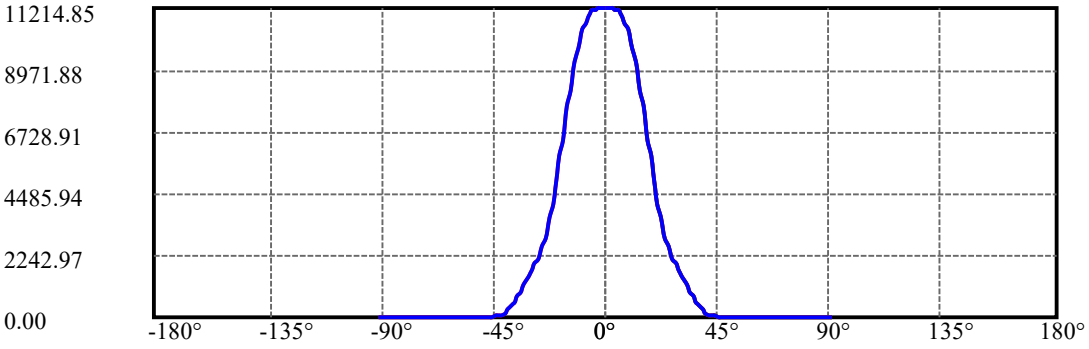
Zone	Lumens	%Lamp	%Fixt
0-30	4329.23	84.38%	88.53%
0-40	4811.84	93.78%	98.39%
0-60	4856.49	94.65%	99.31%
0-90	4889.25	95.29%	99.98%
0-120	4889.25	95.29%	99.98%
0-180	4890.35	95.31%	100.00%
60-90	32.76	0.64%	0.67%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.86	3912.28	76.25%	80.00%

ZONAL LUMEN SUMMARY

0-10	1030.65
10-20	2056.86
20-30	1241.73
30-40	482.60
40-50	31.12
50-60	13.54
60-70	11.58
70-80	11.21
80-90	9.97
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):

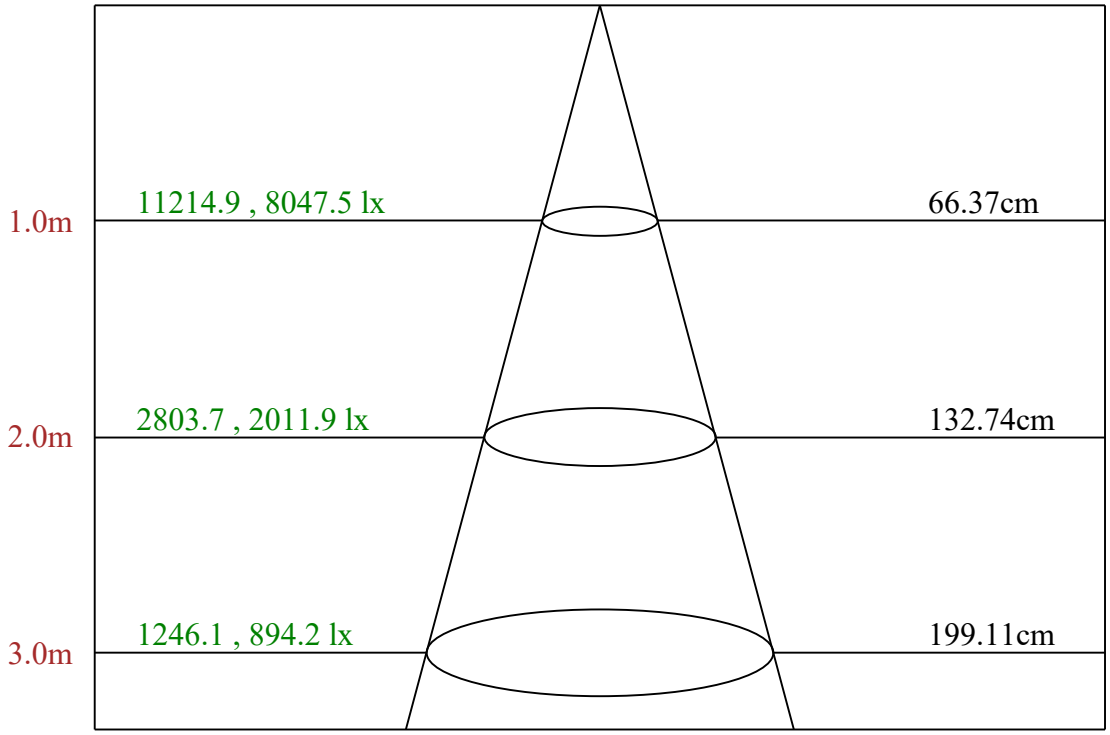
C0/C180:

C90/C270:

