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NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.411.00

Report No: 2024417-B010

Ballast type: AC

Test No: 2024417-C010

Voltage(V): 33.770

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.577

Lamp flux(lm): 2629.0

Power (W): 19.485

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2237.74, Efficiency(%): 85.12% , Luminous Efficacy(lm/W): 114.84

Central intensity(cd): 11155.030, Maximum intensity(cd): 11155.030

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.0

[C90/270]Total=17.0

Field angle(10%Imax): [C0/180]Total=49.4

[C90/270]Total=49.4

Maximum s/h(1/2): C0\_180=0.29 C90\_270=0.29

Maximum s/h(1/4): C0\_180=0.34 C90\_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.820%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/17  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11155.032	0.000	0	0.00%	0.00%
1.0	11040.036	10.620	10.62	0.40%	0.47%
2.0	10688.901	31.187	41.807	1.19%	1.87%
3.0	10143.690	49.825	91.632	1.90%	4.09%
4.0	9450.784	65.589	157.221	2.49%	7.03%
5.0	8671.118	77.959	235.181	2.97%	10.51%
6.0	7748.145	86.288	321.468	3.28%	14.37%
7.0	6858.091	90.661	412.129	3.45%	18.42%
8.0	5998.761	92.014	504.143	3.50%	22.53%
9.0	5199.929	90.759	594.902	3.45%	26.58%
10.0	4525.750	88.014	682.916	3.35%	30.52%
11.0	4014.409	85.334	768.25	3.25%	34.33%
12.0	3546.741	82.654	850.904	3.14%	38.03%
13.0	3181.342	79.845	930.749	3.04%	41.59%
14.0	2861.077	77.342	1008.092	2.94%	45.05%
15.0	2605.773	75.051	1083.143	2.85%	48.40%
16.0	2368.830	72.892	1156.035	2.77%	51.66%
17.0	2167.439	70.642	1226.677	2.69%	54.82%
18.0	1982.069	68.416	1295.093	2.60%	57.87%
19.0	1822.083	66.184	1361.278	2.52%	60.83%
20.0	1675.850	64.022	1425.3	2.44%	63.69%
21.0	1547.832	61.901	1487.201	2.35%	66.46%
22.0	1386.127	58.959	1546.16	2.24%	69.09%
23.0	1266.756	55.665	1601.825	2.12%	71.58%
24.0	1184.210	53.587	1655.412	2.04%	73.98%
25.0	1086.938	51.641	1707.053	1.96%	76.28%
26.0	990.223	49.032	1756.084	1.87%	78.48%
27.0	914.663	46.603	1802.688	1.77%	80.56%
28.0	859.374	44.915	1847.602	1.71%	82.57%
29.0	799.176	43.392	1890.995	1.65%	84.50%
30.0	729.746	41.281	1932.275	1.57%	86.35%
31.0	630.434	37.852	1970.127	1.44%	88.04%
32.0	539.190	33.508	2003.636	1.27%	89.54%
33.0	431.391	28.594	2032.229	1.09%	90.82%
34.0	332.261	23.110	2055.34	0.88%	91.85%
35.0	247.477	18.005	2073.344	0.68%	92.65%
36.0	212.620	14.650	2087.994	0.56%	93.31%
37.0	118.845	10.811	2098.804	0.41%	93.79%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.125	6.975	2105.779	0.27%	94.10%
39.0	80.607	5.828	2111.607	0.22%	94.36%
40.0	74.931	5.425	2117.032	0.21%	94.61%
41.0	69.474	5.142	2122.174	0.20%	94.84%
42.0	64.294	4.860	2127.034	0.18%	95.05%
43.0	59.883	4.600	2131.634	0.17%	95.26%
44.0	55.874	4.369	2136.003	0.17%	95.45%
45.0	52.078	4.149	2140.151	0.16%	95.64%
46.0	48.874	3.948	2144.099	0.15%	95.82%
47.0	46.167	3.780	2147.879	0.14%	95.98%
48.0	43.607	3.629	2151.508	0.14%	96.15%
49.0	41.566	3.498	2155.006	0.13%	96.30%
50.0	39.671	3.387	2158.393	0.13%	96.45%
51.0	38.223	3.296	2161.689	0.13%	96.60%
52.0	37.037	3.229	2164.918	0.12%	96.75%
53.0	35.977	3.176	2168.094	0.12%	96.89%
54.0	35.114	3.133	2171.228	0.12%	97.03%
55.0	34.309	3.099	2174.326	0.12%	97.17%
56.0	33.409	3.060	2177.386	0.12%	97.30%
57.0	32.414	3.010	2180.396	0.11%	97.44%
58.0	31.273	2.945	2183.341	0.11%	97.57%
59.0	29.949	2.862	2186.203	0.11%	97.70%
60.0	28.464	2.760	2188.963	0.10%	97.82%
61.0	26.920	2.643	2191.606	0.10%	97.94%
62.0	25.274	2.515	2194.121	0.10%	98.05%
63.0	23.563	2.375	2196.496	0.09%	98.16%
64.0	22.041	2.238	2198.734	0.09%	98.26%
65.0	20.658	2.113	2200.847	0.08%	98.35%
66.0	19.342	1.996	2202.843	0.08%	98.44%
67.0	18.296	1.893	2204.735	0.07%	98.52%
68.0	17.447	1.811	2206.546	0.07%	98.61%
69.0	16.701	1.742	2208.288	0.07%	98.68%
70.0	16.160	1.688	2209.976	0.06%	98.76%
71.0	15.699	1.647	2211.622	0.06%	98.83%
72.0	15.406	1.617	2213.24	0.06%	98.91%
73.0	15.260	1.604	2214.843	0.06%	98.98%
74.0	15.113	1.597	2216.44	0.06%	99.05%
75.0	15.011	1.592	2218.032	0.06%	99.12%

