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

Nata

Client: NT
LumCAT: 3-2996-LM2
Luminaire: BJB47.360.2100
Report No: 20260513-B002
Ballast type: DC

Test No: 20260513-C002	Voltage(V): 51.020
LampCAT: Bridgelux V22 GEN8	Current(A): 0.954
Lamp flux(lm): 8107.8	Power (W): 48.670
Number of Lamps: 1	PF: 0.000
Length(mm): 92	Width(mm): 92
Phm Type: C	Height(mm): 49

Photometric Results

Lumens(lm): 7874.88, Efficiency(%): 97.13% , Luminous Efficacy(lm/W): 161.80
Central intensity(cd): 22974.190, Maximum intensity(cd): 22974.190
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=29.2
[C90/270]Total=29.2
Field angle(10%Imax): [C0/180]Total=65.0
[C90/270]Total=65.0
Maximum s/h(1/2): C0_180=0.50 C90_270=0.50
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 97.13%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.369%

NT Nata 3-2996-LM2

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	22974.191	0.000	0	0.00%	0.00%
1.0	22931.191	21.965	21.965	0.27%	0.28%
2.0	22804.283	65.644	87.609	0.81%	1.11%
3.0	22587.178	108.561	196.17	1.34%	2.49%
4.0	22299.801	150.251	346.421	1.85%	4.40%
5.0	21909.641	190.187	536.608	2.35%	6.81%
6.0	21371.596	227.454	764.062	2.81%	9.70%
7.0	20730.766	261.329	1025.391	3.22%	13.02%
8.0	19508.389	287.984	1313.375	3.55%	16.68%
9.0	18901.121	311.288	1624.663	3.84%	20.63%
10.0	17871.600	332.780	1957.443	4.10%	24.86%
11.0	16456.027	343.003	2300.446	4.23%	29.21%
12.0	15417.381	348.422	2648.868	4.30%	33.64%
13.0	14013.641	349.272	2998.14	4.31%	38.07%
14.0	12479.951	339.116	3337.256	4.18%	42.38%
15.0	10950.772	321.667	3658.923	3.97%	46.46%
16.0	9518.293	299.929	3958.852	3.70%	50.27%
17.0	8137.731	274.952	4233.804	3.39%	53.76%
18.0	6995.566	249.515	4483.319	3.08%	56.93%
19.0	5968.352	225.546	4708.865	2.78%	59.80%
20.0	5109.264	202.751	4911.616	2.50%	62.37%
21.0	4585.693	186.163	5097.779	2.30%	64.73%
22.0	4117.825	174.901	5272.68	2.16%	66.96%
23.0	3660.550	163.211	5435.891	2.01%	69.03%
24.0	3494.207	156.429	5592.32	1.93%	71.01%
25.0	3235.064	153.009	5745.328	1.89%	72.96%
26.0	3055.506	148.490	5893.818	1.83%	74.84%
27.0	2934.577	146.549	6040.367	1.81%	76.70%
28.0	2831.059	145.974	6186.34	1.80%	78.56%
29.0	2743.063	145.835	6332.175	1.80%	80.41%
30.0	2647.935	145.556	6477.731	1.80%	82.26%
31.0	2532.774	144.172	6621.903	1.78%	84.09%
32.0	2409.119	141.579	6763.482	1.75%	85.89%
33.0	2191.457	135.535	6899.017	1.67%	87.61%
34.0	2071.787	129.018	7028.035	1.59%	89.25%
35.0	1889.722	123.030	7151.065	1.52%	90.81%
36.0	1664.540	113.168	7264.233	1.40%	92.25%
37.0	1486.902	102.782	7367.016	1.27%	93.55%

NT Nata 3-2996-LM2

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1295.628	92.877	7459.893	1.15%	94.73%
39.0	1080.327	81.098	7540.991	1.00%	95.76%
40.0	872.880	68.121	7609.112	0.84%	96.63%
41.0	672.996	55.048	7664.159	0.68%	97.32%
42.0	522.711	43.442	7707.602	0.54%	97.88%
43.0	407.687	34.465	7742.066	0.43%	98.31%
44.0	224.940	23.877	7765.943	0.29%	98.62%
45.0	172.699	15.282	7781.225	0.19%	98.81%
46.0	109.298	11.028	7792.253	0.14%	98.95%
47.0	48.183	6.263	7798.517	0.08%	99.03%
48.0	34.978	3.362	7801.879	0.04%	99.07%
49.0	30.049	2.670	7804.549	0.03%	99.11%
50.0	26.336	2.351	7806.9	0.03%	99.14%
51.0	23.871	2.124	7809.024	0.03%	99.16%
52.0	22.445	1.987	7811.011	0.02%	99.19%
53.0	21.417	1.908	7812.919	0.02%	99.21%
54.0	20.567	1.850	7814.77	0.02%	99.24%
55.0	19.844	1.804	7816.574	0.02%	99.26%
56.0	19.267	1.767	7818.341	0.02%	99.28%
57.0	18.732	1.737	7820.078	0.02%	99.30%
58.0	18.291	1.712	7821.791	0.02%	99.33%
59.0	17.935	1.694	7823.484	0.02%	99.35%
60.0	17.620	1.680	7825.164	0.02%	99.37%
61.0	17.379	1.670	7826.834	0.02%	99.39%
62.0	17.159	1.664	7828.498	0.02%	99.41%
63.0	16.970	1.660	7830.158	0.02%	99.43%
64.0	16.802	1.657	7831.815	0.02%	99.45%
65.0	16.655	1.656	7833.471	0.02%	99.47%
66.0	16.487	1.654	7835.125	0.02%	99.50%
67.0	16.351	1.651	7836.776	0.02%	99.52%
68.0	16.194	1.649	7838.425	0.02%	99.54%
69.0	16.089	1.647	7840.071	0.02%	99.56%
70.0	15.963	1.646	7841.718	0.02%	99.58%
71.0	15.869	1.645	7843.363	0.02%	99.60%
72.0	15.806	1.647	7845.01	0.02%	99.62%
73.0	15.732	1.649	7846.659	0.02%	99.64%
74.0	15.659	1.650	7848.309	0.02%	99.66%
75.0	15.617	1.652	7849.962	0.02%	99.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.544	1.654	7851.616	0.02%	99.70%
77.0	15.523	1.656	7853.272	0.02%	99.73%
78.0	15.491	1.660	7854.932	0.02%	99.75%
79.0	15.449	1.662	7856.595	0.02%	99.77%
80.0	15.418	1.664	7858.259	0.02%	99.79%
81.0	15.397	1.666	7859.925	0.02%	99.81%
82.0	15.365	1.668	7861.593	0.02%	99.83%
83.0	15.323	1.668	7863.262	0.02%	99.85%
84.0	15.271	1.667	7864.928	0.02%	99.87%
85.0	15.229	1.665	7866.593	0.02%	99.89%
86.0	15.197	1.663	7868.256	0.02%	99.92%
87.0	15.145	1.661	7869.917	0.02%	99.94%
88.0	15.113	1.658	7871.574	0.02%	99.96%
89.0	15.072	1.654	7873.229	0.02%	99.98%
90.0	15.082	1.653	7874.882	0.02%	100.00%

