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## NATA

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LumCAT: 2-2642-L  
Luminaire: 92.70.411.00  
LampCAT: NICHIA NFCWJ108B-V3  
Ballast type: AC  
Report No: 20231016-B018  
Test No: 20231016-C018  
Number of Lamps: 1  
Lamp flux(lm): 2574.8  
Length(mm): 0  
Phm Type: C

Voltage(V): 34.3900  
Current(A): 0.5760  
Power (W): 19.8080  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

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## Photometric Results

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Lumens(lm): 2401.55, Efficiency(%): 93.27% , Luminous Efficacy(lm/W): 121.24  
Central intensity(cd): 3725.297, Maximum intensity(cd): 3725.297  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=48.6  
[C90/270]Total=48.6  
Field angle(10%Imax): [C0/180]Total=72.0  
[C90/270]Total=72.0  
Maximum s/h(1/2): C0\_180=0.76 C90\_270=0.76  
Maximum s/h(1/4): C0\_180=0.75 C90\_270=0.75  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 93.27%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.833%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3725.297	0.000	0	0.00%	0.00%
1.0	3721.077	3.563	3.563	0.14%	0.15%
2.0	3716.717	10.675	14.238	0.41%	0.59%
3.0	3704.955	17.750	31.989	0.69%	1.33%
4.0	3683.990	24.733	56.722	0.96%	2.36%
5.0	3655.621	31.575	88.296	1.23%	3.68%
6.0	3617.842	38.224	126.52	1.48%	5.27%
7.0	3571.691	44.625	171.146	1.73%	7.13%
8.0	3510.456	50.686	221.831	1.97%	9.24%
9.0	3444.309	56.365	278.196	2.19%	11.58%
10.0	3368.267	61.651	339.847	2.39%	14.15%
11.0	3285.236	66.482	406.329	2.58%	16.92%
12.0	3197.570	70.866	477.196	2.75%	19.87%
13.0	3103.400	74.777	551.972	2.90%	22.98%
14.0	3011.859	78.275	630.247	3.04%	26.24%
15.0	2911.392	81.317	711.564	3.16%	29.63%
16.0	2813.485	83.885	795.45	3.26%	33.12%
17.0	2708.036	85.985	881.434	3.34%	36.70%
18.0	2605.494	87.609	969.043	3.40%	40.35%
19.0	2492.919	88.702	1057.745	3.45%	44.04%
20.0	2384.080	89.263	1147.008	3.47%	47.76%
21.0	2265.692	89.285	1236.293	3.47%	51.48%
22.0	2147.305	88.681	1324.974	3.44%	55.17%
23.0	2024.904	87.544	1412.518	3.40%	58.82%
24.0	1897.106	85.749	1498.267	3.33%	62.39%
25.0	1779.826	83.605	1581.872	3.25%	65.87%
26.0	1655.349	81.088	1662.96	3.15%	69.25%
27.0	1485.781	76.848	1739.809	2.98%	72.45%
28.0	1352.503	71.859	1811.668	2.79%	75.44%
29.0	1198.219	66.734	1878.402	2.59%	78.22%
30.0	1100.914	62.076	1940.478	2.41%	80.80%
31.0	965.706	57.511	1997.989	2.23%	83.20%
32.0	829.128	51.420	2049.409	2.00%	85.34%
33.0	695.338	44.911	2094.32	1.74%	87.21%
34.0	571.242	38.330	2132.651	1.49%	88.80%
35.0	462.479	32.104	2164.754	1.25%	90.14%
36.0	369.721	26.497	2191.252	1.03%	91.24%
37.0	294.467	21.662	2212.914	0.84%	92.15%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	242.317	17.917	2230.831	0.70%	92.89%
39.0	182.570	14.503	2245.334	0.56%	93.50%
40.0	163.867	12.083	2257.416	0.47%	94.00%
41.0	115.046	9.932	2267.348	0.39%	94.41%
42.0	101.456	7.866	2275.214	0.31%	94.74%
43.0	89.687	7.080	2282.294	0.27%	95.03%
44.0	80.699	6.431	2288.725	0.25%	95.30%
45.0	72.596	5.891	2294.617	0.23%	95.55%
46.0	65.864	5.415	2300.031	0.21%	95.77%
47.0	60.239	5.015	2305.047	0.19%	95.98%
48.0	54.876	4.654	2309.7	0.18%	96.18%
49.0	50.552	4.329	2314.03	0.17%	96.36%
50.0	46.622	4.051	2318.081	0.16%	96.52%
51.0	43.459	3.811	2321.892	0.15%	96.68%
52.0	40.706	3.612	2325.504	0.14%	96.83%
53.0	38.381	3.440	2328.944	0.13%	96.98%
54.0	36.291	3.291	2332.236	0.13%	97.11%
55.0	34.340	3.153	2335.388	0.12%	97.24%
56.0	32.679	3.028	2338.417	0.12%	97.37%
57.0	31.081	2.915	2341.332	0.11%	97.49%
58.0	29.766	2.814	2344.146	0.11%	97.61%
59.0	28.528	2.725	2346.871	0.11%	97.72%
60.0	27.338	2.639	2349.51	0.10%	97.83%
61.0	26.321	2.561	2352.071	0.10%	97.94%
62.0	25.262	2.486	2354.557	0.10%	98.04%
63.0	24.342	2.412	2356.969	0.09%	98.14%
64.0	23.435	2.344	2359.314	0.09%	98.24%
65.0	22.647	2.281	2361.594	0.09%	98.34%
66.0	21.885	2.222	2363.816	0.09%	98.43%
67.0	21.138	2.163	2365.979	0.08%	98.52%
68.0	20.432	2.106	2368.085	0.08%	98.61%
69.0	19.720	2.048	2370.134	0.08%	98.69%
70.0	19.111	1.994	2372.128	0.08%	98.77%
71.0	18.447	1.941	2374.069	0.08%	98.86%
72.0	17.838	1.887	2375.956	0.07%	98.93%
73.0	17.236	1.834	2377.79	0.07%	99.01%
74.0	16.641	1.781	2379.571	0.07%	99.08%
75.0	16.080	1.729	2381.3	0.07%	99.16%