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

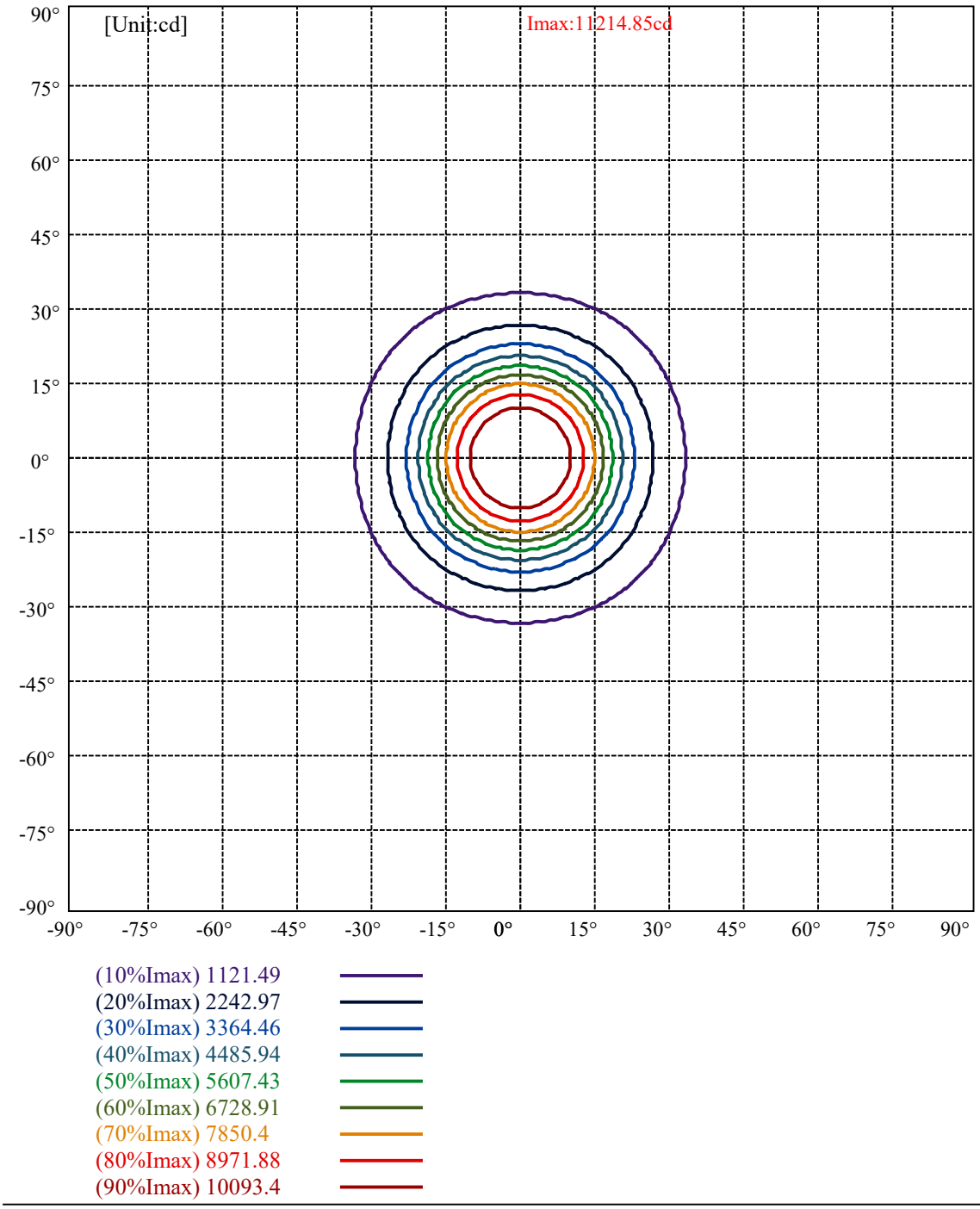
Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4