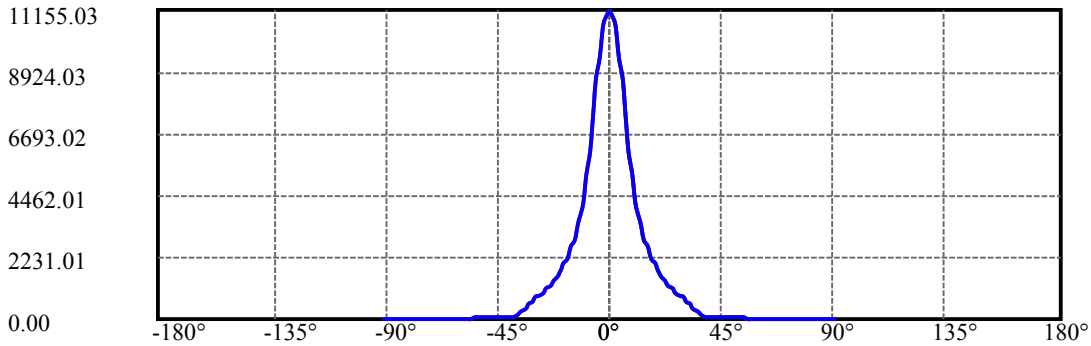
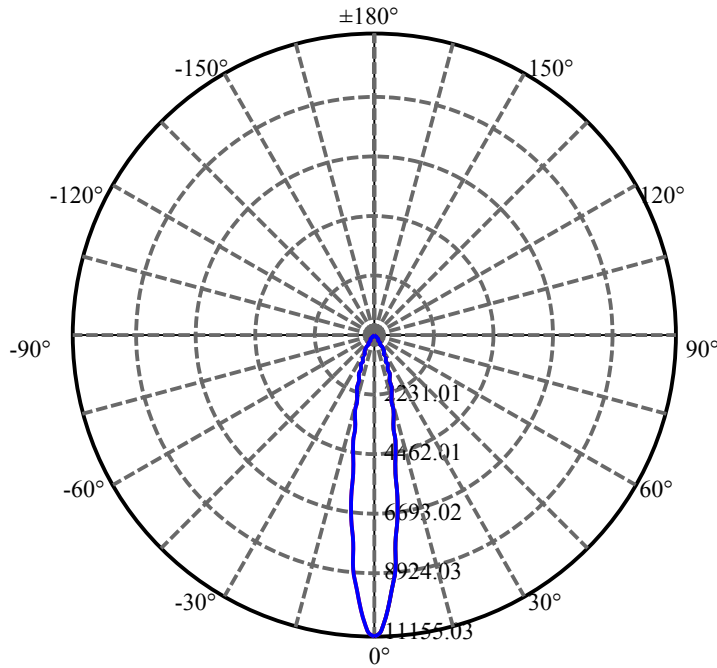
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.879	1.587	2219.618	0.06%	99.19%
77.0	14.799	1.582	2221.201	0.06%	99.26%
78.0	14.740	1.581	2222.782	0.06%	99.33%
79.0	14.484	1.570	2224.352	0.06%	99.40%
80.0	13.921	1.531	2225.884	0.06%	99.47%
81.0	12.773	1.444	2227.327	0.05%	99.53%
82.0	11.741	1.329	2228.657	0.05%	99.59%
83.0	11.244	1.249	2229.906	0.05%	99.65%
84.0	10.929	1.208	2231.114	0.05%	99.70%
85.0	10.644	1.177	2232.291	0.04%	99.76%
86.0	10.307	1.145	2233.437	0.04%	99.81%
87.0	10.000	1.111	2234.548	0.04%	99.86%
88.0	9.759	1.082	2235.63	0.04%	99.91%
89.0	9.612	1.062	2236.692	0.04%	99.95%
90.0	9.546	1.050	2237.742	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1932.28	73.50%	86.35%
0-40	2117.03	80.53%	94.61%
0-60	2188.96	83.26%	97.82%
0-90	2236.69	85.08%	99.95%
0-120	2236.69	85.08%	99.95%
0-180	2237.74	85.12%	100.00%
60-90	47.73	1.82%	2.13%
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%
0-26.73	1790.19	68.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	682.92
10-20	742.38
20-30	506.98
30-40	184.76
40-50	41.36
50-60	30.57
60-70	21.01
70-80	15.91
80-90	10.81
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



