



NATA LIGHTING CO.,LTD.  
www.nata.cn  
Email:info@nata.com  
Tel:+86-750-3770000 Fax:+86-750-3771111  
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

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## NATA

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LumCAT: 2-2641-L  
Luminaire: 92.70.411.00  
LampCAT: NICHIA NFCWJ108B-V3  
Ballast type: AC  
Report No: 20231016-B013  
Test No: 20231016-C013  
Number of Lamps: 1  
Lamp flux(lm): 2574.8  
Length(mm): 0  
Phm Type: C

Voltage(V): 34.2900  
Current(A): 0.5760  
Power (W): 19.7510  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

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## Photometric Results

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Lumens(lm): 2370.78, Efficiency(%): 92.08% , Luminous Efficacy(lm/W): 120.03  
Central intensity(cd): 5186.079, Maximum intensity(cd): 5186.079  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=37.0  
[C90/270]Total=37.0  
Field angle(10%Imax): [C0/180]Total=65.6  
[C90/270]Total=65.6  
Maximum s/h(1/2): C0\_180=0.60 C90\_270=0.60  
Maximum s/h(1/4): C0\_180=0.61 C90\_270=0.61  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 92.08%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.867%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5186.079	0.000	0	0.00%	0.00%
1.0	5179.160	4.960	4.96	0.19%	0.21%
2.0	5143.595	14.816	19.776	0.58%	0.83%
3.0	5092.739	24.482	44.258	0.95%	1.87%
4.0	5017.873	33.843	78.101	1.31%	3.29%
5.0	4926.401	42.780	120.881	1.66%	5.10%
6.0	4819.223	51.216	172.097	1.99%	7.26%
7.0	4699.105	59.080	231.177	2.29%	9.75%
8.0	4550.758	66.200	297.376	2.57%	12.54%
9.0	4390.717	72.466	369.842	2.81%	15.60%
10.0	4225.071	77.970	447.812	3.03%	18.89%
11.0	4048.216	82.667	530.479	3.21%	22.38%
12.0	3863.543	86.487	616.966	3.36%	26.02%
13.0	3667.384	89.373	706.339	3.47%	29.79%
14.0	3482.849	91.522	797.861	3.55%	33.65%
15.0	3290.841	92.992	890.854	3.61%	37.58%
16.0	3093.713	93.552	984.405	3.63%	41.52%
17.0	2885.860	93.118	1077.523	3.62%	45.45%
18.0	2689.285	91.922	1169.445	3.57%	49.33%
19.0	2489.528	90.101	1259.546	3.50%	53.13%
20.0	2291.639	87.509	1347.055	3.40%	56.82%
21.0	2088.145	84.101	1431.155	3.27%	60.37%
22.0	1915.788	80.461	1511.616	3.12%	63.76%
23.0	1742.324	76.757	1588.373	2.98%	67.00%
24.0	1592.523	72.912	1661.285	2.83%	70.07%
25.0	1401.761	68.083	1729.368	2.64%	72.95%
26.0	1264.664	62.941	1792.31	2.44%	75.60%
27.0	1151.023	59.100	1851.41	2.30%	78.09%
28.0	1046.861	55.646	1907.056	2.16%	80.44%
29.0	923.457	51.549	1958.605	2.00%	82.61%
30.0	797.057	46.454	2005.058	1.80%	84.57%
31.0	694.888	41.519	2046.577	1.61%	86.33%
32.0	593.723	36.917	2083.494	1.43%	87.88%
33.0	499.179	32.197	2115.691	1.25%	89.24%
34.0	410.516	27.530	2143.221	1.07%	90.40%
35.0	338.003	23.246	2166.468	0.90%	91.38%
36.0	274.838	19.513	2185.981	0.76%	92.21%
37.0	234.194	16.602	2202.582	0.64%	92.91%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	181.795	13.885	2216.468	0.54%	93.49%
39.0	135.028	10.814	2227.282	0.42%	93.95%
40.0	108.970	8.510	2235.791	0.33%	94.31%
41.0	95.457	7.280	2243.071	0.28%	94.61%
42.0	86.421	6.608	2249.679	0.26%	94.89%
43.0	78.422	6.106	2255.785	0.24%	95.15%
44.0	72.368	5.691	2261.476	0.22%	95.39%
45.0	66.563	5.339	2266.816	0.21%	95.61%
46.0	61.546	5.010	2271.826	0.19%	95.83%
47.0	57.035	4.716	2276.542	0.18%	96.03%
48.0	52.946	4.446	2280.988	0.17%	96.21%
49.0	49.472	4.206	2285.194	0.16%	96.39%
50.0	46.089	3.984	2289.178	0.15%	96.56%
51.0	43.134	3.775	2292.953	0.15%	96.72%
52.0	40.422	3.585	2296.538	0.14%	96.87%
53.0	38.215	3.421	2299.959	0.13%	97.01%
54.0	35.869	3.265	2303.224	0.13%	97.15%
55.0	33.987	3.118	2306.343	0.12%	97.28%
56.0	32.202	2.991	2309.334	0.12%	97.41%
57.0	30.590	2.871	2312.205	0.11%	97.53%
58.0	29.199	2.765	2314.969	0.11%	97.65%
59.0	27.829	2.666	2317.636	0.10%	97.76%
60.0	26.674	2.575	2320.21	0.10%	97.87%
61.0	25.656	2.497	2322.708	0.10%	97.97%
62.0	24.625	2.423	2325.131	0.09%	98.07%
63.0	23.622	2.347	2327.477	0.09%	98.17%
64.0	22.771	2.276	2329.754	0.09%	98.27%
65.0	21.989	2.215	2331.969	0.09%	98.36%
66.0	21.214	2.156	2334.124	0.08%	98.45%
67.0	20.432	2.094	2336.219	0.08%	98.54%
68.0	19.754	2.036	2338.254	0.08%	98.63%
69.0	19.090	1.982	2340.236	0.08%	98.71%
70.0	18.460	1.929	2342.164	0.07%	98.79%
71.0	17.831	1.876	2344.04	0.07%	98.87%
72.0	17.236	1.823	2345.863	0.07%	98.95%
73.0	16.648	1.772	2347.635	0.07%	99.02%
74.0	16.053	1.719	2349.354	0.07%	99.10%
75.0	15.534	1.669	2351.023	0.06%	99.17%