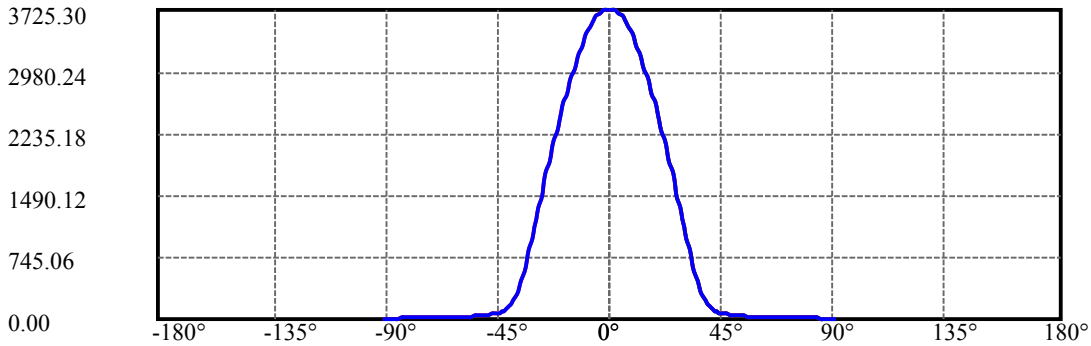
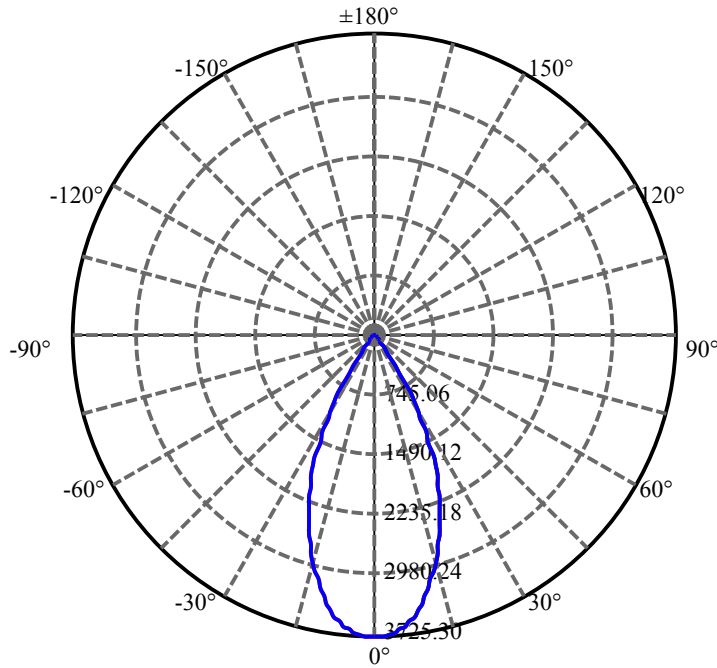
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.513	1.677	2382.977	0.07%	99.23%
77.0	14.973	1.625	2384.602	0.06%	99.29%
78.0	14.413	1.573	2386.175	0.06%	99.36%
79.0	13.894	1.521	2387.696	0.06%	99.42%
80.0	13.368	1.470	2389.166	0.06%	99.48%
81.0	12.884	1.420	2390.585	0.06%	99.54%
82.0	12.399	1.371	2391.956	0.05%	99.60%
83.0	11.956	1.324	2393.28	0.05%	99.66%
84.0	11.562	1.281	2394.562	0.05%	99.71%
85.0	11.237	1.244	2395.806	0.05%	99.76%
86.0	10.905	1.210	2397.016	0.05%	99.81%
87.0	10.628	1.178	2398.195	0.05%	99.86%
88.0	10.317	1.147	2399.342	0.04%	99.91%
89.0	10.061	1.117	2400.459	0.04%	99.95%
90.0	9.894	1.094	2401.553	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1940.48	75.36%	80.80%
0-40	2257.42	87.67%	94.00%
0-60	2349.51	91.25%	97.83%
0-90	2400.46	93.23%	99.95%
0-120	2400.46	93.23%	99.95%
0-180	2401.55	93.27%	100.00%
60-90	50.95	1.98%	2.12%
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%
0-29.69	1921.24	74.62%	80.00%

ZONAL LUMEN SUMMARY

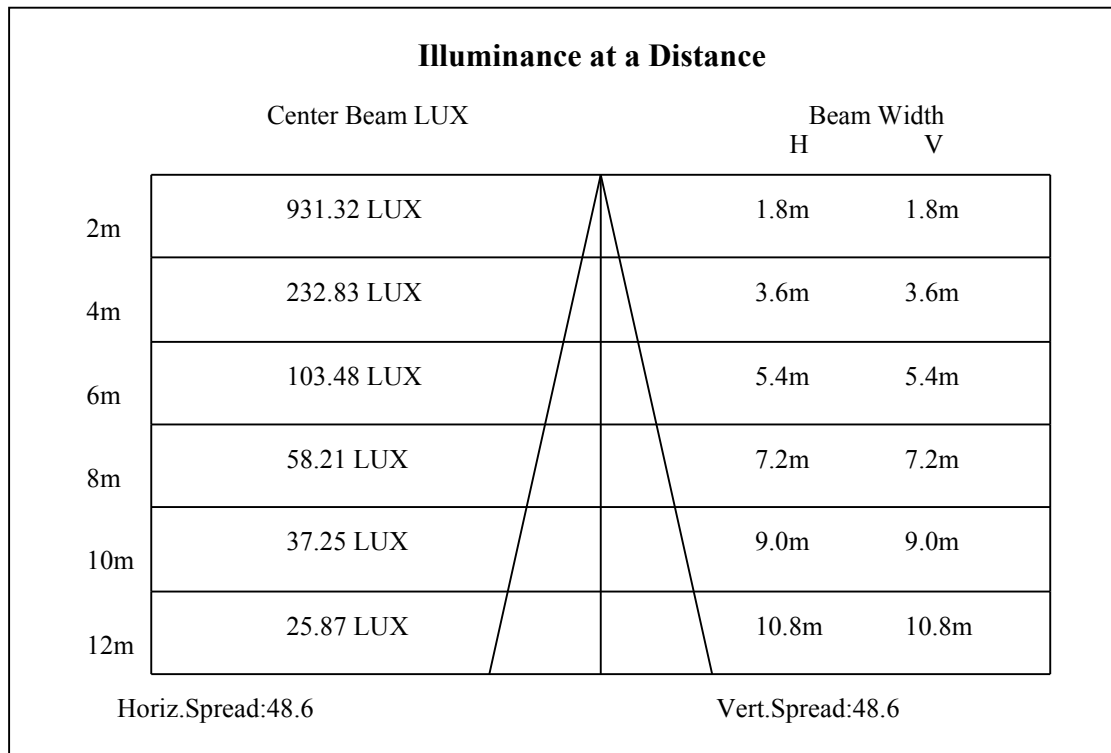
0-10	339.85
10-20	807.16
20-30	793.47
30-40	316.94
40-50	60.67
50-60	31.43
60-70	22.62
70-80	17.04
80-90	11.29
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