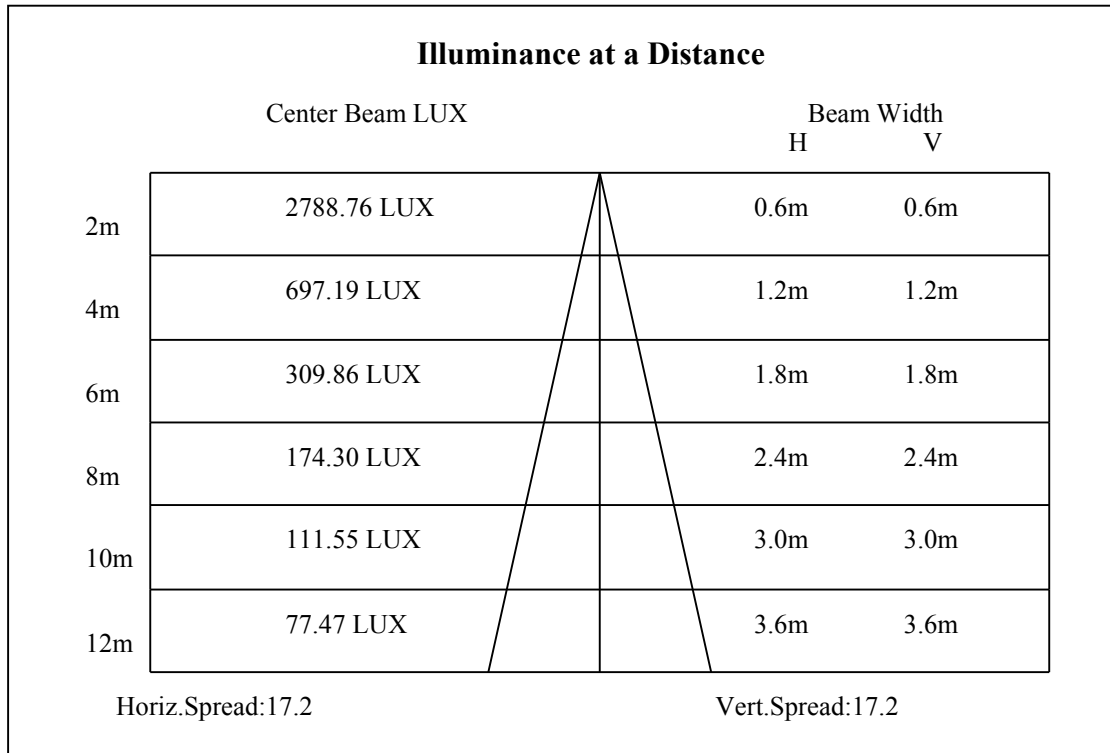
C0(Max): —————

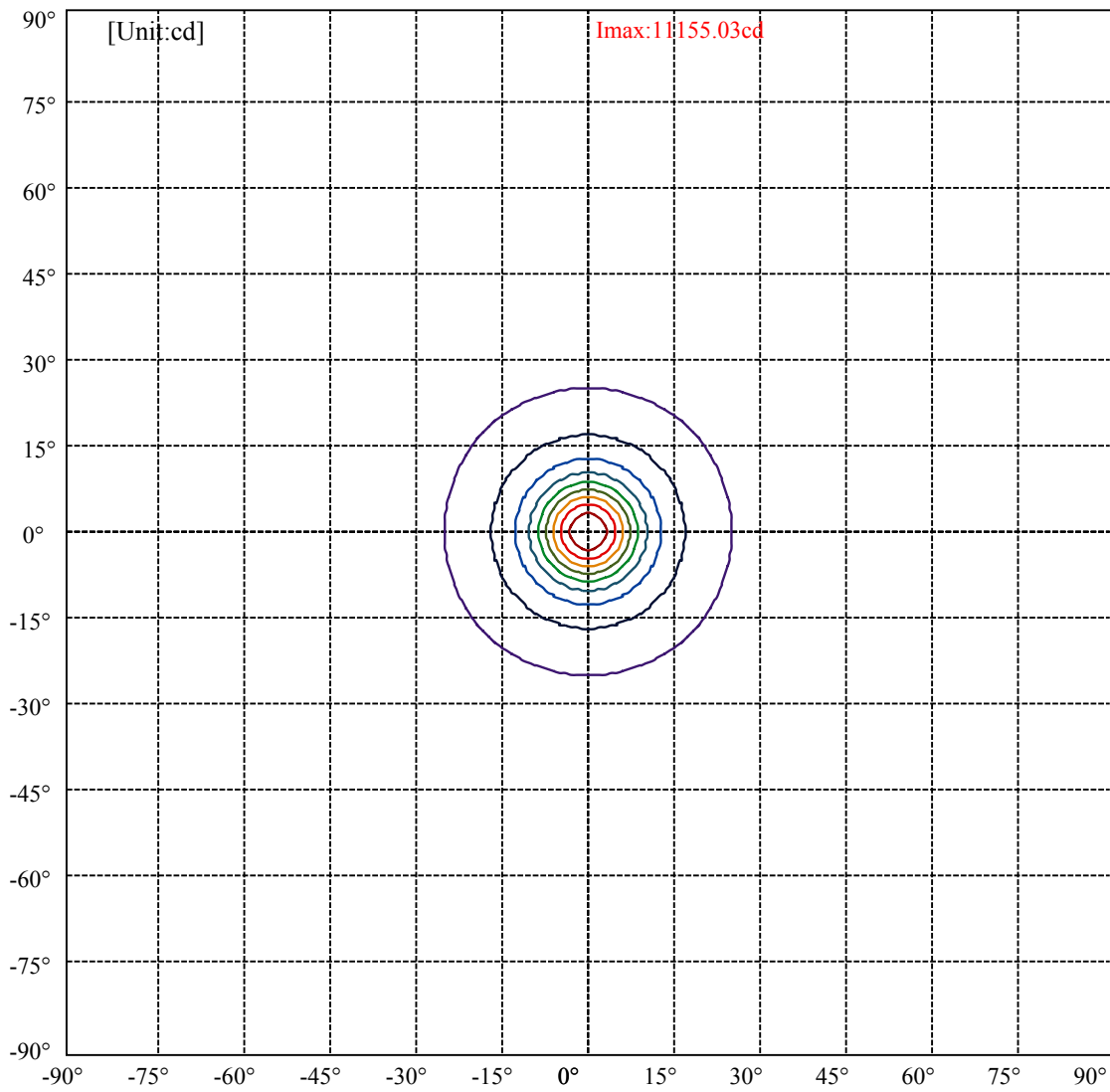
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:24.7 Right:24.7  
:C90/270Left:24.7 Right:24.7