Zonal flux distribution table

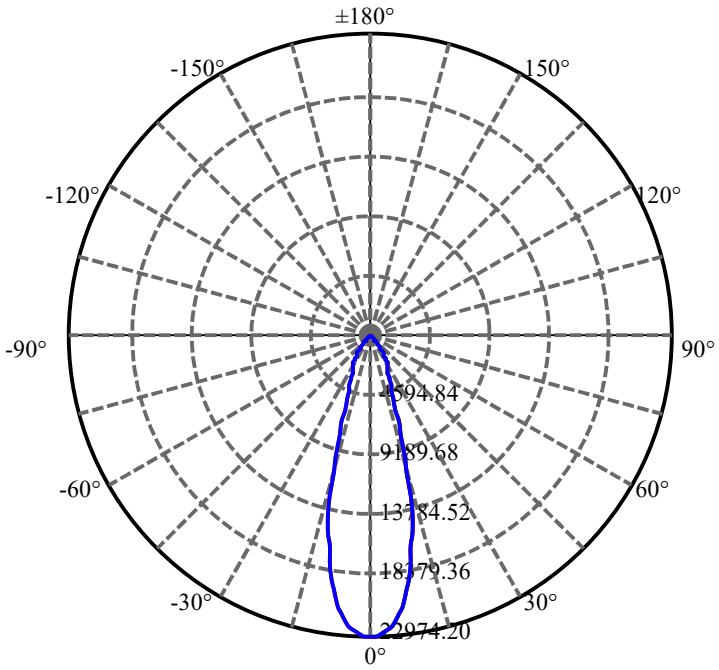
ZONAL LUMEN SUMMARY

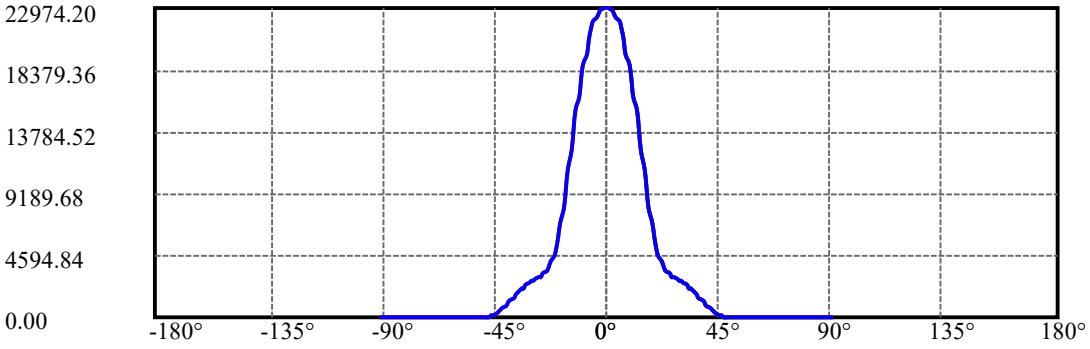
Zone	Lumens	%Lamp	%Fixt
0-30	6477.73	79.90%	82.26%
0-40	7609.11	93.85%	96.63%
0-60	7825.16	96.51%	99.37%
0-90	7873.23	97.11%	99.98%
0-120	7873.23	97.11%	99.98%
0-180	7874.88	97.13%	100.00%
60-90	48.06	0.59%	0.61%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.78	6299.91	77.70%	80.00%

ZONAL LUMEN SUMMARY

0-10	1957.44
10-20	2954.17
20-30	1566.12
30-40	1131.38
40-50	197.79
50-60	18.26
60-70	16.55
70-80	16.54
80-90	14.97
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):

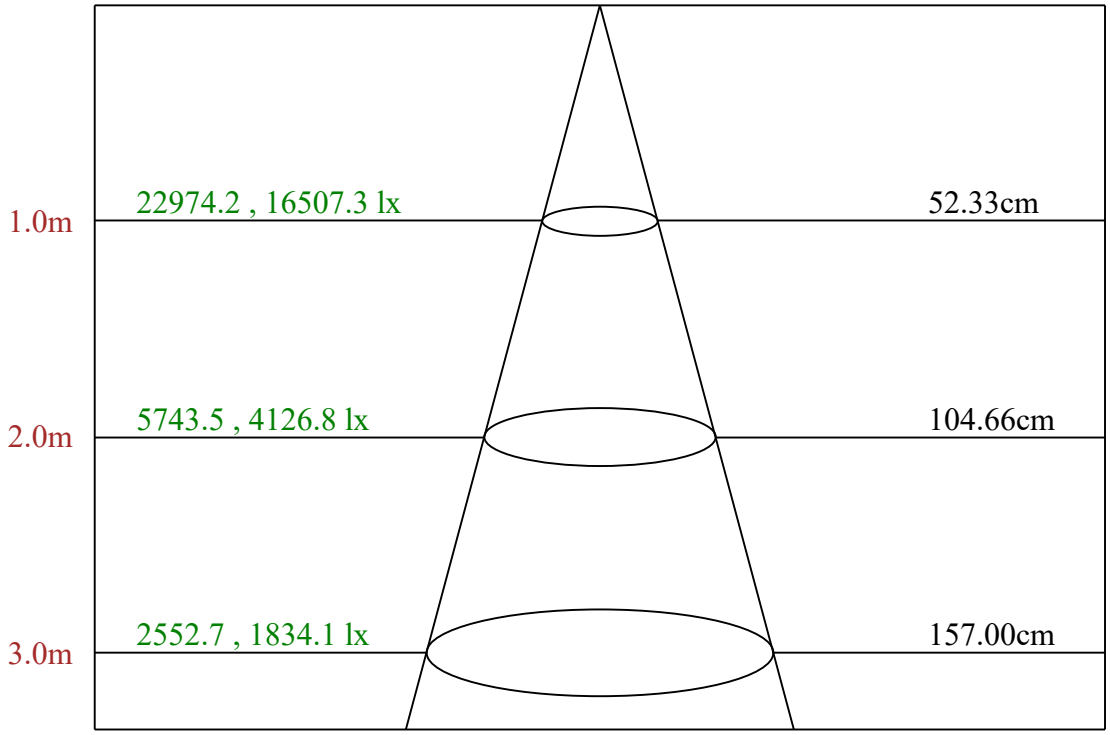
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.5 Right:32.5
:C90/270Left:32.5 Right:32.5

