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## Nata

Client:

LumCAT: 2-2751-L

Luminaire: 92.70.411.00

Report No: 2024912-B011

Ballast type: AC

Test No: 2024912-C011

Voltage(V): 36.800

LampCAT: NICHIA NFCWJ130B-V3

Current(A): 0.580

Lamp flux(lm): 2826.0

Power (W): 21.160

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

Lumens(lm): 2648.49, Efficiency(%): 93.72% , Luminous Efficacy(lm/W): 125.17

Central intensity(cd): 12432.270, Maximum intensity(cd): 12432.270

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

Beam Angle(50%Imax): [C0/180]Total=19.2

[C90/270]Total=19.2

Field angle(10%Imax): [C0/180]Total=49.6

[C90/270]Total=49.6

Maximum s/h(1/2): C0\_180=0.33 C90\_270=0.33

Maximum s/h(1/4): C0\_180=0.36 C90\_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.72%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.868%

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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2024/9/12  
Humidity(%): 60.0%

Operator: NT  
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12432.266	0.000	0	0.00%	0.00%
1.0	12241.892	11.806	11.806	0.42%	0.45%
2.0	11933.120	34.698	46.504	1.23%	1.76%
3.0	11503.513	56.053	102.557	1.98%	3.87%
4.0	10879.169	74.922	177.479	2.65%	6.70%
5.0	10319.228	91.194	268.674	3.23%	10.14%
6.0	9446.789	103.876	372.549	3.68%	14.07%
7.0	8536.656	111.623	484.172	3.95%	18.28%
8.0	7626.392	115.676	599.848	4.09%	22.65%
9.0	6709.583	116.185	716.033	4.11%	27.04%
10.0	5856.212	113.716	829.749	4.02%	31.33%
11.0	5226.690	110.741	940.49	3.92%	35.51%
12.0	4527.872	106.631	1047.121	3.77%	39.54%
13.0	3990.834	101.096	1148.217	3.58%	43.35%
14.0	3511.116	96.024	1244.241	3.40%	46.98%
15.0	3093.244	90.668	1334.909	3.21%	50.40%
16.0	2815.990	86.587	1421.496	3.06%	53.67%
17.0	2596.745	84.291	1505.786	2.98%	56.85%
18.0	2330.976	81.247	1587.034	2.87%	59.92%
19.0	2074.754	76.651	1663.685	2.71%	62.82%
20.0	1886.218	72.497	1736.181	2.57%	65.55%
21.0	1726.658	69.375	1805.556	2.45%	68.17%
22.0	1597.887	66.808	1872.364	2.36%	70.70%
23.0	1475.449	64.487	1936.851	2.28%	73.13%
24.0	1325.423	61.237	1998.088	2.17%	75.44%
25.0	1227.906	58.057	2056.145	2.05%	77.63%
26.0	1151.119	56.157	2112.302	1.99%	79.75%
27.0	1052.380	53.909	2166.211	1.91%	81.79%
28.0	959.949	50.948	2217.159	1.80%	83.71%
29.0	861.959	47.666	2264.826	1.69%	85.51%
30.0	752.498	43.590	2308.416	1.54%	87.16%
31.0	655.362	39.179	2347.594	1.39%	88.64%
32.0	558.562	34.778	2382.372	1.23%	89.95%
33.0	469.889	30.299	2412.67	1.07%	91.10%
34.0	395.119	26.178	2438.848	0.93%	92.08%
35.0	332.740	22.605	2461.453	0.80%	92.94%
36.0	284.357	19.648	2481.101	0.70%	93.68%
37.0	248.378	17.375	2498.476	0.61%	94.34%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	208.410	15.247	2513.723	0.54%	94.91%
39.0	173.640	13.040	2526.763	0.46%	95.40%
40.0	139.619	10.925	2537.689	0.39%	95.82%
41.0	116.032	9.104	2546.792	0.32%	96.16%
42.0	97.313	7.751	2554.543	0.27%	96.45%
43.0	83.312	6.691	2561.234	0.24%	96.71%
44.0	70.230	5.795	2567.029	0.21%	96.92%
45.0	60.716	5.032	2572.062	0.18%	97.11%
46.0	53.515	4.467	2576.529	0.16%	97.28%
47.0	47.865	4.032	2580.561	0.14%	97.44%
48.0	43.410	3.690	2584.251	0.13%	97.57%
49.0	39.770	3.416	2587.667	0.12%	97.70%
50.0	37.260	3.212	2590.879	0.11%	97.82%
51.0	35.039	3.059	2593.938	0.11%	97.94%
52.0	33.371	2.936	2596.873	0.10%	98.05%
53.0	31.958	2.842	2599.715	0.10%	98.16%
54.0	30.926	2.772	2602.487	0.10%	98.26%
55.0	30.158	2.727	2605.213	0.10%	98.37%
56.0	29.593	2.700	2607.913	0.10%	98.47%
57.0	29.146	2.686	2610.599	0.10%	98.57%
58.0	28.620	2.671	2613.27	0.09%	98.67%
59.0	27.930	2.644	2615.914	0.09%	98.77%
60.0	27.142	2.602	2618.516	0.09%	98.87%
61.0	25.959	2.534	2621.05	0.09%	98.96%
62.0	24.369	2.425	2623.475	0.09%	99.06%
63.0	22.431	2.276	2625.751	0.08%	99.14%
64.0	20.375	2.100	2627.852	0.07%	99.22%
65.0	18.200	1.909	2629.761	0.07%	99.29%
66.0	16.222	1.717	2631.478	0.06%	99.36%
67.0	14.750	1.557	2633.035	0.06%	99.42%
68.0	13.298	1.421	2634.456	0.05%	99.47%
69.0	12.096	1.295	2635.752	0.05%	99.52%
70.0	11.222	1.198	2636.949	0.04%	99.56%
71.0	10.453	1.120	2638.07	0.04%	99.61%
72.0	9.816	1.054	2639.124	0.04%	99.65%
73.0	9.113	0.990	2640.113	0.04%	99.68%
74.0	8.397	0.921	2641.034	0.03%	99.72%
75.0	7.819	0.857	2641.891	0.03%	99.75%