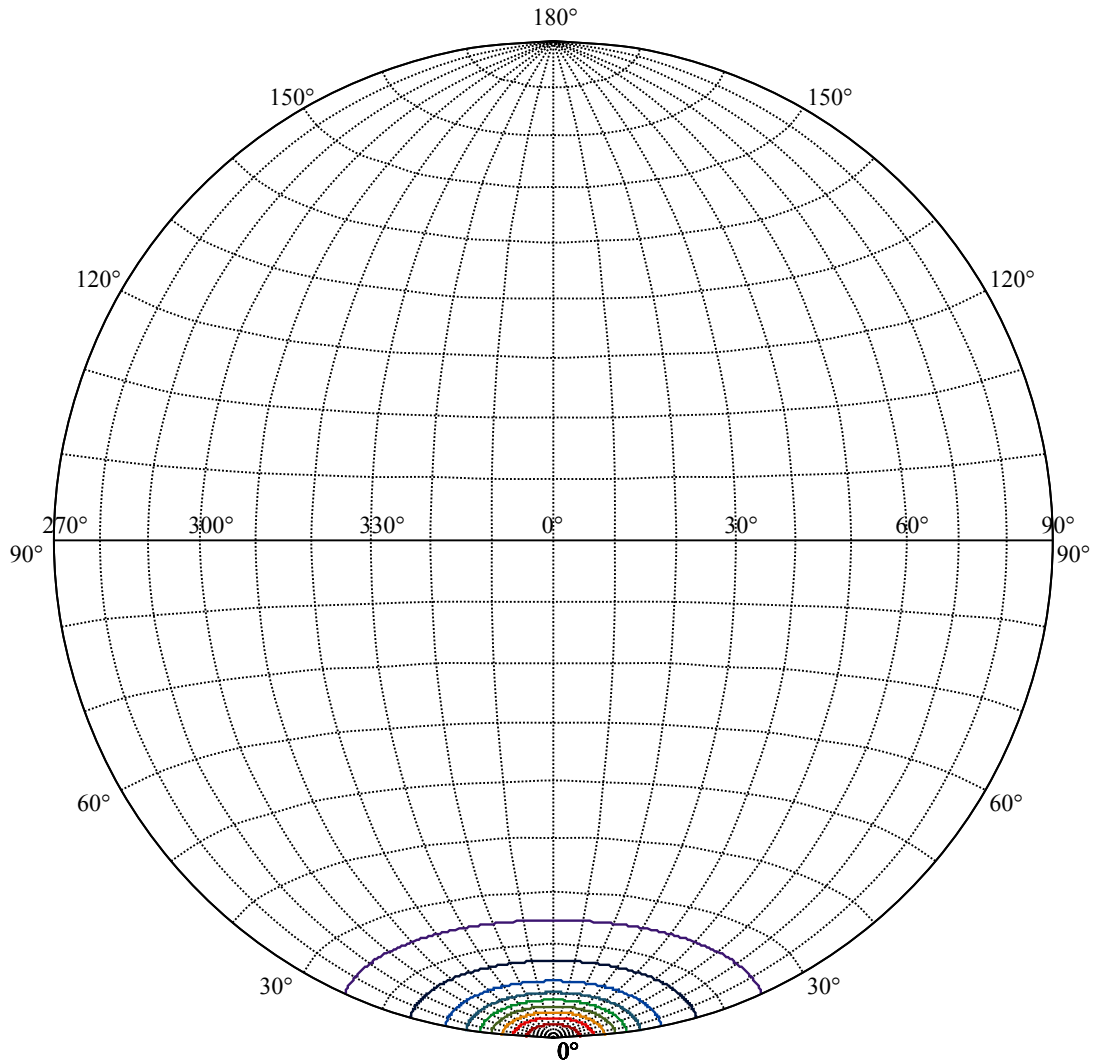
Beam Angle(50%Imax):C0/180Left:8.5 Right:8.5  
:C90/270Left:8.5 Right:8.5





(10%Imax) 1115.5	—
(20%Imax) 2231.01	—
(30%Imax) 3346.51	—
(40%Imax) 4462.01	—
(50%Imax) 5577.52	—
(60%Imax) 6693.02	—
(70%Imax) 7808.52	—
(80%Imax) 8924.03	—
(90%Imax) 10039.5	—





House

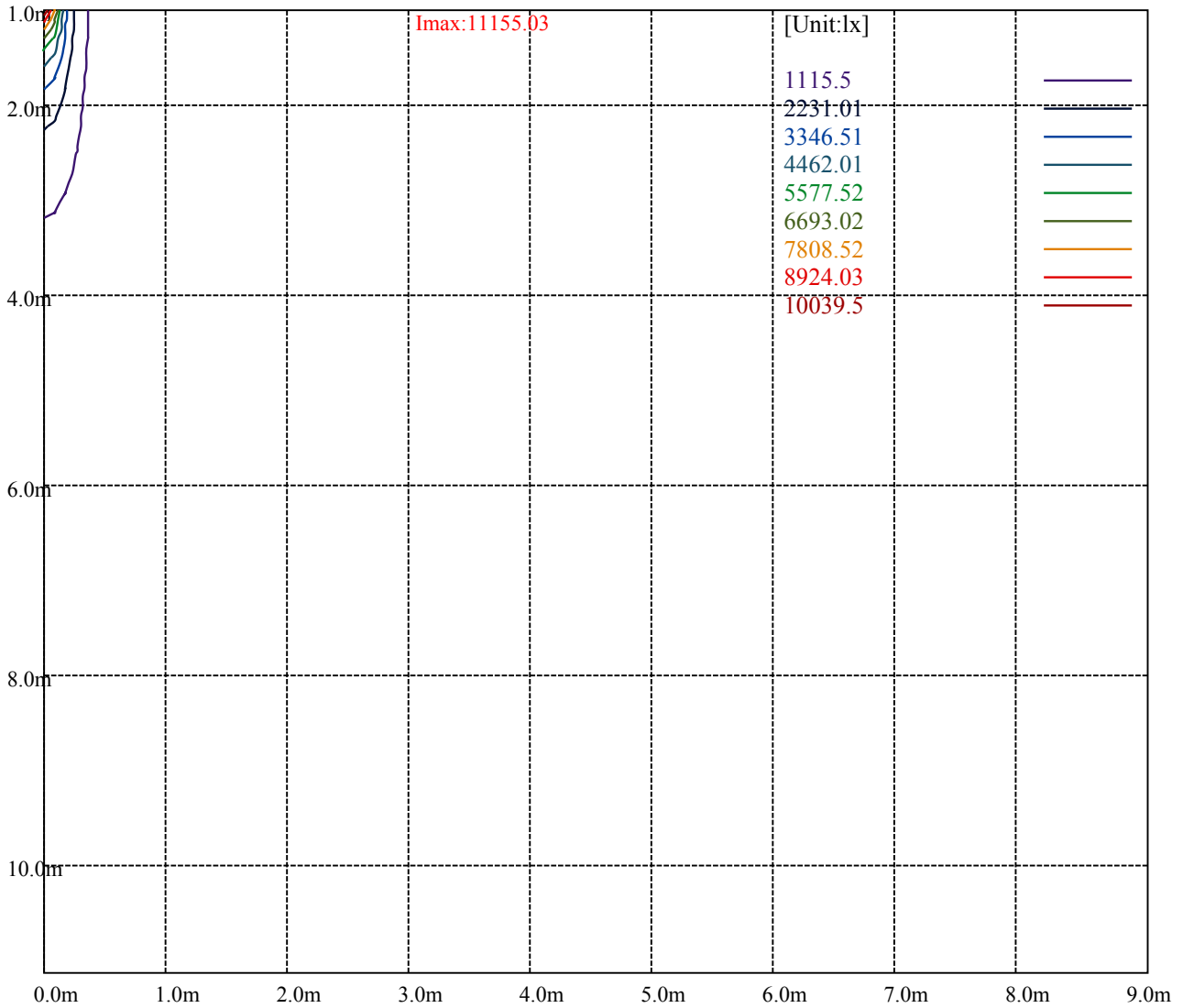
[Unit:cd]