Lux distance Curve



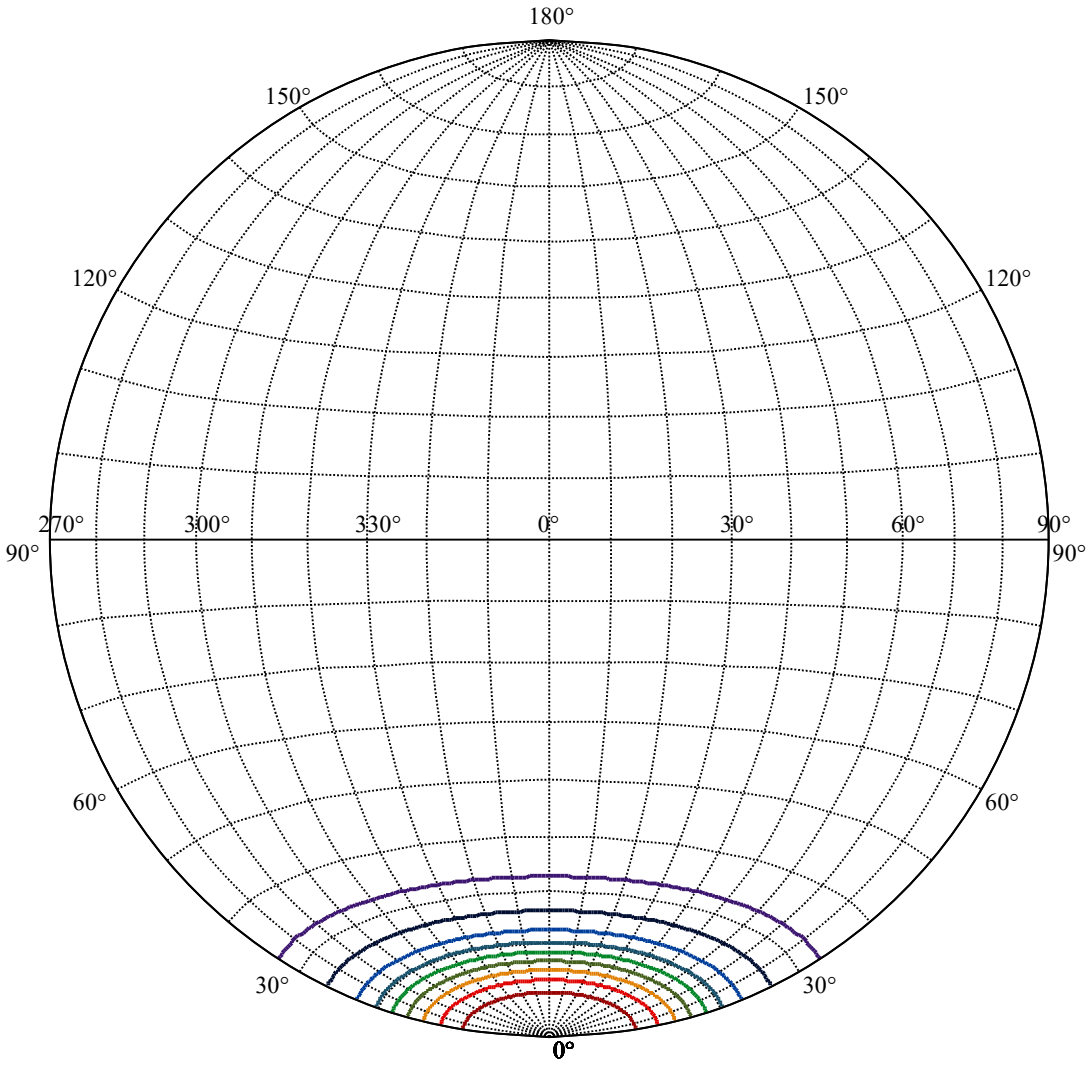
Max , Ave

Beam angle of C0 plane 36.72



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/11/17
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