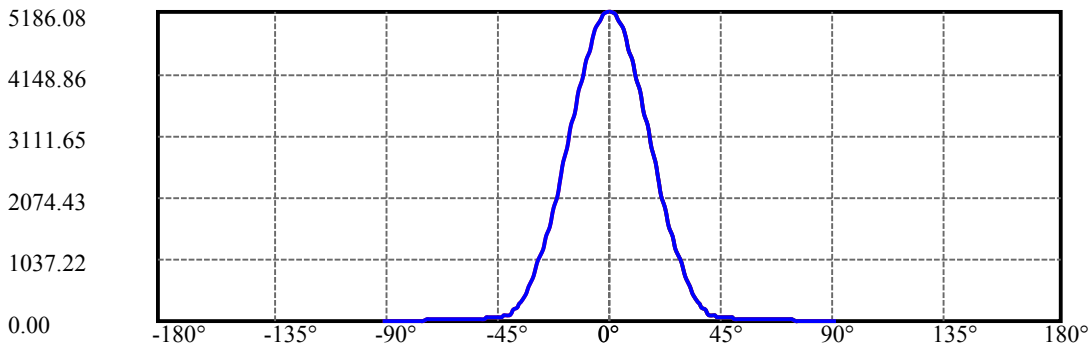
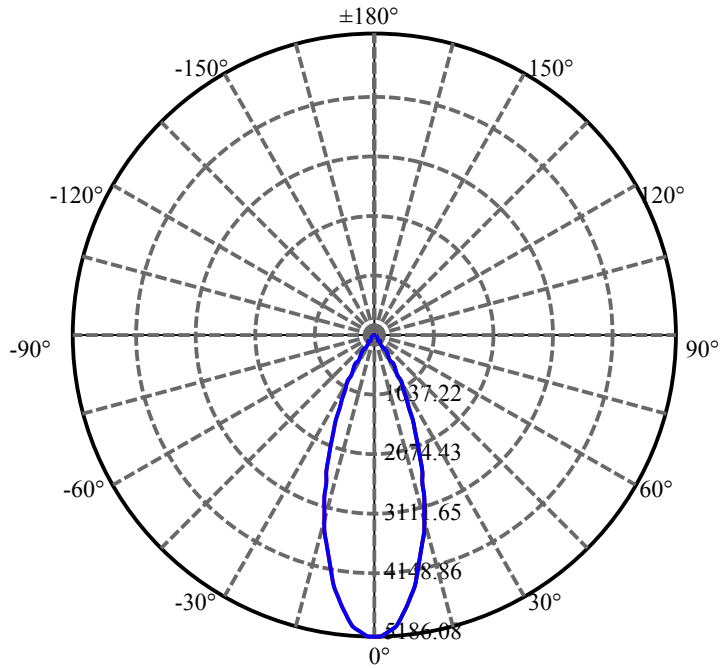
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.966	1.619	2352.642	0.06%	99.24%
77.0	14.454	1.569	2354.211	0.06%	99.30%
78.0	13.963	1.521	2355.732	0.06%	99.37%
79.0	13.506	1.476	2357.208	0.06%	99.43%
80.0	13.001	1.429	2358.637	0.06%	99.49%
81.0	12.538	1.381	2360.018	0.05%	99.55%
82.0	12.095	1.336	2361.354	0.05%	99.60%
83.0	11.673	1.292	2362.646	0.05%	99.66%
84.0	11.313	1.252	2363.898	0.05%	99.71%
85.0	11.008	1.218	2365.117	0.05%	99.76%
86.0	10.711	1.187	2366.304	0.05%	99.81%
87.0	10.455	1.158	2367.462	0.04%	99.86%
88.0	10.157	1.129	2368.591	0.04%	99.91%
89.0	9.950	1.102	2369.693	0.04%	99.95%
90.0	9.832	1.085	2370.778	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2005.06	77.87%	84.57%
0-40	2235.79	86.83%	94.31%
0-60	2320.21	90.11%	97.87%
0-90	2369.69	92.03%	99.95%
0-120	2369.69	92.03%	99.95%
0-180	2370.78	92.08%	100.00%
60-90	49.48	1.92%	2.09%
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%
0-27.81	1896.62	73.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	447.81
10-20	899.24
20-30	658.00
30-40	230.73
40-50	53.39
50-60	31.03
60-70	21.95
70-80	16.47
80-90	11.06
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