Beam Angle(50%Imax):C0/180Left:14.6 Right:14.6
:C90/270Left:14.6 Right:14.6

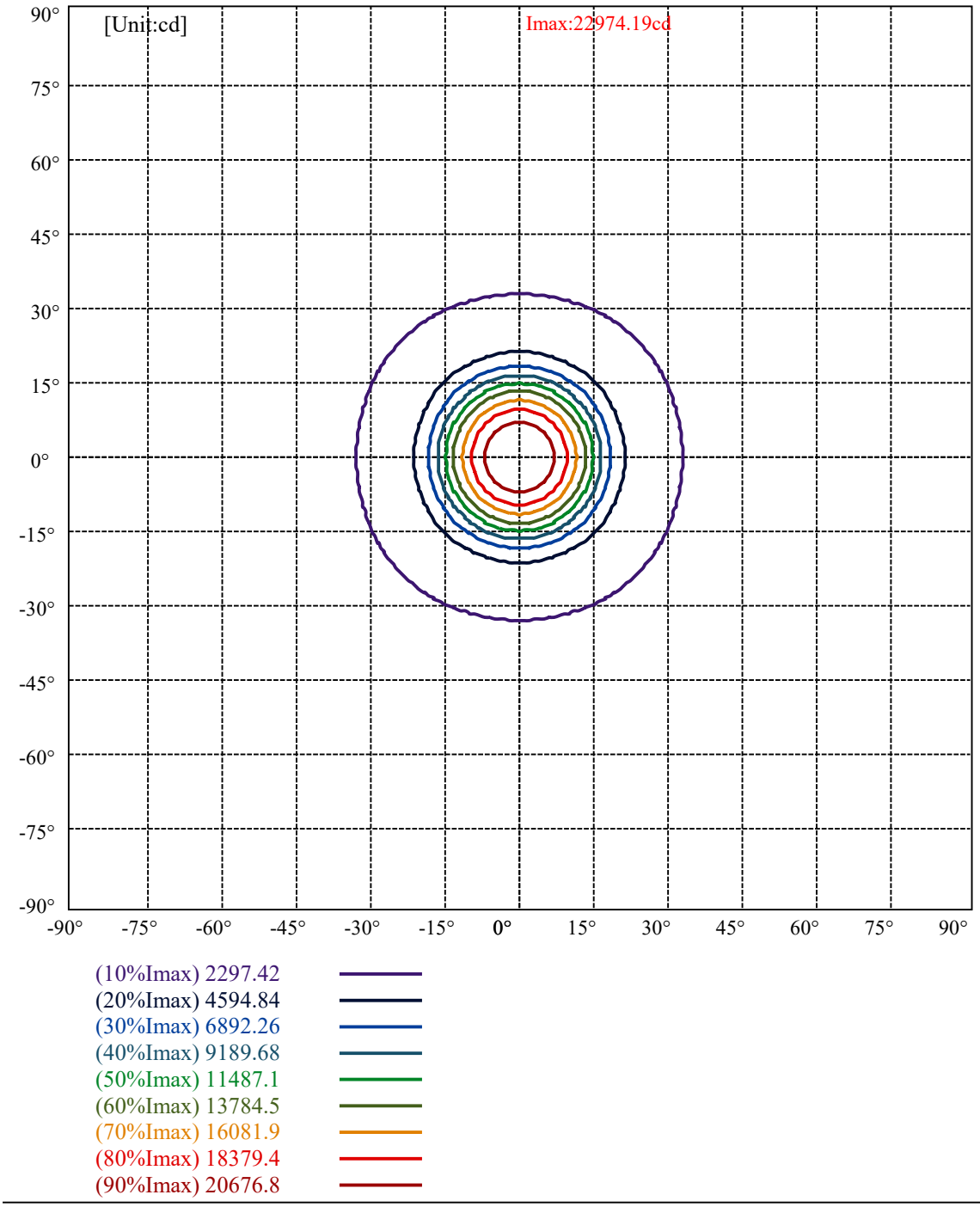
Lux distance Curve



Max , Ave

Beam angle of C0 plane 29.33

ISO-Intensity(V-H)