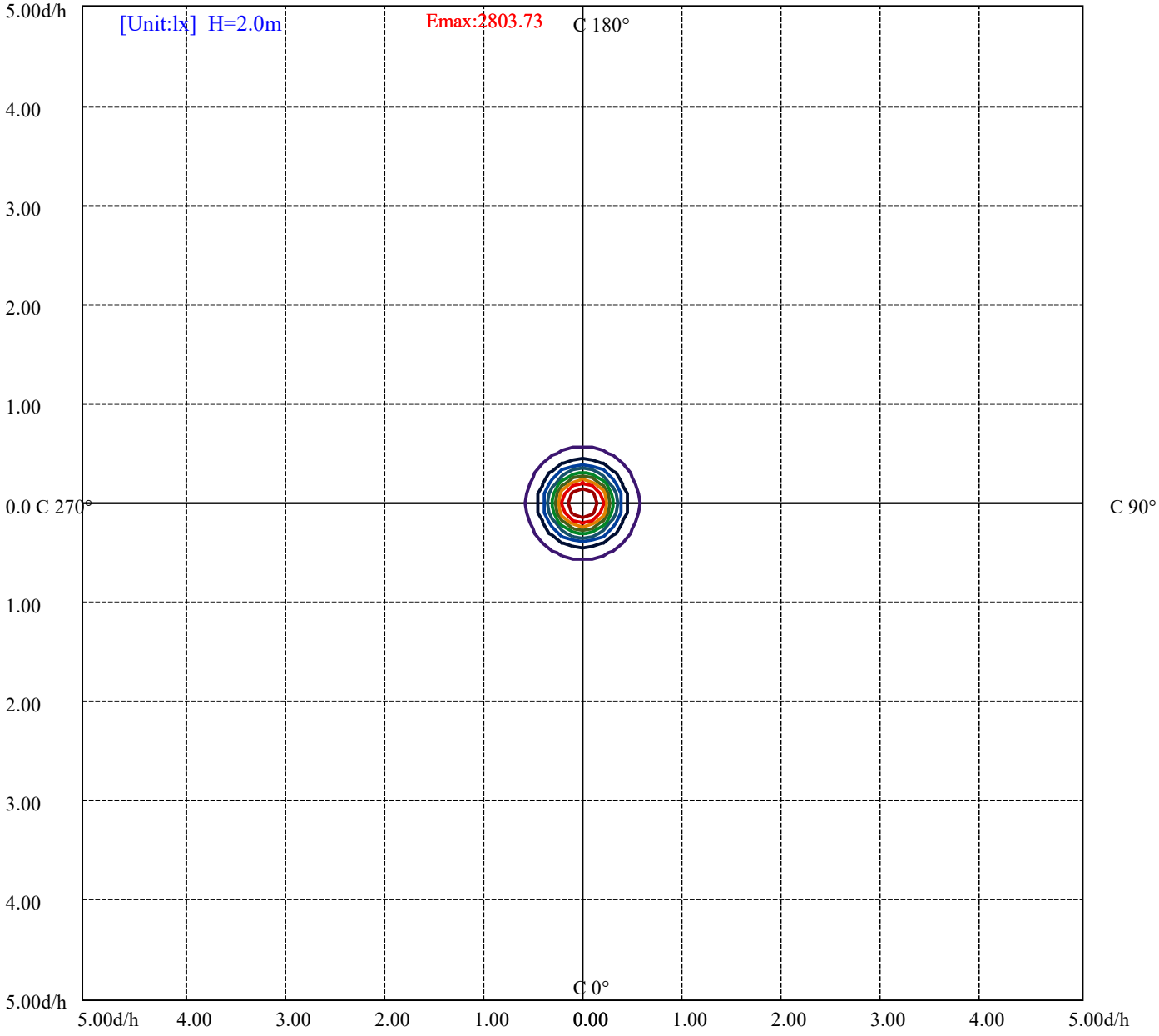
House [Unit:cd] Road

Imax:11214.85

(10%Imax) 1121.49
(20%Imax) 2242.97
(30%Imax) 3364.46
(40%Imax) 4485.94
(50%Imax) 5607.43
(60%Imax) 6728.91
(70%Imax) 7850.4
(80%Imax) 8971.88
(90%Imax) 10093.4

NT Nata 3-3014-LM

ISO illuminance diagram

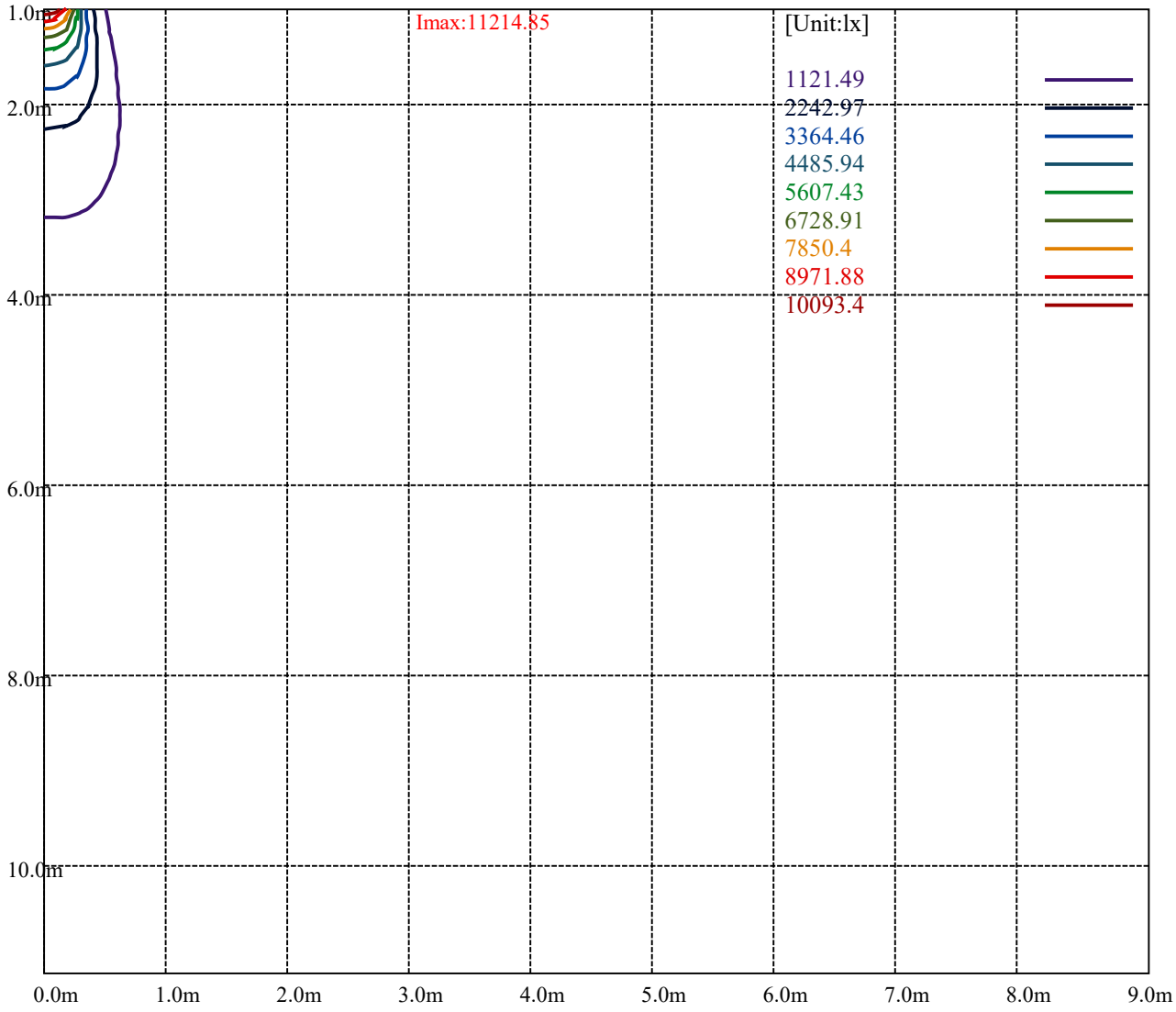


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/17
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/17
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 3-3014-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