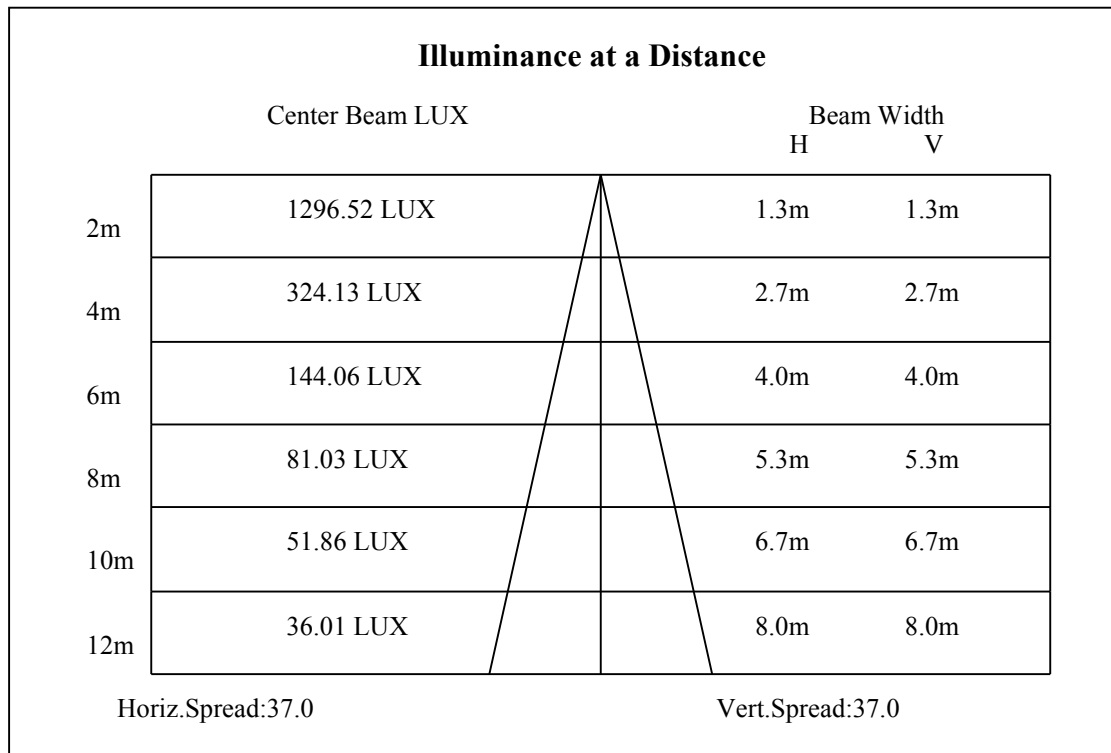
C0(Max): —————

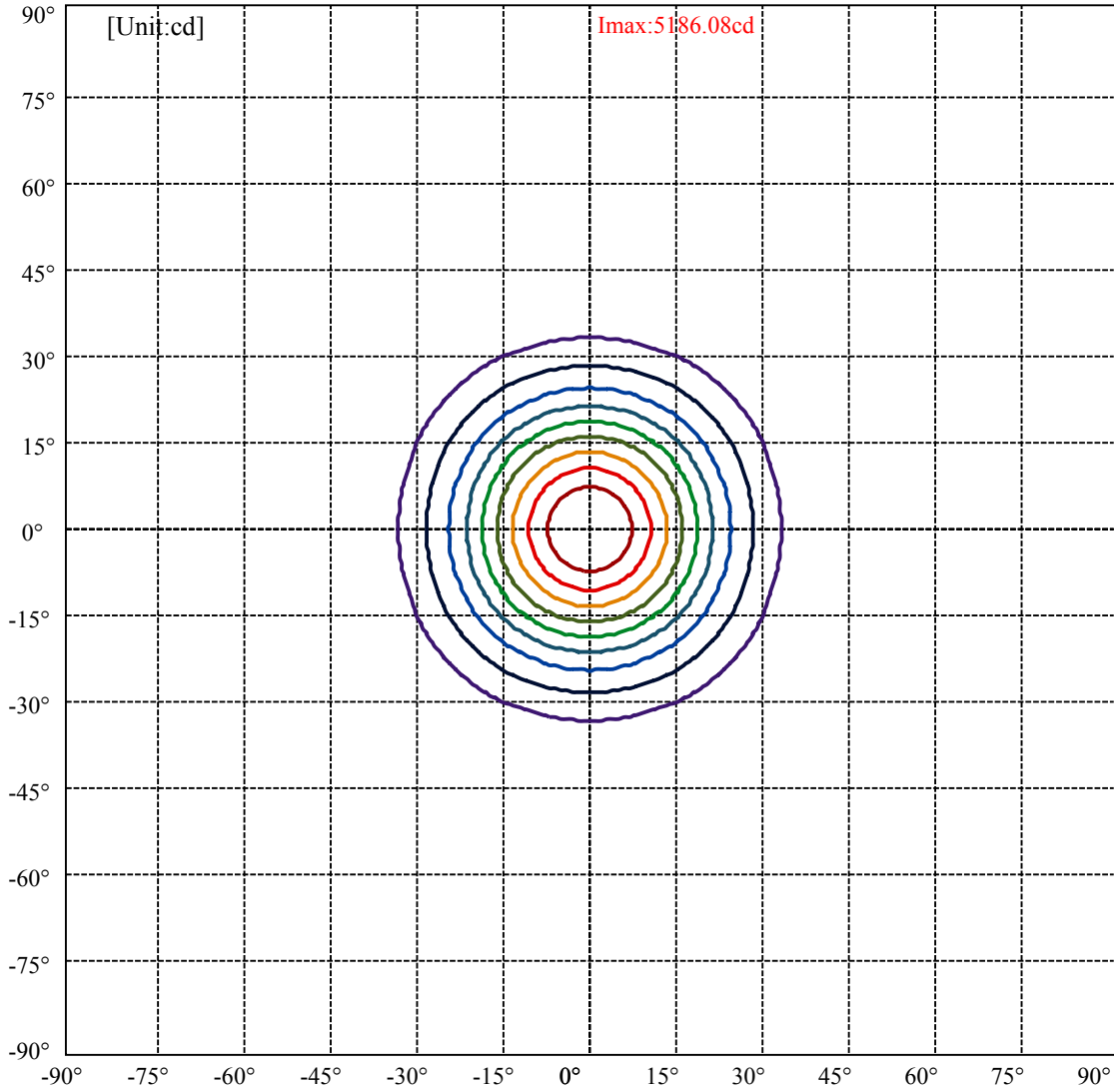
C0/C180: —————

C90/C270: —————

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

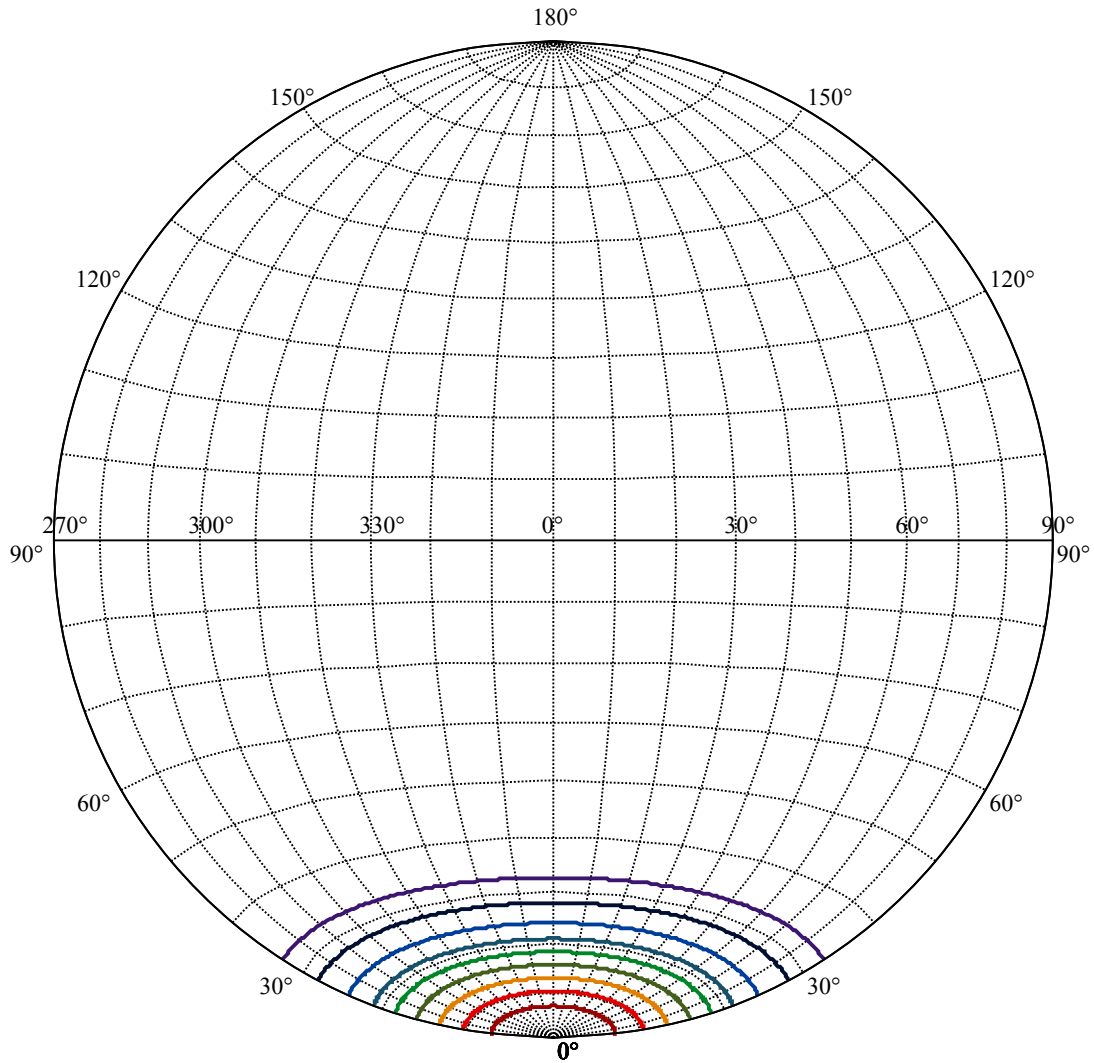
Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5  
:C90/270Left:18.5 Right:18.5





(10%Imax) 518.608	—
(20%Imax) 1037.22	—
(30%Imax) 1555.82	—
(40%Imax) 2074.43	—
(50%Imax) 2593.04	—
(60%Imax) 3111.65	—
(70%Imax) 3630.26	—
(80%Imax) 4148.86	—
(90%Imax) 4667.47	—