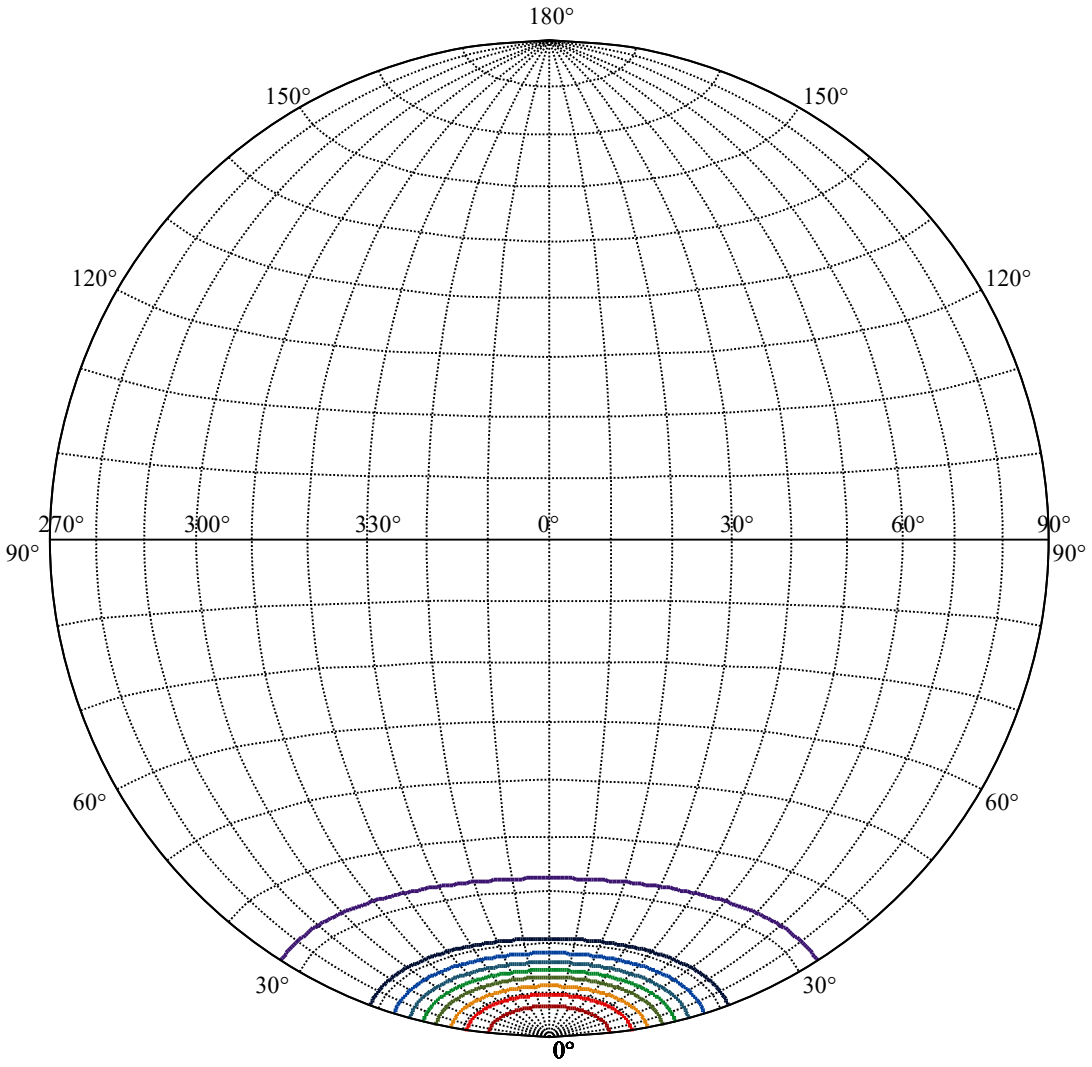
(10%Imax) 2297.42
(20%Imax) 4594.84
(30%Imax) 6892.26
(40%Imax) 9189.68
(50%Imax) 11487.1
(60%Imax) 13784.5
(70%Imax) 16081.9
(80%Imax) 18379.4
(90%Imax) 20676.8