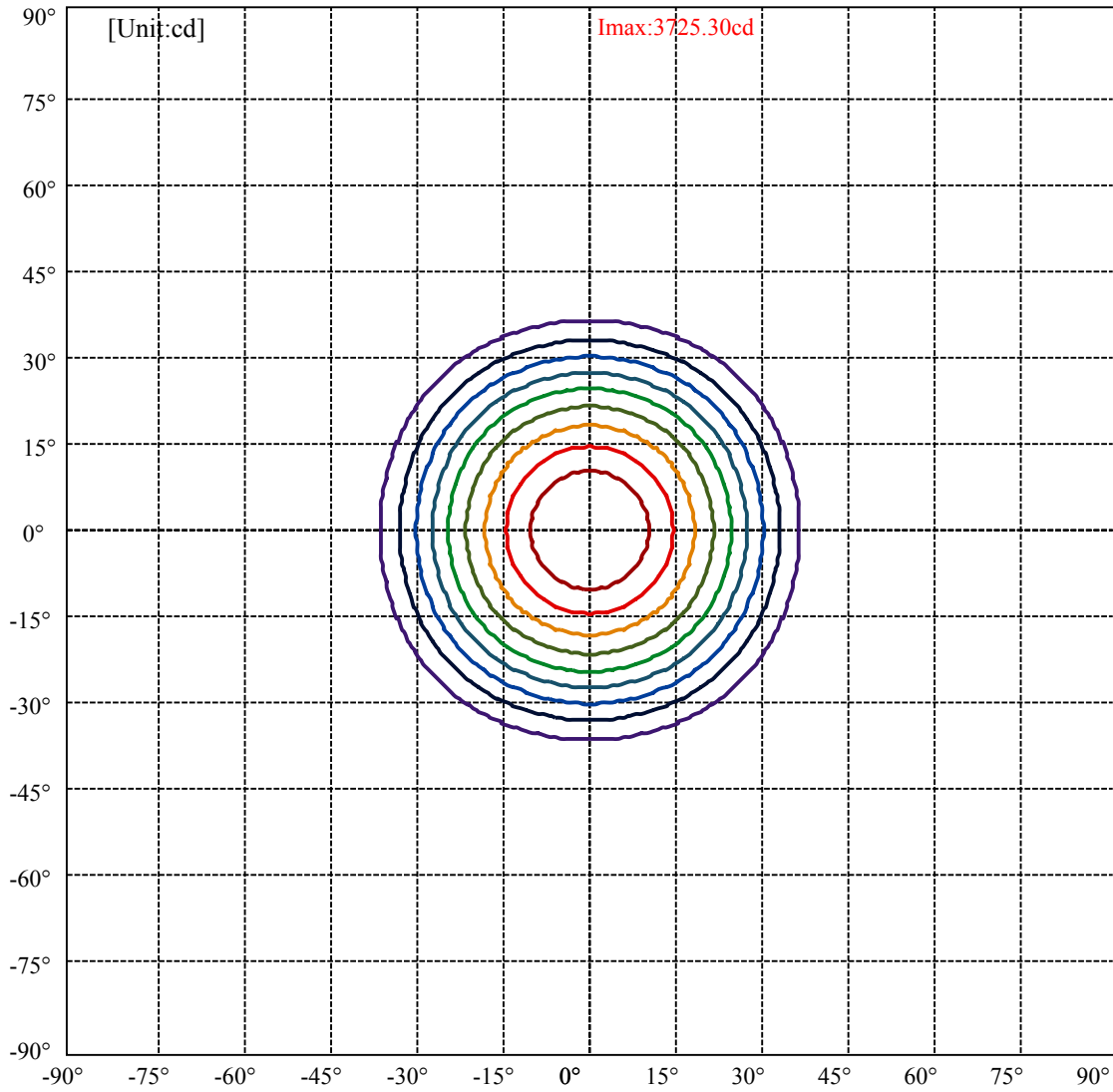


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:36.0 Right:36.0  
:C90/270Left:36.0 Right:36.0