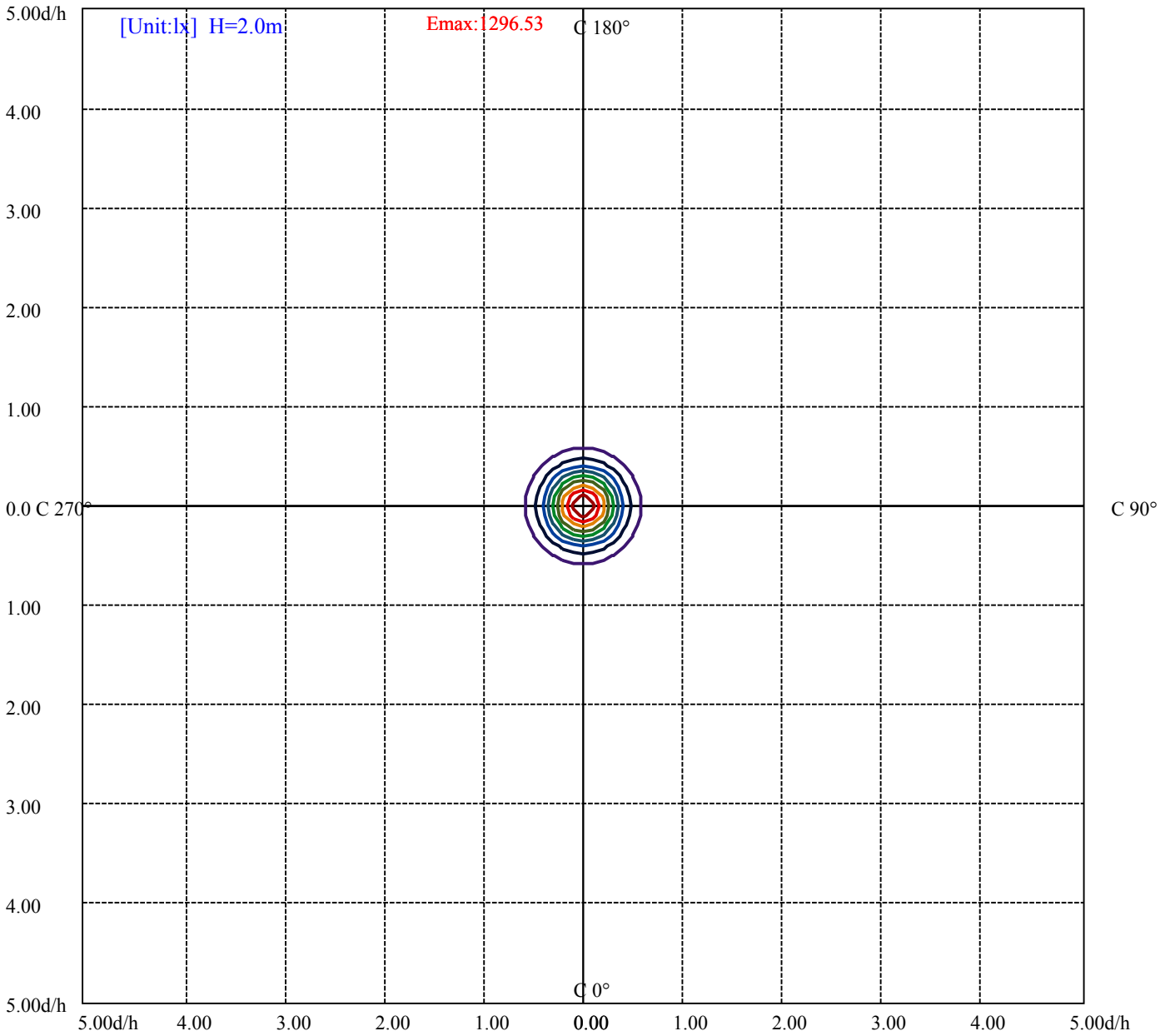
House

[Unit:cd]

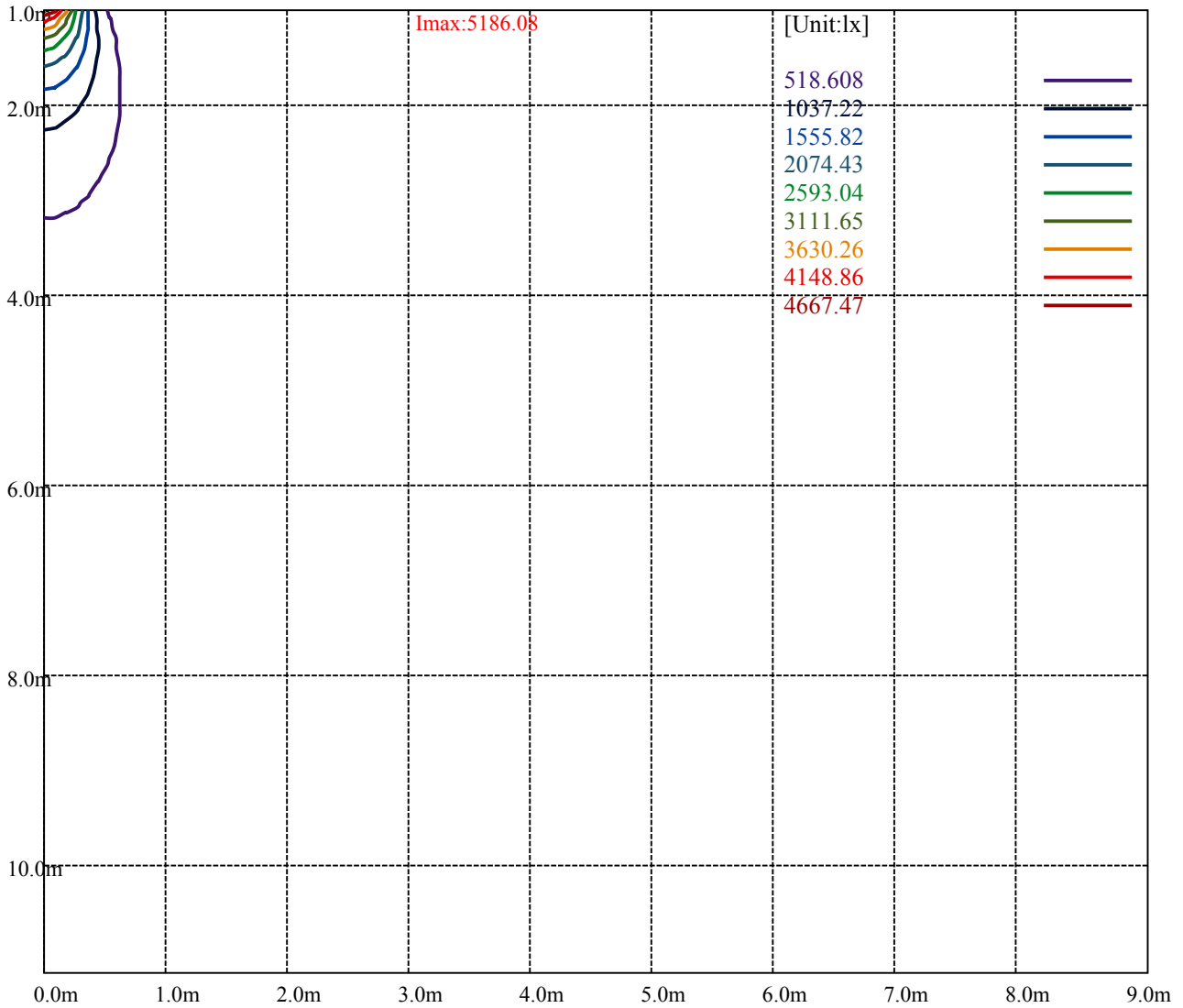
Road

**Imax:5186.08**

(10%Imax)	518.608	—
(20%Imax)	1037.22	—
(30%Imax)	1555.82	—
(40%Imax)	2074.43	—
(50%Imax)	2593.04	—
(60%Imax)	3111.65	—
(70%Imax)	3630.26	—
(80%Imax)	4148.86	—
(90%Imax)	4667.47	—



- (10%Emax) 129.652
- (20%Emax) 259.305
- (30%Emax) 388.955
- (40%Emax) 518.6075
- (50%Emax) 648.26
- (60%Emax) 777.9125
- (70%Emax) 907.5625
- (80%Emax) 1037.215
- (90%Emax) 1166.868



Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

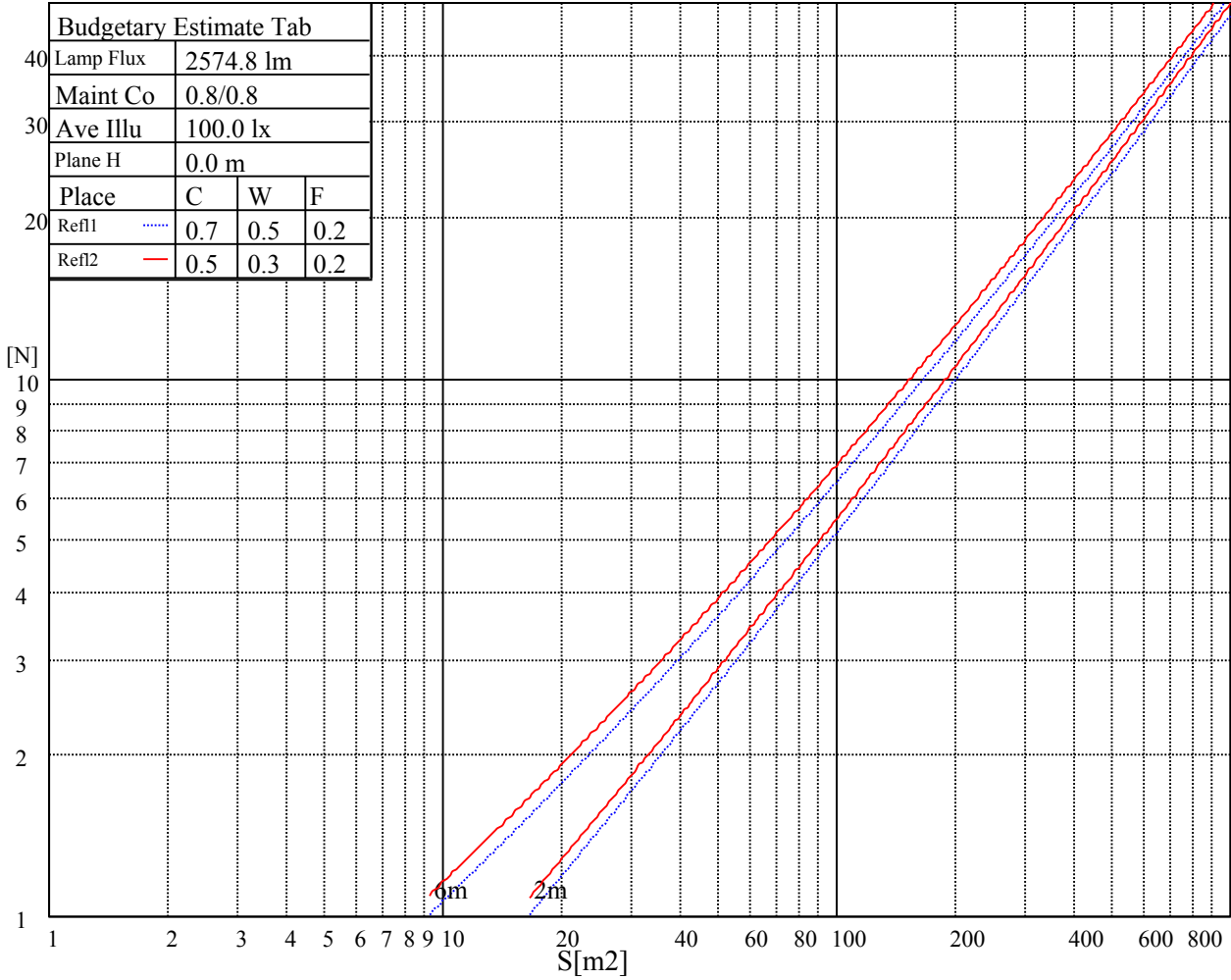
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