Road

**Imax:11155.03**

(10%Imax)	1115.5	—
(20%Imax)	2231.01	—
(30%Imax)	3346.51	—
(40%Imax)	4462.01	—
(50%Imax)	5577.52	—
(60%Imax)	6693.02	—
(70%Imax)	7808.52	—
(80%Imax)	8924.03	—
(90%Imax)	10039.5	—





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

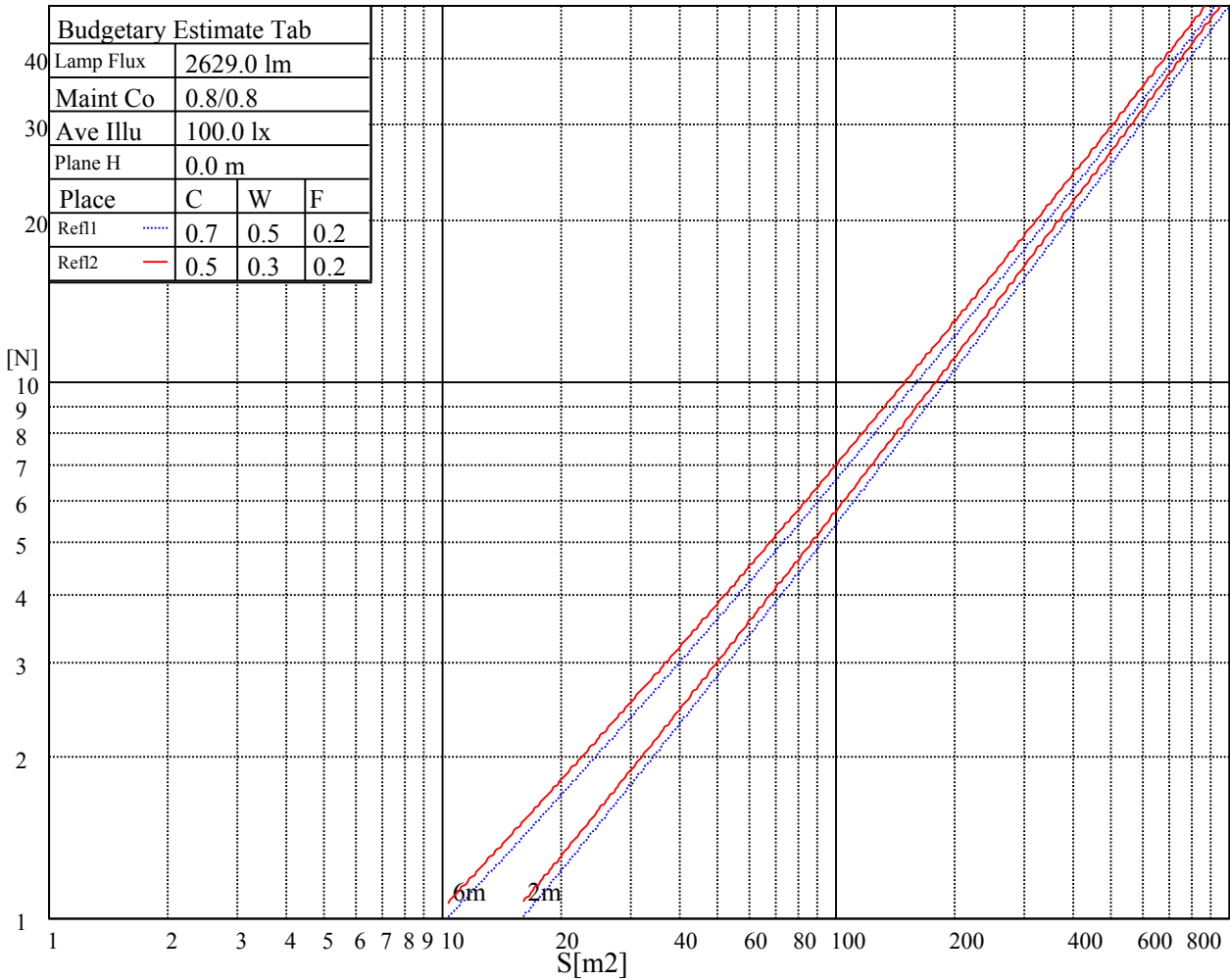
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