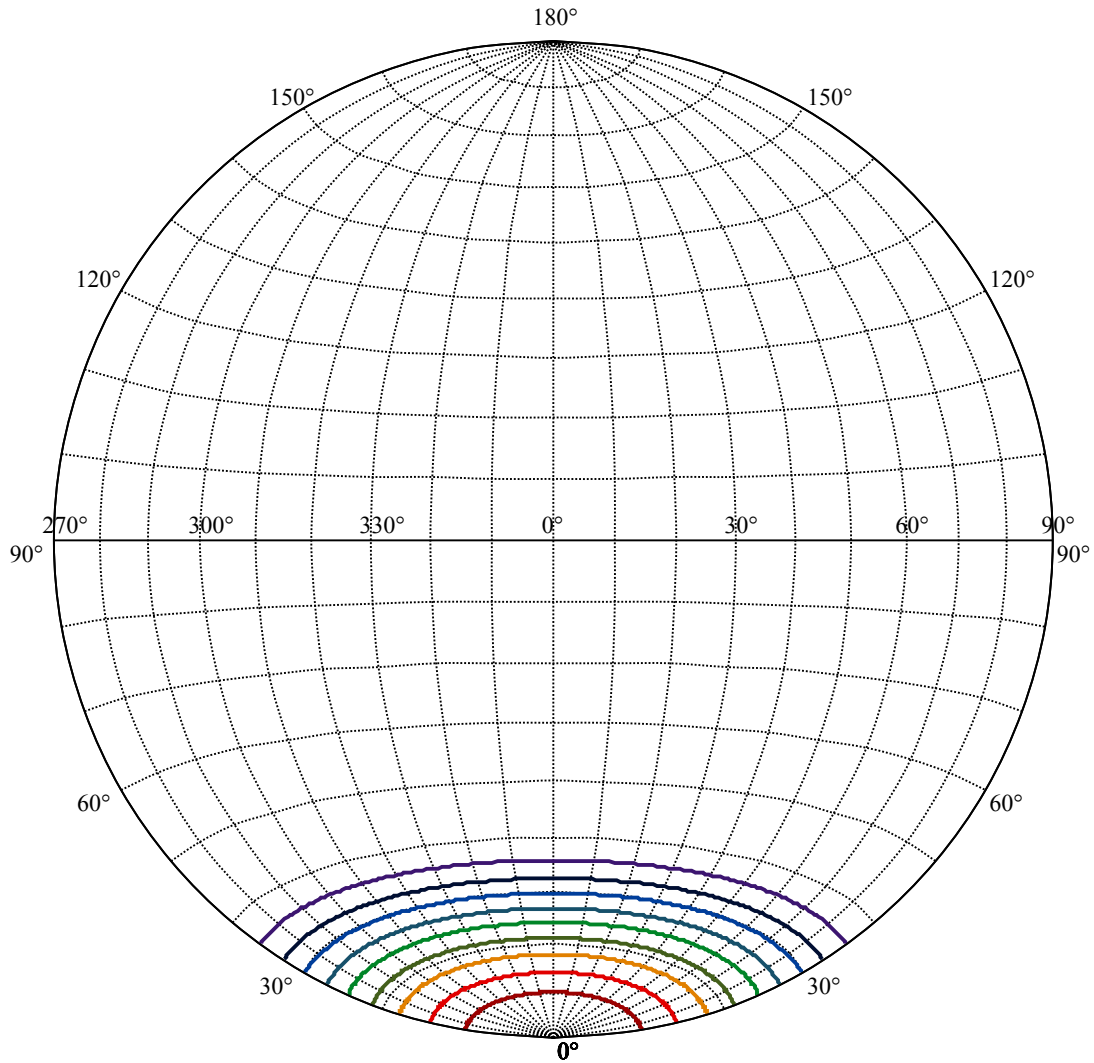
Beam Angle(50%Imax):C0/180Left:24.3 Right:24.3  
:C90/270Left:24.3 Right:24.3





(10%Imax) 372.53	—
(20%Imax) 745.059	—
(30%Imax) 1117.59	—
(40%Imax) 1490.12	—
(50%Imax) 1862.65	—
(60%Imax) 2235.18	—
(70%Imax) 2607.71	—
(80%Imax) 2980.24	—
(90%Imax) 3352.77	—