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



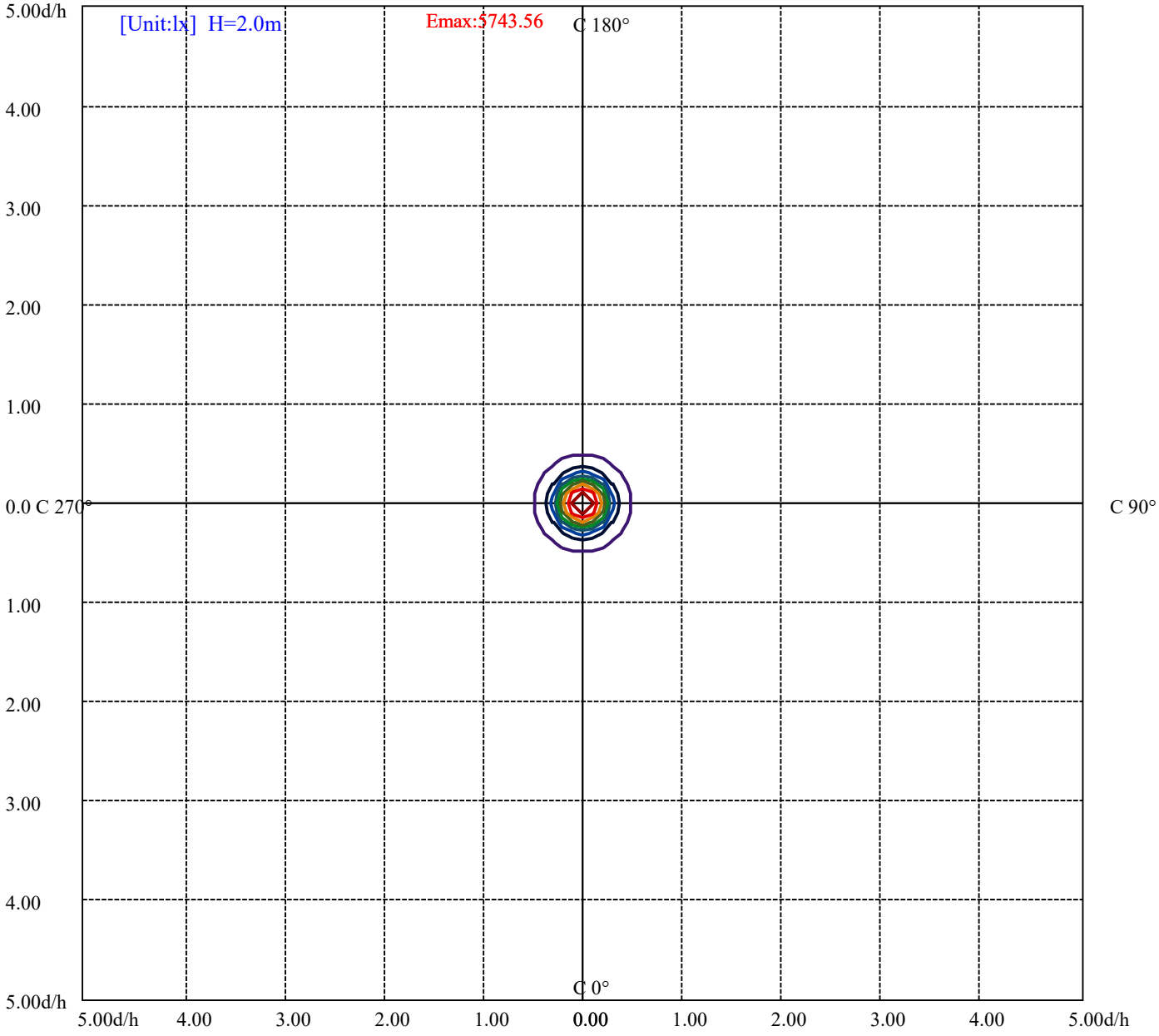
House [Unit:cd] Road

Imax:22974.19

(10%Imax) 2297.42
(20%Imax) 4594.84
(30%Imax) 6892.26
(40%Imax) 9189.68
(50%Imax) 11487.1
(60%Imax) 13784.5
(70%Imax) 16081.9
(80%Imax) 18379.4
(90%Imax) 20676.8

NT Nata 3-2996-LM2

ISO illuminance diagram

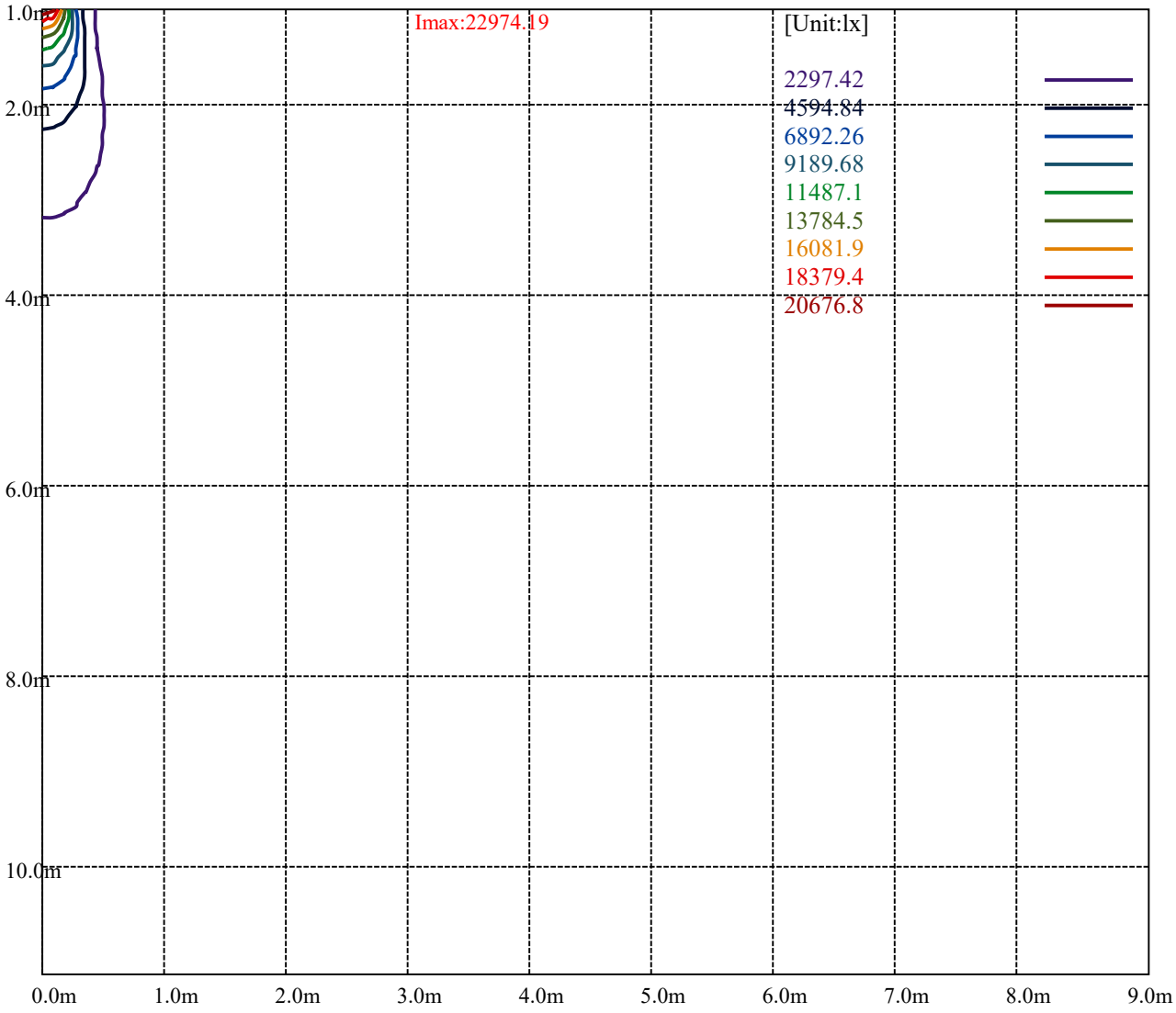


Equipment: GMS1980
Temperature(°C): 25.0

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 3-2996-LM2

Luminance Limitting Curve(no luminous side)