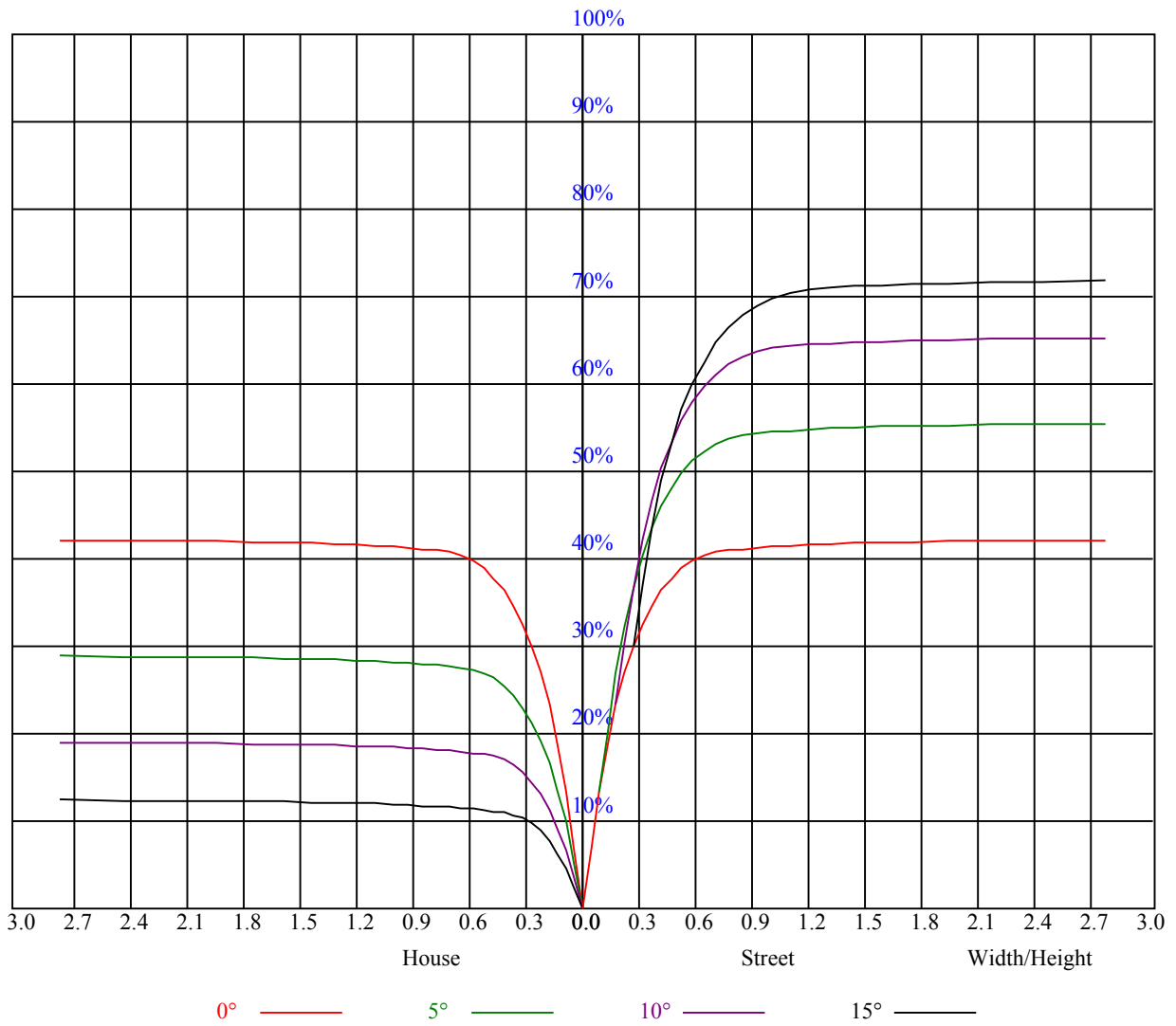


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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				

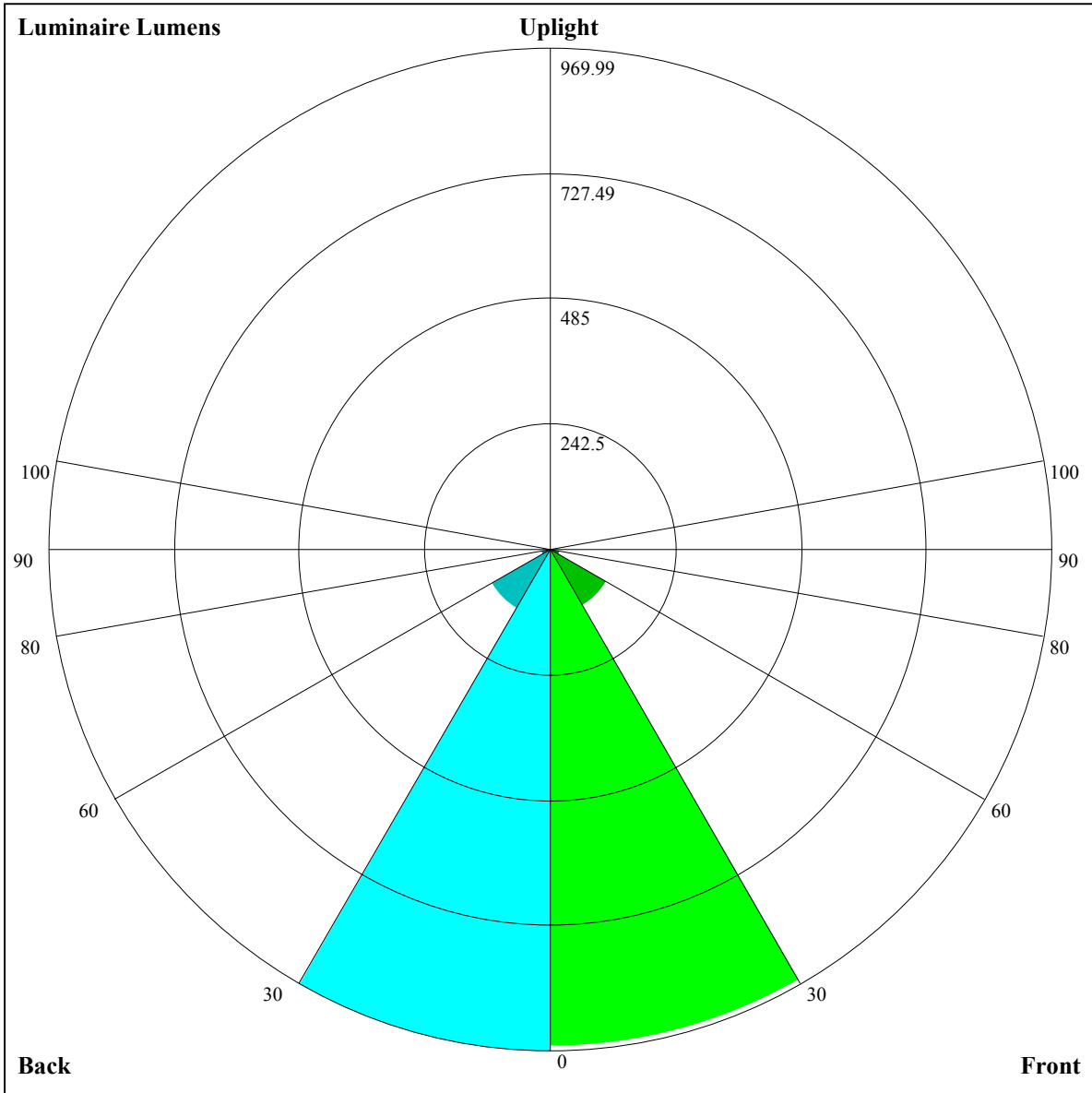
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.92	0.90	0.90	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.77	0.76	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56