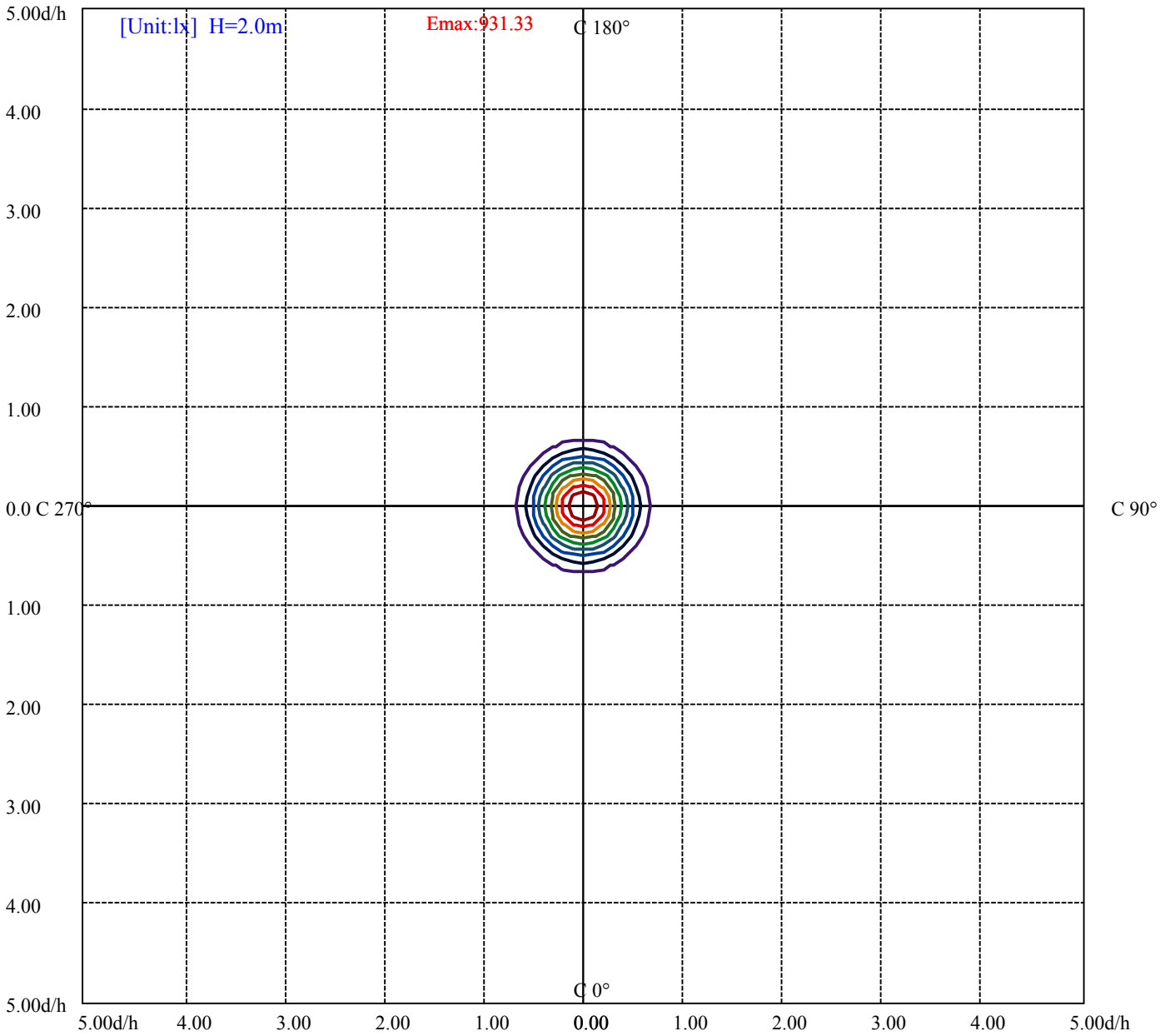
House

[Unit:cd]

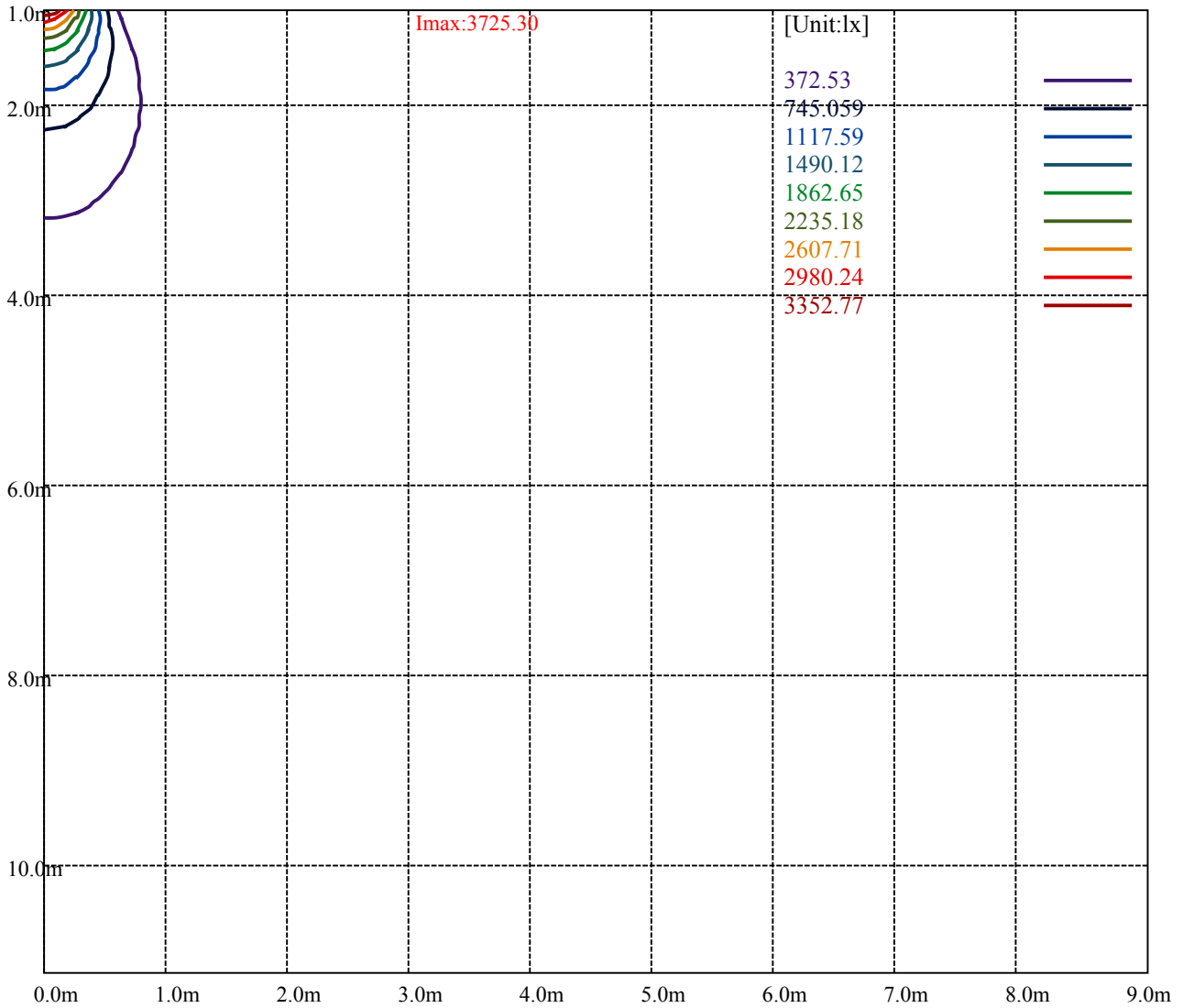
Road

**Imax:3725.30**

(10%Imax)	372.53	—
(20%Imax)	745.059	—
(30%Imax)	1117.59	—
(40%Imax)	1490.12	—
(50%Imax)	1862.65	—
(60%Imax)	2235.18	—
(70%Imax)	2607.71	—
(80%Imax)	2980.24	—
(90%Imax)	3352.77	—



- (10%Emax) 93.1325
- (20%Emax) 186.2648
- (30%Emax) 279.3975
- (40%Emax) 372.53
- (50%Emax) 465.6625
- (60%Emax) 558.795
- (70%Emax) 651.9275
- (80%Emax) 745.06
- (90%Emax) 838.1925