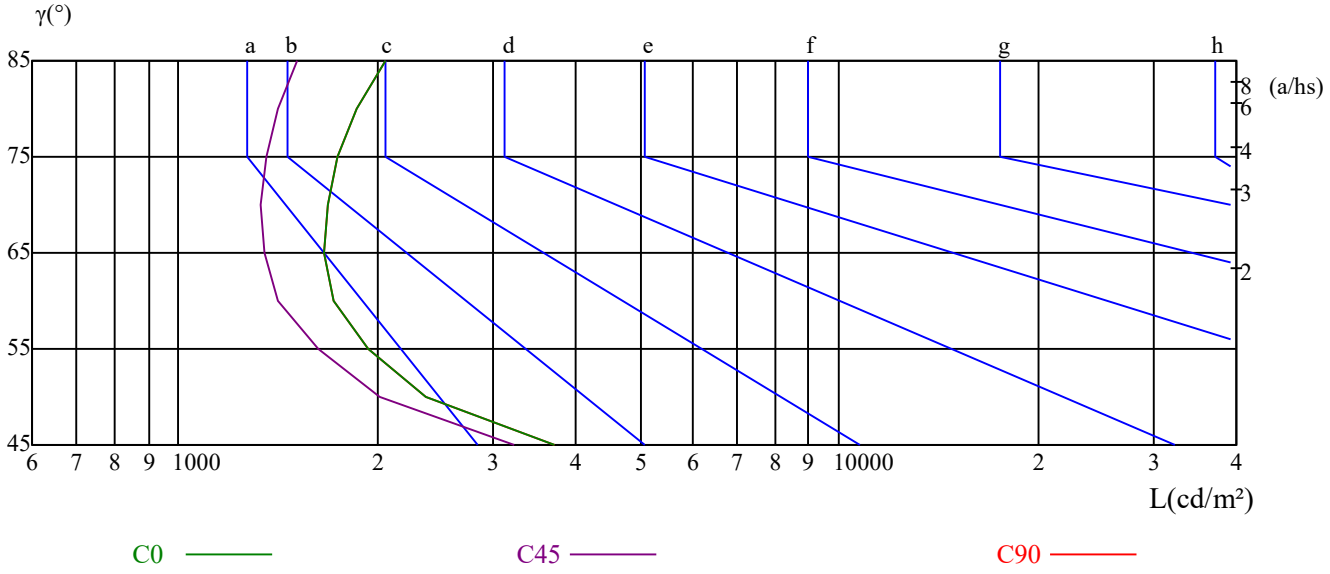
γ	45	50	55	60	65	70	75	80	85
C0	3712	2364	1933	1717	1664	1678	1743	1861	2054
C45	3213	2016	1623	1418	1349	1334	1355	1410	1508
C90	3712	2364	1933	1717	1664	1678	1743	1861	2054

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3804	3804	3804	5647	5647	5647	16138	16138	16138

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: 2025/11/17
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