Luminaire Lumens:

FL=961.33,FM=126.08,FH=18.44,FVH=5.99

BL=969.99,BM=131.37,BH=18.67,BVH=5.97

UL=0,UH=0

BUG Rating:B2-U0-G0

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	11187.80	10944.94	10531.77	9949.47	9257.15	8255.83	7413.10	6562.77	5765.70
45.0	11112.31	11183.71	11015.16	10638.28	9930.16	9216.18	8448.37	7615.59	6556.92
90.0	11189.56	10990.58	10506.60	9921.38	9055.83	8275.73	7454.07	6401.83	5608.85
135.0	11130.45	11174.34	11034.48	10569.81	10012.09	9341.42	8334.83	7510.25	6463.87
180.0	11187.80	11156.20	10950.79	10424.09	9825.40	9112.60	8103.67	7255.68	6432.27
225.0	11112.31	10822.04	10233.30	9573.75	8824.67	8008.28	6957.21	6147.85	5387.64
270.0	11189.56	11149.77	10902.80	10339.81	9713.04	8976.82	8168.63	7107.62	6291.23
315.0	11130.45	10898.70	10336.30	9732.94	8987.94	8182.09	7105.28	6263.14	5483.62
360.0	11187.80	10944.94	10531.77	9949.47	9257.15	8255.83	7413.10	6562.77	5765.70
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4877.91	4299.71	3828.60	3365.10	3057.86	2736.57	2514.77	2313.45	2096.33
45.0	5758.67	5044.70	4428.46	3835.04	3454.64	3145.06	2812.65	2585.58	2381.92
90.0	4904.83	4191.44	3751.94	3388.51	3085.95	2767.00	2543.45	2348.57	2165.98
135.0	5682.01	4994.37	4407.39	3816.31	3436.50	3107.60	2830.79	2528.82	2321.65
180.0	5471.33	4806.51	4244.70	3784.71	3297.80	2982.37	2703.21	2466.78	2211.62
225.0	4728.68	4059.18	3620.85	3258.59	2943.74	2611.33	2378.41	2127.94	1951.78
270.0	5531.02	4701.76	4157.50	3693.41	3236.94	2922.09	2661.66	2371.39	2175.34
315.0	4644.99	4108.34	3675.86	3232.26	2937.30	2616.60	2401.24	2208.11	2034.89
360.0	4877.91	4299.71	3828.60	3365.10	3057.86	2736.57	2514.77	2313.45	2096.33
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1941.25	1798.45	1670.29	1520.47	1408.70	1160.15	1160.15	1077.75	960.65
45.0	2157.20	2000.94	1824.79	1693.70	1570.22	1454.34	1312.72	1199.18	1088.58
90.0	1965.24	1825.96	1693.11	1543.30	1431.52	1159.92	1159.92	1084.66	988.45
135.0	2145.49	1943.59	1804.89	1673.80	1523.40	1405.18	1265.90	1155.88	1049.37
180.0	2025.52	1855.22	1681.41	1560.85	1409.87	1315.06	1210.30	1093.26	997.87
225.0	1792.60	1625.23	1506.43	1395.82	1167.35	1167.35	1069.26	982.53	916.93
270.0	1990.99	1827.72	1653.32	1539.20	1417.47	1311.55	1186.89	1088.58	994.94
315.0	1838.25	1699.55	1572.56	1455.51	1160.50	1160.50	1108.53	1013.67	925.01
360.0	1941.25	1798.45	1670.29	1520.47	1408.70	1160.15	1160.15	1077.75	960.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	896.86	847.35	766.53	683.66	575.04	481.82	386.89	277.75	198.22
45.0	980.90	890.77	843.95	787.19	691.79	606.94	513.30	392.74	300.86
90.0	904.47	854.08	795.20	716.08	599.86	502.88	403.57	305.55	200.85
135.0	954.56	889.60	831.66	776.07	702.91	618.06	505.69	410.30	317.25
180.0	932.91	878.48	822.30	759.10	670.73	581.19	462.39	368.17	303.79
225.0	856.30	814.17	760.38	681.79	569.78	473.74	354.59	267.86	190.61
270.0	915.35	866.19	818.79	761.44	674.24	588.79	463.56	364.07	295.01
315.0	875.96	834.36	754.59	672.66	559.12	460.10	361.14	271.66	173.23
360.0	896.86	847.35	766.53	683.66	575.04	481.82	386.89	277.75	198.22
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	133.78	97.97	85.15	78.48	73.56	68.41	62.50	58.58	54.84
45.0	300.86	132.96	98.73	87.84	80.59	73.97	69.06	64.49	60.40
90.0	136.59	102.06	87.43	80.41	75.20	69.35	64.55	60.28	55.25
135.0	296.18	198.98	102.59	85.68	79.06	74.27	68.06	63.32	59.22
180.0	303.79	124.83	93.93	81.93	76.25	71.22	64.78	60.63	56.88
225.0	117.92	90.42	81.58	74.21	69.06	64.14	59.99	55.48	52.03
270.0	295.01	113.53	89.71	81.81	75.90	69.64	64.67	60.45	55.89
315.0	116.81	90.01	81.87	74.50	69.82	64.78	60.75	55.83	52.49
360.0	133.78	97.97	85.15	78.48	73.56	68.41	62.50	58.58	54.84