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

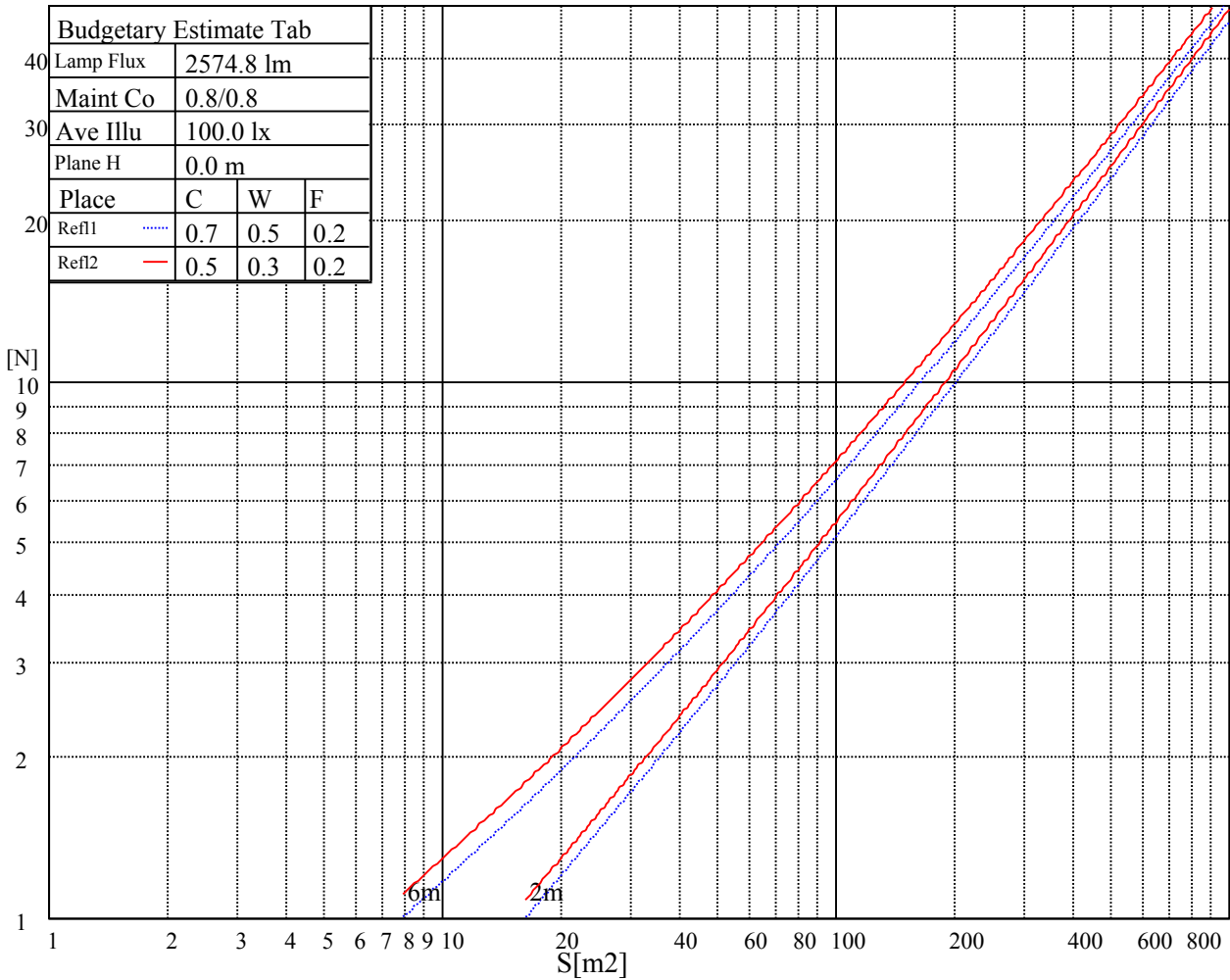
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