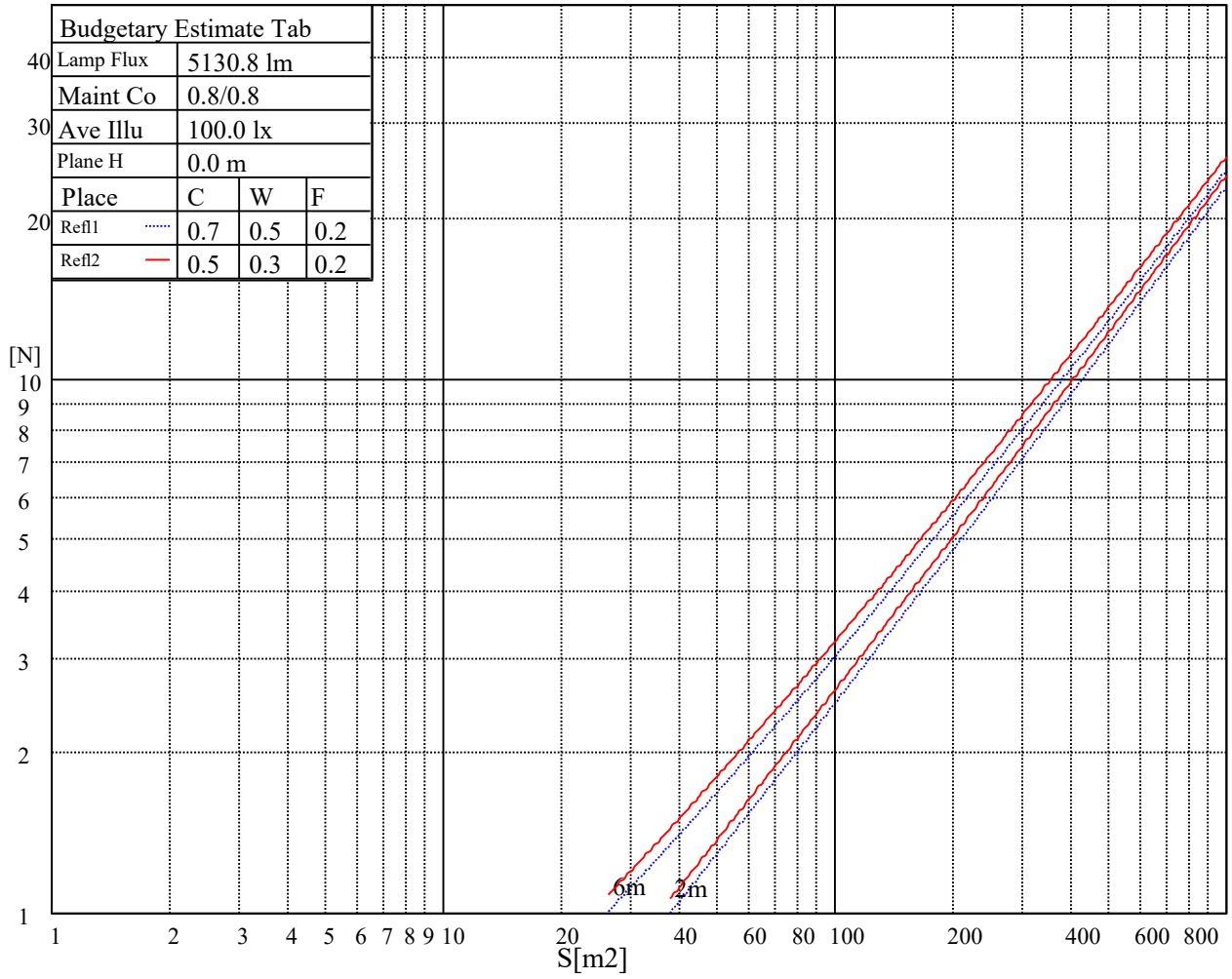
Illumination assessment according UGR

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	16.02	16.92	16.39	17.23	17.55	16.35	17.25	16.71	17.56	17.88
	3H	15.84	16.64	16.23	16.98	17.32	16.16	16.96	16.55	17.30	17.65
	4H	15.76	16.50	16.17	16.86	17.23	16.08	16.82	16.49	17.18	17.55
	6H	15.73	16.40	16.15	16.78	17.18	16.04	16.71	16.46	17.09	17.49
	8H	15.69	16.33	16.11	16.72	17.13	16.00	16.64	16.42	17.03	17.44
	12H	15.67	16.27	16.09	16.67	17.09	15.97	16.58	16.40	16.98	17.39
4H	2H	15.70	16.44	16.10	16.80	17.16	16.03	16.77	16.43	17.12	17.49
	3H	15.50	16.12	15.92	16.51	16.93	15.82	16.44	16.24	16.83	17.25
	4H	15.47	16.01	15.91	16.43	16.88	15.79	16.32	16.22	16.75	17.20
	6H	15.42	15.89	15.90	16.35	16.80	15.72	16.20	16.20	16.65	17.10
	8H	15.43	15.87	15.92	16.33	16.80	15.73	16.16	16.22	16.62	17.10
	12H	15.47	15.87	15.96	16.32	16.84	15.76	16.16	16.25	16.61	17.14
8H	4H	15.29	15.73	15.78	16.19	16.66	15.60	16.04	16.09	16.50	16.97
	6H	15.27	15.63	15.78	16.11	16.62	15.57	15.92	16.08	16.40	16.92
	8H	15.36	15.66	15.90	16.18	16.68	15.65	15.94	16.19	16.47	16.97
	12H	15.45	15.68	16.00	16.19	16.72	15.73	15.95	16.28	16.47	17.00
12H	4H	15.25	15.65	15.74	16.10	16.62	15.56	15.96	16.05	16.41	16.93
	6H	15.28	15.57	15.81	16.09	16.59	15.57	15.87	16.11	16.39	16.89
	8H	15.35	15.57	15.89	16.09	16.61	15.63	15.85	16.18	16.37	16.90

Variation with the observer position at spacings:		
S = 1.0H	6.2/-10.2	6.2/-10.2
S = 1.5H	8.9/-8.5	8.9/-8.5
S = 2.0H	10.7/-7.4	10.7/-7.4
Standard tables:	BK0	BK0
Uncorrected UGR	-3.4	-3.4