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	50.56	47.64	44.89	42.31	40.20	38.62	36.99	36.05	35.11
45.0	55.42	52.03	48.69	45.35	43.01	40.32	38.68	37.28	36.23
90.0	52.03	48.81	46.12	43.07	40.97	39.44	37.63	36.75	35.87
135.0	54.89	51.44	48.63	45.88	43.77	41.49	40.03	38.57	37.28
180.0	53.37	49.69	47.05	44.89	42.72	40.56	39.15	37.98	36.58
225.0	49.28	46.64	43.95	42.02	40.50	38.62	37.57	36.40	35.58
270.0	52.26	48.63	46.12	44.01	41.55	40.03	38.57	37.40	36.17
315.0	48.81	46.12	43.89	41.32	39.80	38.27	37.16	35.87	35.00
360.0	50.56	47.64	44.89	42.31	40.20	38.62	36.99	36.05	35.11
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.59	33.65	33.18	32.01	31.13	29.50	28.32	26.22	24.87
45.0	35.17	34.65	33.94	33.18	32.19	31.37	30.31	28.91	27.15
90.0	35.00	34.00	33.36	32.36	31.54	30.20	28.50	26.98	25.46
135.0	36.28	35.70	34.59	33.77	32.25	31.43	29.79	28.73	26.51
180.0	35.82	34.65	33.83	32.60	31.66	29.90	28.79	27.10	25.63
225.0	34.47	33.77	32.54	31.43	29.90	28.73	26.51	25.22	23.35
270.0	35.41	34.53	33.65	32.54	31.49	29.85	28.38	26.63	25.40
315.0	34.18	33.53	32.19	31.43	30.02	28.62	27.10	25.57	23.82
360.0	34.59	33.65	33.18	32.01	31.13	29.50	28.32	26.22	24.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.23	21.59	20.13	18.96	17.85	17.03	16.44	15.92	15.39
45.0	25.46	23.99	22.06	20.78	19.14	18.32	17.32	16.50	15.92
90.0	23.99	22.06	20.83	19.49	18.61	17.44	16.85	16.33	16.04
135.0	25.16	23.53	22.30	20.48	19.55	18.67	17.56	17.03	16.56
180.0	23.58	22.24	20.83	19.49	18.38	17.44	16.68	16.15	15.68
225.0	21.77	20.13	19.14	17.85	17.09	16.50	15.80	15.39	14.98
270.0	23.12	22.00	20.48	19.14	18.14	17.32	16.68	16.04	15.57
315.0	22.18	20.78	19.49	18.55	17.62	16.85	16.27	15.92	15.45
360.0	23.23	21.59	20.13	18.96	17.85	17.03	16.44	15.92	15.39
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.04	14.69	14.40	13.99	13.87	13.99	14.10	14.34	14.10
45.0	15.45	15.10	14.57	14.28	13.99	13.64	13.23	12.93	12.64
90.0	16.21	16.68	17.09	17.50	17.56	17.56	17.26	16.74	15.92
135.0	16.39	17.03	17.79	18.67	19.02	19.25	19.43	18.55	16.50
180.0	15.22	14.81	14.46	13.99	13.64	13.28	12.93	12.52	12.23
225.0	14.63	14.22	13.87	13.52	13.17	12.82	12.52	12.17	11.82
270.0	15.22	14.81	14.34	14.05	13.75	13.69	13.87	14.10	14.10
315.0	15.10	14.75	14.40	14.10	14.05	14.16	14.57	14.51	14.05
360.0	15.04	14.69	14.40	13.99	13.87	13.99	14.10	14.34	14.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.87	11.65	11.24	10.94	10.71	10.42	10.07	9.83	9.66
45.0	12.29	12.00	11.53	11.24	10.89	10.65	10.30	10.01	9.83
90.0	13.64	11.76	11.35	11.00	10.71	10.36	10.07	9.83	9.66
135.0	14.16	12.52	11.65	11.24	11.00	10.48	10.18	9.95	9.71
180.0	11.94	11.53	11.24	10.94	10.53	10.24	9.95	9.66	9.48
225.0	11.53	11.12	10.83	10.53	10.18	9.95	9.71	9.48	9.54
270.0	13.52	12.00	11.18	10.89	10.65	10.24	9.89	9.71	9.48
315.0	12.23	11.35	10.94	10.65	10.48	10.12	9.83	9.60	9.54
360.0	12.87	11.65	11.24	10.94	10.71	10.42	10.07	9.83	9.66

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.60
90.0	9.48
135.0	9.48
180.0	9.54
225.0	9.54
270.0	9.54
315.0	9.60
360.0	9.60