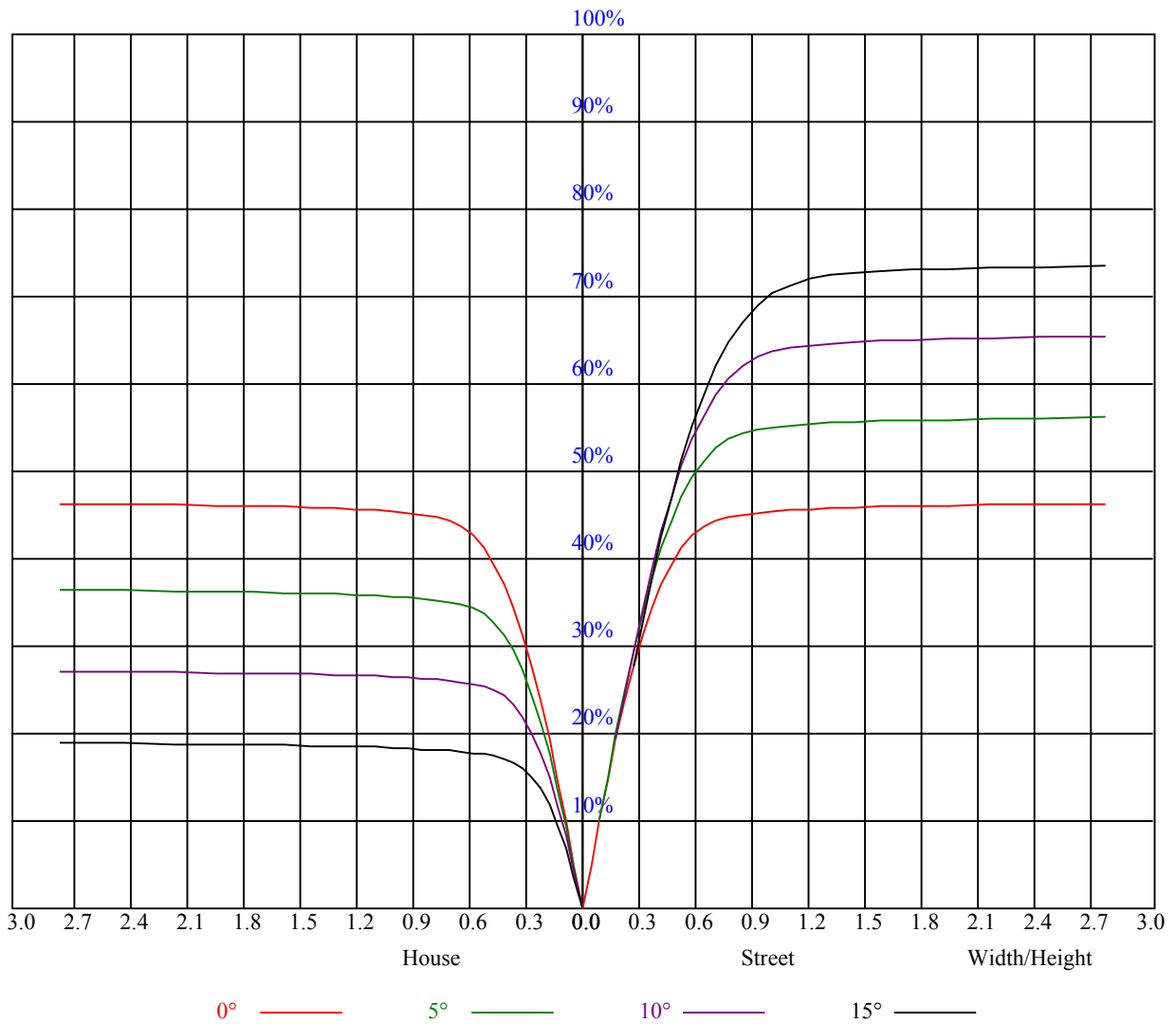


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	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	
	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	
	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	
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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
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		
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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.79	0.83	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
5	0.80	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.68
6	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
7	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52





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	3718.65	3708.69	3682.68	3645.03	3604.63	3545.40	3491.71	3433.03	3341.14
45.0	3728.62	3718.10	3701.50	3685.44	3651.68	3610.16	3566.43	3515.51	3438.01
90.0	3718.65	3705.92	3690.98	3669.94	3635.07	3591.34	3535.99	3472.33	3404.25
135.0	3735.26	3725.30	3726.40	3714.78	3697.07	3674.37	3641.16	3584.15	3531.56
180.0	3718.65	3724.74	3730.28	3729.17	3731.94	3719.76	3709.80	3686.00	3652.23
225.0	3728.62	3732.49	3738.58	3747.99	3737.48	3729.17	3697.07	3656.11	3602.97
270.0	3718.65	3728.06	3737.48	3738.58	3732.49	3728.62	3700.39	3674.37	3622.89
315.0	3735.26	3725.30	3725.85	3708.69	3681.57	3646.14	3600.20	3552.04	3490.60
360.0	3718.65	3708.69	3682.68	3645.03	3604.63	3545.40	3491.71	3433.03	3341.14
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3271.95	3191.14	3111.43	3032.27	2925.44	2838.53	2744.43	2621.55	2526.89
45.0	3363.28	3269.74	3195.56	3115.85	3021.20	2940.38	2849.05	2765.47	2654.21
90.0	3326.75	3232.10	3147.96	3043.34	2956.44	2867.32	2757.16	2663.06	2572.28
135.0	3462.37	3405.35	3306.27	3218.81	3129.69	3033.93	2917.69	2823.03	2706.24
180.0	3597.43	3551.49	3482.29	3389.30	3303.50	3213.28	3083.75	2988.54	2893.33
225.0	3535.99	3448.53	3368.82	3276.93	3166.78	3075.45	2987.43	2894.99	2772.11
270.0	3573.63	3516.61	3418.64	3335.05	3245.38	3152.94	3067.14	2954.78	2862.33
315.0	3423.07	3331.18	3250.92	3168.99	3078.77	2973.04	2884.48	2796.46	2676.90
360.0	3271.95	3191.14	3111.43	3032.27	2925.44	2838.53	2744.43	2621.55	2526.89
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2423.38	2296.07	2183.15	2043.65	1931.84	1820.58	1707.66	1567.06	1438.09
45.0	2557.89	2458.81	2359.72	2230.20	2116.72	2001.03	1862.10	1748.07	1629.06
90.0	2473.20	2351.97	2248.46	2134.99	2017.09	1874.83	1761.35	1643.45	1486.24
135.0	2608.82	2509.73	2386.29	2281.12	2173.18	2059.71	1916.34	1799.55	1681.64
180.0	2763.81	2666.94	2560.10	2447.18	2309.91	2196.43	2081.85	1967.27	1828.88
225.0	2671.36	2566.19	2459.36	2326.51	2213.04	2090.71	1951.21	1844.94	1733.67
270.0	2767.68	2650.33	2537.41	2431.13	2298.84	2184.81	2040.89	1924.09	1812.83
315.0	2577.82	2443.31	2338.14	2230.75	2117.83	1971.14	1855.45	1744.19	1632.38
360.0	2423.38	2296.07	2183.15	2043.65	1931.84	1820.58	1707.66	1567.06	1438.09
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1104.47	1104.47	1007.82	877.58	749.76	629.81	493.92	398.71	313.74
45.0	1471.30	1333.47	1166.85	1033.45	901.16	771.63	621.07	513.68	415.15
90.0	1248.22	1083.71	1051.28	923.96	795.04	639.06	527.96	427.05	315.85
135.0	1563.74	1398.79	1263.17	1133.09	970.35	838.05	680.85	566.27	461.65
180.0	1717.62	1606.92	1456.91	1329.59	1160.21	1027.36	892.30	731.22	612.76
225.0	1589.76	1465.21	1103.09	1103.09	1035.06	901.32	768.86	618.19	507.98
270.0	1703.78	1560.97	1436.43	1306.34	1173.50	1011.86	882.89	756.13	609.44
315.0	1487.35	1266.49	1100.21	1100.21	940.57	813.92	694.85	558.68	463.25
360.0	1104.47	1104.47	1007.82	877.58	749.76	629.81	493.92	398.71	313.74
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	227.01	178.68	146.85	123.38	109.05	97.70	85.80	77.77	71.02
45.0	327.69	288.39	288.39	143.81	124.10	107.05	96.04	84.47	76.78
90.0	244.05	187.59	148.51	126.32	108.83	97.70	88.23	78.05	70.96
135.0	366.99	285.07	285.07	155.71	129.36	110.38	98.81	89.17	80.76
180.0	503.72	407.40	322.16	283.41	283.41	142.54	122.44	105.39	94.32
225.0	409.45	321.05	228.67	174.14	138.22	114.19	100.80	87.85	79.32
270.0	503.72	407.96	301.12	281.75	281.75	131.80	114.91	101.41	90.72
315.0	375.13	279.59	217.76	172.04	136.23	119.01	104.62	93.38	81.70
360.0	227.01	178.68	146.85	123.38	109.05	97.70	85.80	77.77	71.02