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

Budgetary Estimate Table



Equipment: GMS1980	Date: 2025/11/17	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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.86	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
5	0.86	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	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	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.65	0.62	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	11205.81	11196.34	11198.92	11193.76	11187.73	11150.70	11084.39	11008.60	10857.89
45.0	11223.90	11204.09	11207.53	11200.65	11204.09	11174.81	11133.47	11022.38	10876.84
90.0	11211.84	11212.70	11205.81	11206.67	11186.01	11130.03	11033.58	10874.26	10687.38
135.0	11217.87	11219.59	11215.29	11215.29	11217.01	11214.42	11173.95	11111.08	10975.88
180.0	11205.81	11192.89	11200.65	11227.34	11186.01	11119.69	11006.02	10862.20	10609.87
225.0	11223.90	11213.56	11206.67	11155.00	11100.75	10986.21	10809.67	10606.43	10344.63
270.0	11211.84	11204.95	11211.84	11216.15	11182.56	11136.92	11055.97	10899.23	10718.38
315.0	11217.87	11217.87	11210.98	11178.25	11108.50	11018.07	10831.20	10600.40	10337.74
360.0	11205.81	11196.34	11198.92	11193.76	11187.73	11150.70	11084.39	11008.60	10857.89

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	10615.90	10372.19	10029.43	9547.17	9082.99	8568.01	7878.20	7285.70	6670.82
45.0	10714.08	10499.64	10136.22	9813.28	9423.16	8975.35	8377.68	7856.67	7167.72
90.0	10451.42	10080.24	9724.58	9314.65	8856.50	8225.25	7698.21	7156.53	6601.92
135.0	10827.75	10618.48	10365.30	9970.01	9591.95	9155.33	8663.60	7987.57	7402.82
180.0	10371.33	10026.85	9637.60	9082.99	8575.76	8001.35	7414.88	6667.37	6037.85
225.0	10029.43	9568.70	9151.03	8683.40	8159.80	7494.11	6929.17	6380.60	5670.98
270.0	10478.97	10103.50	9731.47	9315.51	8719.57	8215.78	7680.99	7000.65	6441.74
315.0	10016.52	9542.87	9109.69	8482.75	7938.48	7376.13	6645.84	6054.21	5462.58
360.0	10615.90	10372.19	10029.43	9547.17	9082.99	8568.01	7878.20	7285.70	6670.82

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	5933.64	5342.01	4752.96	4201.80	3572.28	3127.91	2749.85	2463.93	2198.69
45.0	6602.78	6050.76	5382.49	4854.58	4355.95	3902.97	3395.73	3049.54	2769.65
90.0	5919.00	5390.24	4872.67	4264.67	3820.30	3425.88	3021.98	2757.60	2542.30
135.0	6812.91	6070.57	5486.69	4908.83	4233.67	3741.93	3214.02	2847.16	2568.14
180.0	5418.66	4678.04	4114.82	3611.03	3065.04	2697.31	2427.76	2166.83	2008.37
225.0	5131.02	4494.61	4026.12	3603.28	3235.55	2860.94	2619.81	2426.04	2258.97
270.0	5900.06	5388.51	4759.85	4287.92	3868.52	3485.30	3079.68	2824.77	2611.20
315.0	4895.92	4223.33	3742.79	3313.06	2941.03	2573.30	2351.98	2132.38	1698.00
360.0	5933.64	5342.01	4752.96	4201.80	3572.28	3127.91	2749.85	2463.93	2198.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2038.51	1698.77	1698.77	1583.11	1396.24	1250.27	1096.46	938.69	742.86
45.0	2531.97	2302.89	2134.96	1955.83	1722.45	1545.91	1367.65	1147.18	976.67
90.0	2321.84	2144.43	1679.83	1679.83	1542.55	1360.84	1178.10	1000.44	789.71
135.0	2336.48	2110.85	1966.17	1808.57	1650.98	1440.85	1281.53	1123.07	974.09
180.0	1887.80	1743.98	1553.66	1405.54	1262.58	1113.60	916.39	759.65	590.00
225.0	1716.17	1716.17	1665.96	1485.46	1262.32	1097.23	933.78	738.81	587.33
270.0	2398.48	2218.50	1979.95	1788.77	1607.92	1427.07	1198.85	1018.01	841.46
315.0	1698.00	1654.94	1443.43	1274.81	1118.08	928.87	784.02	641.75	506.63
360.0	2038.51	1698.77	1698.77	1583.11	1396.24	1250.27	1096.46	938.69	742.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	590.51	454.02	304.95	199.02	112.21	58.82	39.27	32.98	28.68
45.0	772.57	616.69	469.43	435.85	435.85	103.26	64.59	52.96	45.04
90.0	628.58	486.91	328.89	219.77	132.79	72.86	61.32	52.02	42.46
135.0	782.90	633.92	459.96	459.96	301.59	102.48	55.20	41.85	36.51
180.0	446.18	446.18	301.59	107.13	54.94	40.13	34.36	30.57	26.87
225.0	413.28	290.13	183.69	105.58	66.48	56.41	48.05	41.08	33.33
270.0	679.56	496.99	434.98	434.98	155.19	92.66	78.45	64.42	55.12
315.0	345.68	229.51	135.03	59.51	42.03	36.17	31.26	26.18	21.70
360.0	590.51	454.02	304.95	199.02	112.21	58.82	39.27	32.98	28.68