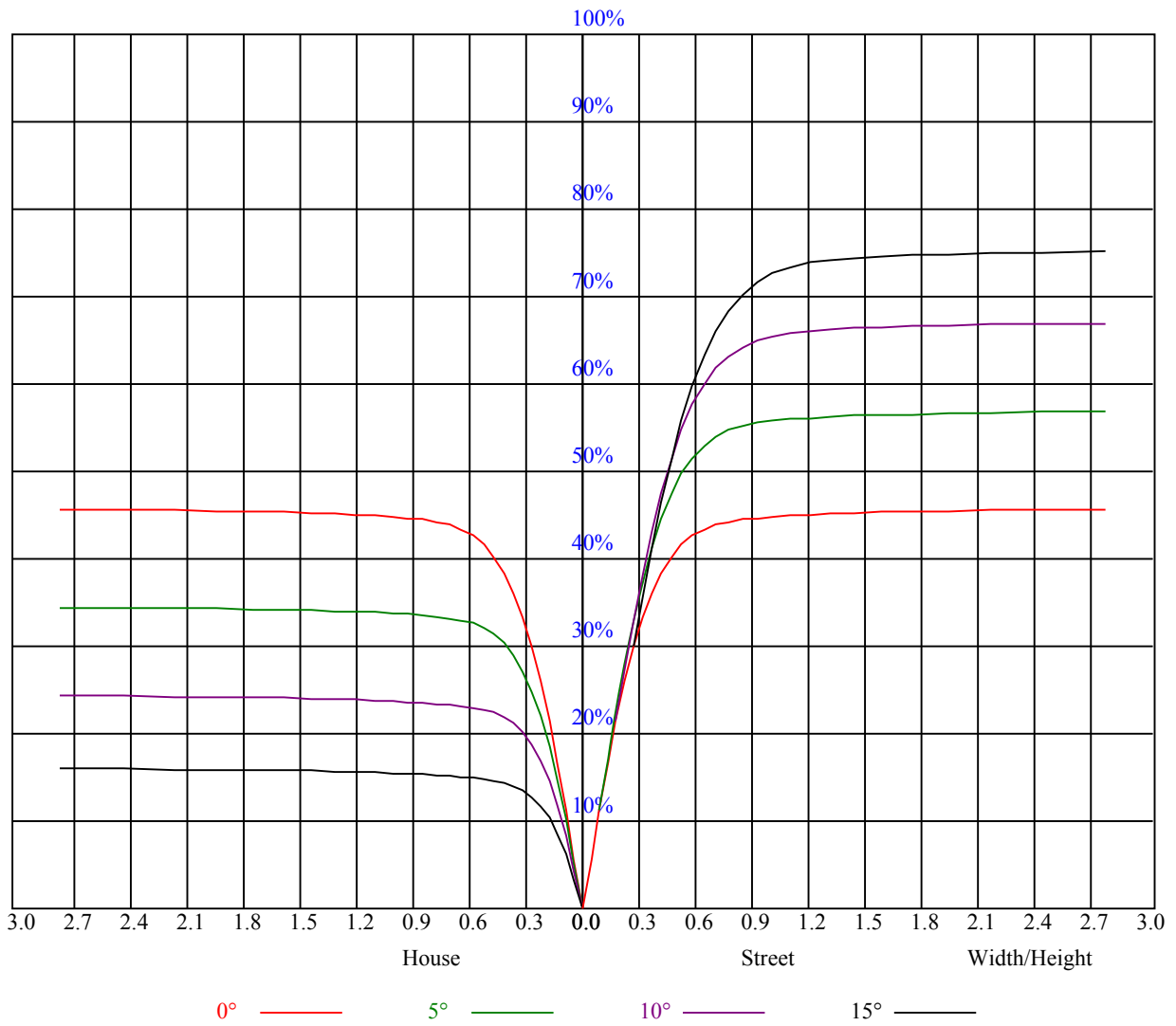


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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



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	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.73
5	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
6	0.77	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.66
7	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
8	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
10	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.55





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	5173.35	5132.94	5072.60	5003.41	4882.74	4779.78	4664.65	4526.26	4331.42
45.0	5195.49	5184.97	5137.92	5085.34	5012.27	4927.58	4801.37	4684.02	4524.60
90.0	5178.88	5152.31	5079.25	5010.61	4928.68	4802.48	4680.70	4553.94	4404.49
135.0	5196.60	5192.72	5168.92	5119.10	5050.46	4946.40	4857.83	4747.68	4593.24
180.0	5173.35	5197.70	5199.36	5177.22	5123.53	5067.07	4991.79	4876.65	4767.61
225.0	5195.49	5195.49	5166.15	5101.39	5034.41	4955.25	4852.30	4711.14	4574.98
270.0	5178.88	5201.02	5185.53	5151.76	5087.55	5020.57	4925.92	4834.03	4687.90
315.0	5196.60	5176.12	5139.03	5093.08	5023.34	4912.08	4779.23	4659.11	4521.84
360.0	5173.35	5132.94	5072.60	5003.41	4882.74	4779.78	4664.65	4526.26	4331.42

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4170.34	3995.42	3774.01	3586.91	3365.50	3182.83	2994.63	2797.57	2561.21
45.0	4371.83	4224.03	4011.48	3847.63	3666.07	3482.29	3261.43	3069.36	2871.74
90.0	4209.09	4047.46	3876.41	3700.39	3526.02	3306.27	3120.84	2875.07	2689.63
135.0	4451.54	4262.23	4100.59	3927.34	3705.37	3525.47	3346.13	3159.58	2929.31
180.0	4616.49	4468.70	4316.47	4152.07	3940.07	3758.51	3574.18	3397.60	3176.19
225.0	4397.84	4236.76	4068.49	3859.25	3686.00	3512.74	3336.16	3114.19	2928.76
270.0	4548.41	4407.81	4247.84	4029.74	3861.47	3683.78	3462.92	3282.47	3107.55
315.0	4360.20	4158.16	3990.44	3805.01	3588.57	3410.89	3230.44	3053.86	2822.48
360.0	4170.34	3995.42	3774.01	3586.91	3365.50	3182.83	2994.63	2797.57	2561.21

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2375.78	2189.23	2006.57	1803.97	1657.29	1521.67	1363.91	1089.75	1089.75
45.0	2681.88	2443.86	2260.64	2080.19	1913.02	1722.60	1581.45	1416.50	1289.74
90.0	2503.09	2268.94	2090.71	1921.88	1732.01	1595.84	1464.10	1103.36	1103.36
135.0	2742.77	2555.68	2371.90	2147.72	1979.44	1821.69	1676.11	1508.39	1382.73
180.0	2980.79	2795.36	2608.26	2359.72	2166.54	1952.88	1792.90	1653.97	1491.78
225.0	2739.45	2542.94	2304.37	2122.26	1947.89	1752.49	1613.00	1451.37	1228.85
270.0	2861.78	2680.22	2438.33	2240.16	2064.14	1891.43	1701.57	1568.17	1444.73
315.0	2628.74	2439.99	2252.34	2029.26	1865.97	1679.98	1547.13	1422.59	1086.37
360.0	2375.78	2189.23	2006.57	1803.97	1657.29	1521.67	1363.91	1089.75	1089.75

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	965.81	853.39	748.55	630.31	540.75	458.66	382.71	297.75	236.03
45.0	1128.11	1001.35	884.00	777.16	676.97	560.73	476.59	399.10	329.91
90.0	1037.38	913.33	797.92	673.43	578.94	493.09	398.71	330.41	252.52
135.0	1221.65	1091.02	964.81	821.45	715.72	616.64	505.93	425.12	351.50
180.0	1372.22	1252.65	1128.66	974.78	861.30	750.59	649.30	533.61	450.02
225.0	1074.80	1042.86	922.19	811.59	708.91	611.49	501.84	421.74	351.88
270.0	1321.84	1196.74	1036.77	915.00	804.29	680.85	587.86	483.24	407.96
315.0	1086.37	1023.54	904.75	772.74	672.21	577.73	490.49	393.18	324.21
360.0	965.81	853.39	748.55	630.31	540.75	458.66	382.71	297.75	236.03