Luminance Table

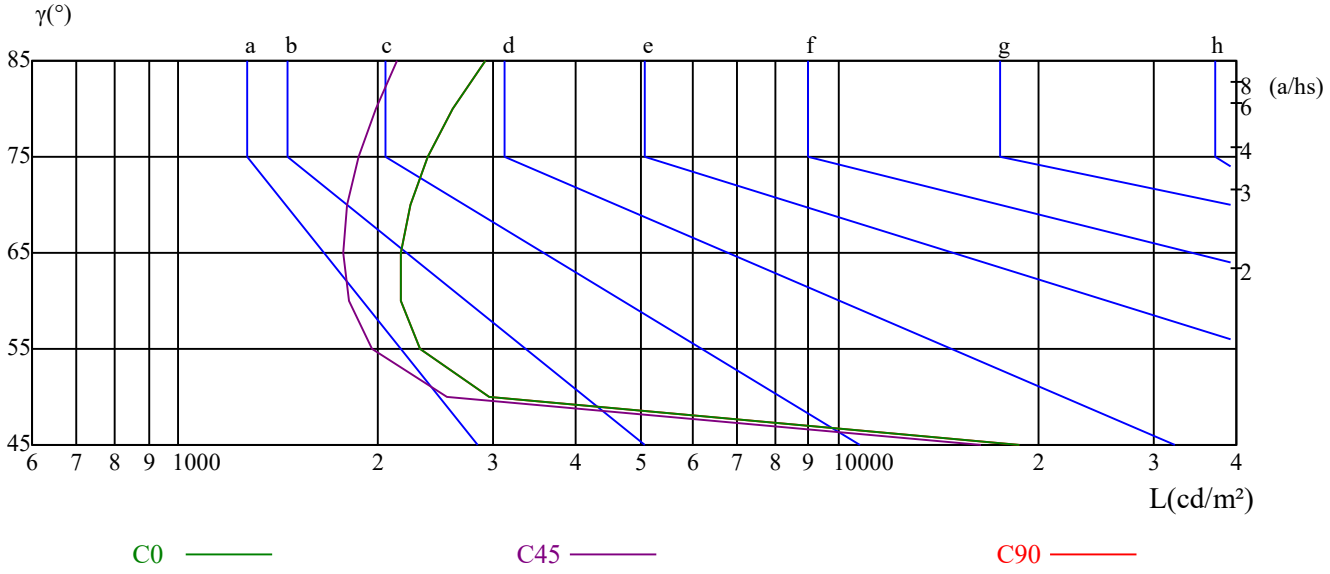
γ	45	50	55	60	65	70	75	80	85
C0	18828	2961	2322	2166	2174	2239	2386	2609	2913
C45	16459	2551	1969	1807	1780	1796	1871	1990	2148
C90	18828	2961	2322	2166	2174	2239	2386	2609	2913

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4656	4656	4656	7129	7129	7129	20644	20644	20644