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	65.04	58.40	53.91	50.10	46.66	43.12	40.68	37.97	36.04
45.0	70.02	62.88	57.68	53.03	49.04	44.78	42.01	39.63	37.64
90.0	64.65	57.90	53.19	48.32	44.95	42.18	39.80	37.09	35.20
135.0	72.02	65.93	60.56	54.52	50.37	45.94	43.12	40.74	38.14
180.0	82.92	75.45	68.86	61.77	56.79	52.53	47.94	44.89	42.23
225.0	72.24	65.98	59.28	54.58	50.26	46.72	43.01	40.57	38.42
270.0	79.71	72.57	66.26	60.78	54.69	50.48	46.88	43.12	40.63
315.0	74.17	67.81	62.16	55.91	51.64	47.22	44.23	41.63	38.75
360.0	65.04	58.40	53.91	50.10	46.66	43.12	40.68	37.97	36.04
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.32	32.38	31.00	29.67	28.23	27.18	26.18	25.19	24.13
45.0	35.26	33.54	32.05	30.39	29.17	28.06	26.79	25.74	24.85
90.0	33.54	31.99	30.28	29.06	27.90	26.68	25.63	24.74	23.75
135.0	36.20	34.49	32.88	31.16	29.89	28.73	27.62	26.51	25.52
180.0	39.91	37.36	35.48	33.88	32.38	30.67	29.45	28.34	27.07
225.0	35.98	34.21	32.71	31.00	29.78	28.56	27.29	26.29	25.41
270.0	38.42	35.92	34.21	32.16	30.78	29.56	28.34	27.34	26.02
315.0	36.70	34.82	32.82	31.33	30.00	28.78	27.40	26.40	25.35
360.0	34.32	32.38	31.00	29.67	28.23	27.18	26.18	25.19	24.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.30	22.58	21.81	20.92	20.26	19.60	18.82	18.27	17.49
45.0	23.86	23.03	22.31	21.64	20.76	20.09	19.48	18.93	18.16
90.0	22.97	22.25	21.37	20.70	20.09	19.43	18.71	18.16	17.60
135.0	24.63	23.58	22.86	22.14	21.31	20.65	19.98	19.21	18.60
180.0	26.07	24.91	24.02	23.25	22.53	21.64	20.98	20.31	19.65
225.0	24.36	23.53	22.75	22.09	21.42	20.65	19.98	19.43	18.71
270.0	25.08	24.19	23.41	22.47	21.75	21.09	20.26	19.65	19.04
315.0	24.47	23.41	22.64	21.86	20.98	20.31	19.54	18.93	18.32
360.0	23.30	22.58	21.81	20.92	20.26	19.60	18.82	18.27	17.49
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.94	16.44	15.89	15.28	14.72	14.23	13.73	13.17	12.68
45.0	17.55	17.05	16.38	15.89	15.28	14.72	14.23	13.62	13.17
90.0	17.10	16.38	15.89	15.28	14.78	14.28	13.73	13.23	12.79
135.0	17.99	17.44	16.77	16.22	15.72	15.22	14.61	14.12	13.51
180.0	18.93	18.32	17.82	17.21	16.50	15.94	15.28	14.78	14.23
225.0	18.10	17.38	16.83	16.33	15.67	15.11	14.61	14.12	13.51
270.0	18.32	17.77	17.05	16.50	16.00	15.50	14.83	14.34	13.84
315.0	17.77	17.10	16.50	15.94	15.44	14.78	14.28	13.78	13.23
360.0	16.94	16.44	15.89	15.28	14.72	14.23	13.73	13.17	12.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.29	11.79	11.46	11.18	10.90	10.52	10.24	9.91	9.91
45.0	12.73	12.18	11.79	11.46	11.13	10.79	10.52	10.19	9.85
90.0	12.29	11.90	11.51	11.18	10.90	10.63	10.35	9.91	9.85
135.0	13.01	12.57	12.01	11.57	11.24	10.96	10.68	10.41	10.02
180.0	13.67	13.17	12.57	12.12	11.73	11.35	11.02	10.79	10.52
225.0	13.06	12.51	12.12	11.62	11.35	11.02	10.74	10.46	10.13
270.0	13.23	12.79	12.34	11.79	11.46	11.13	10.85	10.52	10.24
315.0	12.79	12.29	11.85	11.57	11.18	10.85	10.63	10.35	9.96
360.0	12.29	11.79	11.46	11.18	10.90	10.52	10.24	9.91	9.91

Intensity data(cd)

<i>C/γ(°)</i>	<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>9.85</b>
<b>135.0</b>	<b>9.85</b>
<b>180.0</b>	<b>10.19</b>
<b>225.0</b>	<b>9.85</b>
<b>270.0</b>	<b>9.85</b>
<b>315.0</b>	<b>9.85</b>
<b>360.0</b>	<b>9.85</b>