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	23.94	19.81	18.86	17.83	17.05	16.36	15.76	15.33	14.90
45.0	36.69	30.92	26.52	23.77	21.87	20.32	18.86	17.83	16.79
90.0	35.74	30.83	27.73	24.54	22.56	20.93	19.46	18.08	17.05
135.0	30.74	26.61	21.36	20.07	18.69	17.74	17.05	16.28	15.76
180.0	19.98	18.43	17.57	16.88	16.28	15.59	15.16	14.73	14.30
225.0	28.59	26.01	23.85	21.53	20.07	18.52	17.57	16.71	15.76
270.0	47.19	39.18	35.14	31.52	27.73	25.40	23.34	21.70	19.81
315.0	19.89	18.77	17.91	16.88	16.28	15.76	15.24	14.73	14.30
360.0	23.94	19.81	18.86	17.83	17.05	16.36	15.76	15.33	14.90

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.55	14.12	13.78	13.43	13.18	12.75	12.49	12.40	12.14
45.0	16.10	15.42	14.90	14.30	13.78	13.35	12.92	12.49	12.23
90.0	16.28	15.42	14.73	14.04	13.43	13.09	12.66	12.40	12.14
135.0	15.33	14.81	14.47	14.12	13.61	13.18	12.83	12.66	12.40
180.0	13.95	13.61	13.35	13.09	12.75	12.57	12.40	12.14	11.97
225.0	15.16	14.64	13.95	13.43	13.09	12.75	12.40	12.14	11.97
270.0	18.52	17.57	16.62	15.42	14.73	14.04	13.35	12.92	12.57
315.0	13.87	13.43	13.09	12.83	12.57	12.31	12.14	11.97	11.80
360.0	14.55	14.12	13.78	13.43	13.18	12.75	12.49	12.40	12.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.88	11.80	11.63	11.45	11.37	11.20	11.11	11.02	10.94
45.0	12.06	11.88	11.71	11.54	11.37	11.28	11.11	11.02	10.94
90.0	11.97	11.71	11.54	11.45	11.28	11.11	11.02	10.94	10.85
135.0	12.14	12.06	11.88	11.71	11.63	11.45	11.37	11.20	11.02
180.0	11.80	11.71	11.54	11.37	11.28	11.20	11.11	11.02	10.94
225.0	11.80	11.54	11.45	11.28	11.11	11.02	10.94	10.85	10.76
270.0	12.23	12.06	11.80	11.54	11.45	11.28	11.20	10.94	10.85
315.0	11.63	11.54	11.37	11.28	11.20	11.11	10.94	10.85	10.85
360.0	11.88	11.80	11.63	11.45	11.37	11.20	11.11	11.02	10.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.94	10.76	10.68	10.59	10.51	10.51	10.42	10.42	10.25
45.0	10.85	10.76	10.68	10.59	10.51	10.42	10.42	10.33	10.25
90.0	10.76	10.68	10.59	10.51	10.42	10.42	10.33	10.33	10.25
135.0	11.02	10.94	10.85	10.76	10.76	10.68	10.59	10.51	10.51
180.0	10.85	10.68	10.68	10.59	10.51	10.42	10.42	10.33	10.33
225.0	10.59	10.59	10.51	10.42	10.42	10.33	10.25	10.25	10.16
270.0	10.76	10.68	10.59	10.51	10.51	10.42	10.33	10.33	10.25
315.0	10.76	10.68	10.59	10.51	10.42	10.42	10.33	10.33	10.25
360.0	10.94	10.76	10.68	10.59	10.51	10.51	10.42	10.42	10.25

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.25	10.25	10.25	10.16	10.16	10.16	10.08	10.08	9.99
45.0	10.25	10.16	10.16	10.08	10.08	10.08	10.08	9.99	9.99
90.0	10.25	10.25	10.16	10.16	10.25	10.16	9.99	9.99	9.90
135.0	10.42	10.42	10.33	10.33	10.33	10.42	10.25	10.16	10.16
180.0	10.33	10.25	10.25	10.25	10.16	10.08	10.08	9.99	9.99
225.0	10.16	10.16	10.08	10.08	10.08	9.99	9.99	9.90	9.90
270.0	10.25	10.16	10.16	10.16	10.08	10.08	10.08	9.99	9.99
315.0	10.25	10.25	10.16	10.16	10.16	10.16	10.08	10.08	9.99
360.0	10.25	10.25	10.25	10.16	10.16	10.16	10.08	10.08	9.99

Intensity data(cd)

C/γ(°)	90.0
0.0	9.99
45.0	9.99
90.0	9.99
135.0	10.08
180.0	9.99
225.0	9.90
270.0	9.99
315.0	10.08
360.0	9.99