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%

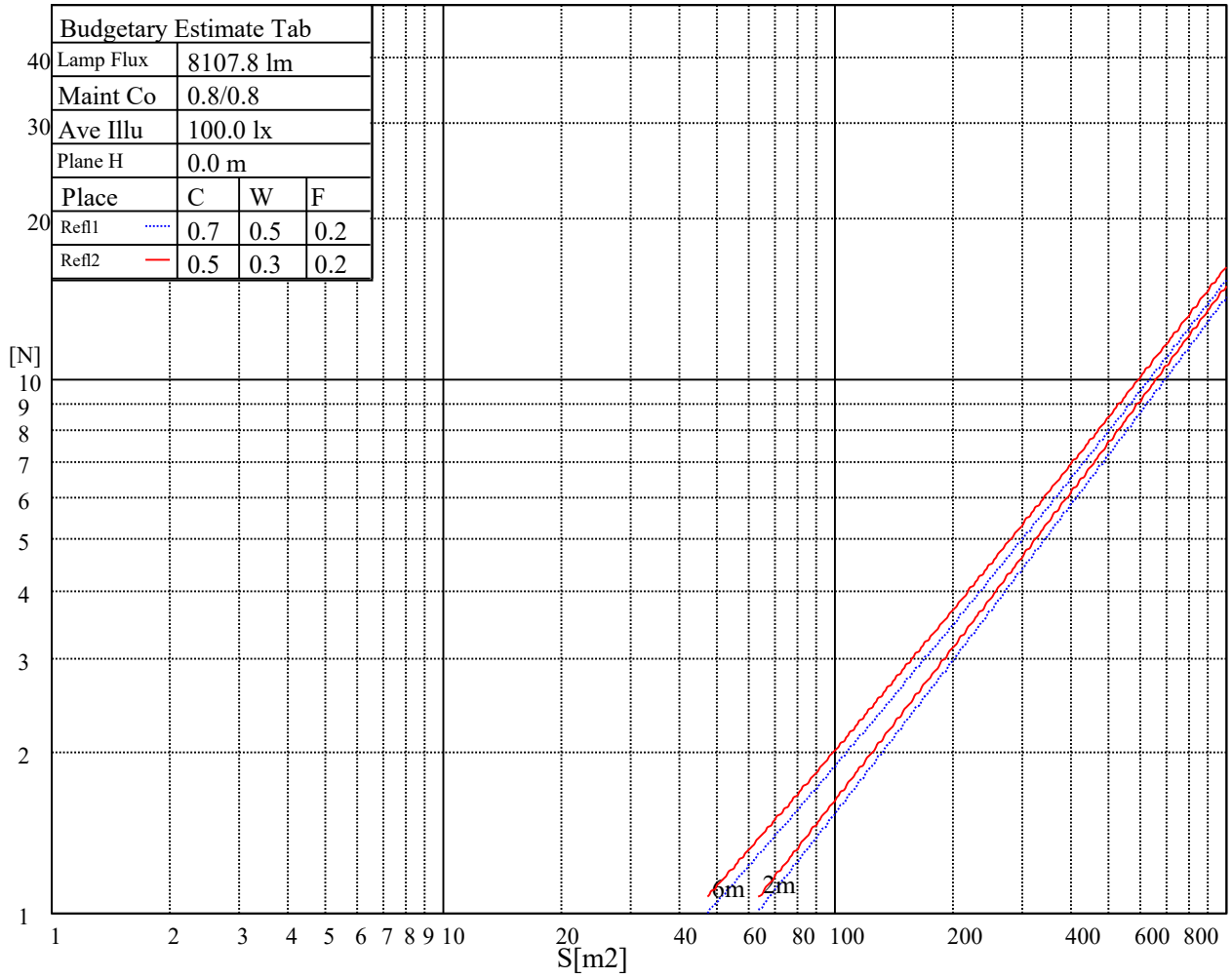
Operator: YZQ
Distance(m): 9.16

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	20.43	21.35	20.79	21.66	21.98	20.51	21.44	20.88	21.75	22.06
	3H	20.22	21.04	20.61	21.38	21.73	20.31	21.13	20.70	21.47	21.81
	4H	20.13	20.89	20.53	21.24	21.61	20.21	20.97	20.61	21.32	21.69
	6H	20.05	20.74	20.47	21.12	21.52	20.14	20.83	20.56	21.21	21.61
	8H	19.99	20.65	20.41	21.04	21.45	20.07	20.73	20.50	21.12	21.53
	12H	19.94	20.56	20.36	20.96	21.37	20.02	20.64	20.45	21.04	21.46
4H	2H	20.11	20.86	20.51	21.22	21.59	20.19	20.95	20.59	21.30	21.67
	3H	19.87	20.50	20.29	20.90	21.32	19.95	20.58	20.38	20.98	21.40
	4H	19.80	20.35	20.24	20.78	21.23	19.89	20.43	20.33	20.86	21.31
	6H	19.69	20.17	20.17	20.63	21.08	19.77	20.26	20.25	20.71	21.16
	8H	19.66	20.10	20.14	20.56	21.04	19.74	20.18	20.22	20.64	21.12
	12H	19.64	20.05	20.13	20.50	21.02	19.72	20.13	20.21	20.58	21.10
8H	4H	19.60	20.05	20.09	20.51	20.99	19.69	20.13	20.17	20.59	21.07
	6H	19.49	19.86	20.00	20.34	20.85	19.58	19.94	20.08	20.42	20.93
	8H	19.52	19.82	20.05	20.35	20.84	19.60	19.90	20.13	20.43	20.92
	12H	19.52	19.75	20.07	20.27	20.79	19.60	19.83	20.14	20.35	20.87
12H	4H	19.55	19.96	20.04	20.42	20.94	19.64	20.05	20.13	20.50	21.02
	6H	19.48	19.79	20.02	20.31	20.81	19.57	19.87	20.10	20.39	20.89
	8H	19.48	19.71	20.02	20.23	20.75	19.56	19.79	20.10	20.30	20.83
Variation with the observer position at spacings:											
S = 1.0H		5.0/-13.4					5.0/-13.4				
S = 1.5H		7.8/-11.5					7.8/-11.5				
S = 2.0H		9.7/-10.2					9.7/-10.2				
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
Temperature(°C): 25.0
Date: 2026/5/13
Humidity(%): 60.0%
Operator: YZQ
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	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	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	0.85	0.83	0.81	0.80
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	0.75	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	0.71	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	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.67
9	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
10	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	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	23087.46	23079.07	22936.43	22785.40	22567.25	22156.11	21744.98	21233.15	20620.64
45.0	22928.04	23028.73	23045.51	22986.78	22835.75	22625.98	22332.31	21854.05	21384.18
90.0	23003.56	23045.51	22970.00	22827.36	22625.98	22256.80	21862.44	21266.71	20670.98
135.0	22877.70	22986.78	23020.34	22936.43	22793.80	22592.42	22214.85	21845.66	21384.18
180.0	23087.46	22978.39	22827.36	22609.20	22223.24	21837.27	21317.06	20670.98	19706.07
225.0	22928.04	22718.28	22474.95	22055.43	21610.73	21031.78	20117.21	19269.76	16436.35
270.0	23003.56	22894.48	22735.06	22407.83	22080.60	21644.29	21090.51	20226.28	19395.62
315.0	22877.70	22718.28	22424.61	22088.99	21661.07	21132.46	20293.41	19479.52	16469.08
360.0	23087.46	23079.07	22936.43	22785.40	22567.25	22156.11	21744.98	21233.15	20620.64

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	19672.51	18162.21	16552.14	16552.14	15216.36	13396.45	11925.59	10459.76	8730.46
45.0	20805.23	20108.82	19076.78	18120.25	17037.87	15468.84	14084.39	12624.44	10795.29
90.0	19966.18	18917.36	16468.24	16468.24	15486.54	14094.55	12287.22	10835.65	9415.97
135.0	20645.81	19915.83	19076.78	17818.19	16660.30	15359.76	13941.75	12087.44	10619.09
180.0	18783.11	17675.55	16433.75	14696.90	13245.34	11751.82	9939.46	8588.58	7111.84
225.0	16436.35	15400.12	13992.18	12515.44	11030.31	9249.84	7967.76	6820.77	5839.91
270.0	18430.70	16987.53	15653.43	14235.42	12347.55	10854.03	9419.24	7841.82	6717.48
315.0	16469.08	15805.38	14394.93	12932.45	11084.85	9664.33	8040.76	6887.89	5871.80
360.0	19672.51	18162.21	16552.14	16552.14	15216.36	13396.45	11925.59	10459.76	8730.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	7518.86	6192.32	5316.34	4622.44	4002.38	3666.76	3428.47	3251.43	3077.74
45.0	9377.29	8093.53	6692.31	5735.79	4955.46	4368.13	4242.27	3842.12	3395.74
90.0	8144.80	6749.45	5807.19	5017.64	4270.88	3855.55	3497.27	3298.41	3146.54
135.0	9209.48	7950.89	6591.62	5677.05	4905.12	4301.00	4301.00	3503.98	3244.71
180.0	6071.41	5223.96	4552.72	4275.83	4275.83	3394.90	3222.06	3050.89	2942.65
225.0	4863.25	4299.41	3814.43	3552.65	3358.83	3174.23	3060.12	2958.60	2873.85
270.0	5744.18	4963.86	4242.27	4242.27	3822.82	3369.73	3172.55	3049.21	2943.49
315.0	5035.26	4273.40	3857.22	3561.88	3351.27	3154.10	3029.92	2925.87	2819.31
360.0	7518.86	6192.32	5316.34	4622.44	4002.38	3666.76	3428.47	3251.43	3077.74

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2962.79	2867.98	2784.91	2687.58	2619.62	2533.19	2368.74	2208.48	1892.99
45.0	3238.84	3076.06	2970.34	2883.08	2777.36	2706.04	2605.35	2491.24	2340.21
90.0	2995.51	2893.99	2808.40	2725.34	2635.56	2556.69	2435.02	2284.83	2070.87
135.0	3091.17	2940.14	2845.32	2763.10	2684.22	2602.00	2513.90	2387.20	2237.01
180.0	2848.68	2773.16	2675.83	2602.84	2502.15	2342.73	2190.02	1958.44	1768.81
225.0	2770.65	2697.65	2612.90	2492.08	2307.49	2142.19	1628.94	1628.94	1528.26
270.0	2831.90	2752.19	2674.16	2574.31	2462.71	2279.80	2124.57	1950.05	1752.87
315.0	2737.08	2647.31	2572.63	2455.16	2273.09	2110.31	1665.11	1665.11	1526.75
360.0	2962.79	2867.98	2784.91	2687.58	2619.62	2533.19	2368.74	2208.48	1892.99