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	183.17	143.75	113.86	101.80	92.27	82.48	75.67	68.69	63.71
45.0	282.86	282.86	150.78	116.30	102.57	93.27	83.58	76.78	71.07
90.0	198.33	155.32	124.16	104.78	95.26	87.02	80.10	72.35	67.25
135.0	286.18	286.18	163.24	132.13	113.47	100.47	91.50	84.08	77.38
180.0	373.64	288.95	288.95	215.05	137.28	110.93	99.64	88.40	81.15
225.0	273.72	218.81	171.71	136.23	109.43	99.03	87.79	80.59	74.23
270.0	339.32	291.71	291.71	153.83	121.17	99.75	90.45	82.14	75.45
315.0	261.49	205.97	149.95	120.12	100.30	90.72	82.64	74.34	68.69
360.0	183.17	143.75	113.86	101.80	92.27	82.48	75.67	68.69	63.71

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	59.28	54.25	50.70	47.44	44.50	41.24	38.86	36.75	34.87
45.0	64.87	60.50	56.46	51.92	48.49	45.45	42.62	39.58	37.53
90.0	62.27	58.07	53.53	49.98	46.11	43.29	40.74	37.92	35.87
135.0	70.30	65.26	59.62	55.46	51.70	47.27	44.23	41.63	39.25
180.0	74.78	69.36	63.32	59.12	55.35	51.87	47.83	44.95	42.29
225.0	68.86	62.99	58.90	54.08	50.81	47.55	44.84	41.63	39.41
270.0	68.36	63.66	59.34	54.63	51.15	47.99	44.45	41.85	39.52
315.0	63.77	58.29	54.41	50.93	47.66	44.06	41.52	39.08	36.98
360.0	59.28	54.25	50.70	47.44	44.50	41.24	38.86	36.75	34.87
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.71	31.16	29.78	28.23	27.12	26.02	24.85	23.97	23.14
45.0	35.65	33.82	31.77	30.39	28.78	27.62	26.57	25.57	24.41
90.0	34.10	31.99	30.61	29.23	28.01	26.63	25.63	24.69	23.86
135.0	36.42	34.49	32.77	30.89	29.56	28.23	26.74	25.68	24.69
180.0	39.41	37.25	35.32	33.10	31.55	29.84	28.56	27.46	26.35
225.0	37.25	35.37	33.21	31.72	30.33	28.73	27.62	26.51	25.24
270.0	36.87	34.98	33.27	31.66	30.00	28.73	27.57	26.51	25.30
315.0	34.54	32.82	30.89	29.50	28.23	26.85	25.85	24.85	24.02
360.0	32.71	31.16	29.78	28.23	27.12	26.02	24.85	23.97	23.14
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.20	21.42	20.81	20.09	19.26	18.65	18.10	17.55	16.88
45.0	23.53	22.75	21.81	21.15	20.43	19.76	18.99	18.38	17.82
90.0	22.81	22.03	21.31	20.43	19.76	18.93	18.32	17.77	17.21
135.0	23.64	22.75	21.98	21.09	20.37	19.71	19.04	18.32	17.71
180.0	25.08	24.19	23.36	22.53	21.59	20.87	20.20	19.54	18.76
225.0	24.36	23.47	22.53	21.75	21.09	20.37	19.54	18.93	18.32
270.0	24.41	23.36	22.58	21.86	20.98	20.31	19.71	19.10	18.38
315.0	22.97	22.20	21.53	20.81	19.98	19.43	18.82	18.10	17.55
360.0	22.20	21.42	20.81	20.09	19.26	18.65	18.10	17.55	16.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.33	15.83	15.22	14.72	14.17	13.73	13.28	12.84	12.34
45.0	17.10	16.61	15.89	15.39	14.95	14.34	13.89	13.45	13.01
90.0	16.55	16.00	15.50	15.00	14.45	13.95	13.51	13.06	12.57
135.0	17.16	16.66	16.00	15.50	15.06	14.45	13.95	13.56	13.01
180.0	18.21	17.44	16.94	16.38	15.67	15.17	14.67	14.17	13.56
225.0	17.71	17.05	16.44	15.89	15.28	14.72	14.23	13.67	13.23
270.0	17.82	17.27	16.61	16.05	15.50	15.06	14.39	13.95	13.51
315.0	16.99	16.33	15.83	15.33	14.67	14.23	13.78	13.34	12.79
360.0	16.33	15.83	15.22	14.72	14.17	13.73	13.28	12.84	12.34
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.96	11.57	11.29	10.96	10.68	10.46	10.13	9.85	9.85
45.0	12.51	12.07	11.62	11.29	10.96	10.68	10.41	10.07	9.85
90.0	12.12	11.68	11.35	11.02	10.74	10.46	10.24	9.91	9.80
135.0	12.57	12.12	11.62	11.29	11.02	10.68	10.52	10.19	9.85
180.0	13.12	12.62	12.18	11.73	11.35	11.02	10.74	10.46	10.24
225.0	12.68	12.23	11.85	11.46	11.13	10.85	10.57	10.30	10.02
270.0	12.95	12.51	11.96	11.57	11.24	10.90	10.63	10.35	10.13
315.0	12.40	11.96	11.51	11.18	10.96	10.63	10.41	10.13	9.85
360.0	11.96	11.57	11.29	10.96	10.68	10.46	10.13	9.85	9.85

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>9.85</b>
<b>45.0</b>	<b>9.85</b>
<b>90.0</b>	<b>9.80</b>
<b>135.0</b>	<b>9.80</b>
<b>180.0</b>	<b>9.91</b>
<b>225.0</b>	<b>9.85</b>
<b>270.0</b>	<b>9.80</b>
<b>315.0</b>	<b>9.80</b>
<b>360.0</b>	<b>9.85</b>