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1650.84	1604.19	1412.47	1163.44	970.96	782.76	600.34	396.20	258.51
45.0	2172.40	1941.66	1738.61	1529.68	1283.84	1067.36	879.41	689.79	511.07
90.0	1647.32	1647.32	1500.65	1248.93	1052.01	815.23	635.58	469.12	286.96
135.0	2028.08	1849.36	1652.19	1448.29	1204.97	1014.50	785.44	611.76	449.82
180.0	1588.42	1326.63	1136.17	947.38	758.59	531.21	443.94	443.94	110.92
225.0	1324.70	1069.29	868.42	679.13	459.89	309.11	183.50	95.74	55.63
270.0	1566.60	1314.88	1110.15	918.85	725.87	496.81	454.01	454.01	78.20
315.0	1337.96	1141.87	946.37	706.90	526.93	367.00	199.44	100.94	48.41
360.0	1650.84	1604.19	1412.47	1163.44	970.96	782.76	600.34	396.20	258.51

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	147.09	69.47	42.12	35.83	30.37	24.75	22.82	21.56	20.72
45.0	437.23	437.23	107.90	57.64	48.83	39.94	33.81	30.63	28.28
90.0	164.37	78.87	45.98	37.34	31.80	26.51	23.58	21.90	20.98
135.0	449.82	139.70	63.60	41.95	34.07	29.20	24.75	22.57	21.23
180.0	51.94	37.67	32.47	27.86	23.07	21.48	20.47	19.80	19.30
225.0	47.74	41.11	35.07	29.95	27.86	26.35	24.67	23.58	22.49
270.0	46.74	39.18	31.88	26.60	22.91	21.73	20.89	20.22	19.55
315.0	36.67	31.13	26.43	22.65	21.48	20.72	19.97	19.30	18.79
360.0	147.09	69.47	42.12	35.83	30.37	24.75	22.82	21.56	20.72

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.97	19.21	18.63	18.21	17.87	17.54	17.28	17.12	16.95
45.0	26.68	25.17	24.08	22.74	21.73	20.98	20.22	19.55	19.05
90.0	20.22	19.38	18.88	18.29	17.87	17.54	17.28	17.12	16.95
135.0	20.39	19.72	19.13	18.46	18.04	17.62	17.37	17.12	16.87
180.0	18.63	18.21	17.87	17.62	17.28	17.12	16.95	16.78	16.70
225.0	21.40	20.64	19.89	19.38	18.88	18.54	18.04	17.79	17.54
270.0	18.96	18.46	18.12	17.79	17.54	17.28	17.03	16.95	16.78
315.0	18.29	17.96	17.54	17.37	17.12	16.87	16.78	16.61	16.45
360.0	19.97	19.21	18.63	18.21	17.87	17.54	17.28	17.12	16.95

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.78	16.61	16.53	16.36	16.28	16.11	16.03	15.94	15.86
45.0	18.71	18.21	17.96	17.62	17.37	17.12	16.87	16.61	16.45
90.0	16.78	16.61	16.53	16.45	16.36	16.19	16.03	15.86	15.77
135.0	16.70	16.61	16.53	16.36	16.28	16.19	16.11	15.94	15.94
180.0	16.53	16.45	16.36	16.19	16.11	15.94	15.86	15.86	15.69
225.0	17.28	17.12	16.78	16.61	16.36	16.19	16.11	15.94	15.86
270.0	16.61	16.53	16.45	16.28	16.11	16.03	15.94	15.86	15.77
315.0	16.36	16.28	16.11	16.03	15.94	15.77	15.77	15.69	15.61
360.0	16.78	16.61	16.53	16.36	16.28	16.11	16.03	15.94	15.86

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.77	15.77	15.69	15.61	15.52	15.52	15.52	15.44	15.44
45.0	16.28	16.19	16.03	15.94	15.86	15.77	15.69	15.61	15.52
90.0	15.77	15.69	15.61	15.61	15.52	15.44	15.44	15.35	15.35
135.0	15.86	15.69	15.69	15.61	15.52	15.52	15.44	15.44	15.44
180.0	15.69	15.61	15.52	15.52	15.44	15.44	15.44	15.35	15.35
225.0	15.77	15.69	15.61	15.61	15.52	15.52	15.44	15.44	15.35
270.0	15.69	15.69	15.61	15.52	15.52	15.44	15.44	15.44	15.35
315.0	15.61	15.52	15.52	15.52	15.44	15.52	15.52	15.52	15.52
360.0	15.77	15.77	15.69	15.61	15.52	15.52	15.52	15.44	15.44

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.44	15.35	15.35	15.35	15.27	15.27	15.19	15.19	15.10
45.0	15.52	15.52	15.44	15.35	15.35	15.27	15.27	15.27	15.19
90.0	15.35	15.27	15.27	15.27	15.19	15.19	15.19	15.10	15.10
135.0	15.35	15.35	15.35	15.27	15.27	15.19	15.19	15.19	15.10
180.0	15.35	15.27	15.27	15.27	15.19	15.19	15.19	15.10	15.02
225.0	15.35	15.35	15.27	15.19	15.19	15.19	15.02	15.02	15.02
270.0	15.35	15.35	15.27	15.27	15.19	15.19	15.10	15.02	15.02
315.0	15.44	15.44	15.35	15.19	15.19	15.10	15.02	15.02	15.02
360.0	15.44	15.35	15.35	15.35	15.27	15.27	15.19	15.19	15.10

Intensity data(cd)

C/γ(°)	90.0
0.0	15.27
45.0	15.10
90.0	15.10
135.0	15.02
180.0	15.10
225.0	15.02
270.0	15.02
315.0	15.02
360.0	15.27