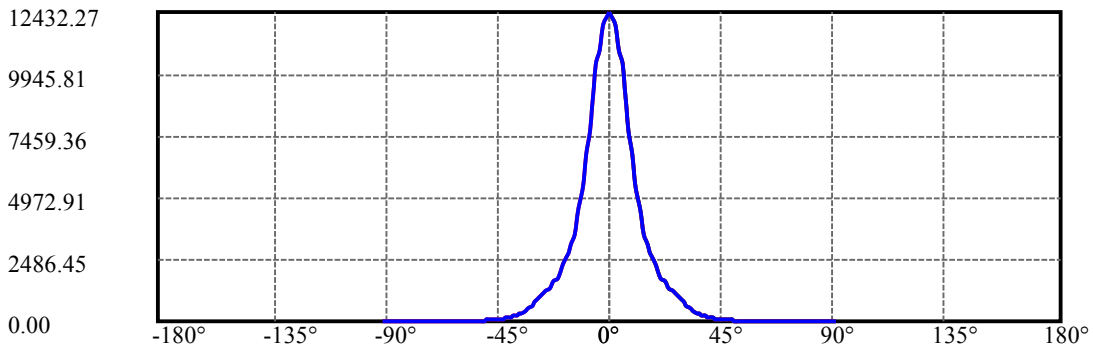
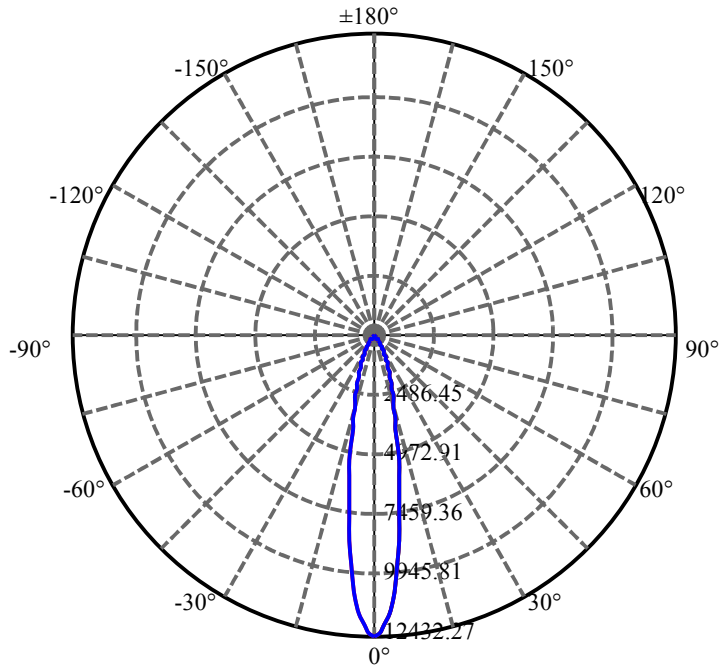
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.254	0.800	2642.691	0.03%	99.78%
77.0	6.735	0.746	2643.437	0.03%	99.81%
78.0	6.196	0.692	2644.129	0.02%	99.84%
79.0	5.650	0.636	2644.765	0.02%	99.86%
80.0	5.145	0.582	2645.347	0.02%	99.88%
81.0	4.599	0.527	2645.874	0.02%	99.90%
82.0	4.113	0.472	2646.347	0.02%	99.92%
83.0	3.620	0.420	2646.767	0.01%	99.93%
84.0	3.154	0.369	2647.136	0.01%	99.95%
85.0	2.714	0.320	2647.456	0.01%	99.96%
86.0	2.365	0.278	2647.734	0.01%	99.97%
87.0	2.017	0.240	2647.974	0.01%	99.98%
88.0	1.702	0.204	2648.177	0.01%	99.99%
89.0	1.419	0.171	2648.349	0.01%	99.99%
90.0	1.248	0.146	2648.495	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2308.42	81.68%	87.16%
0-40	2537.69	89.80%	95.82%
0-60	2618.52	92.66%	98.87%
0-90	2648.35	93.71%	99.99%
0-120	2648.35	93.71%	99.99%
0-180	2648.49	93.72%	100.00%
60-90	29.83	1.06%	1.13%
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%
0-26.12	2118.80	74.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	829.75
10-20	906.43
20-30	572.23
30-40	229.27
40-50	53.19
50-60	27.64
60-70	18.43
70-80	8.40
80-90	3.00
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



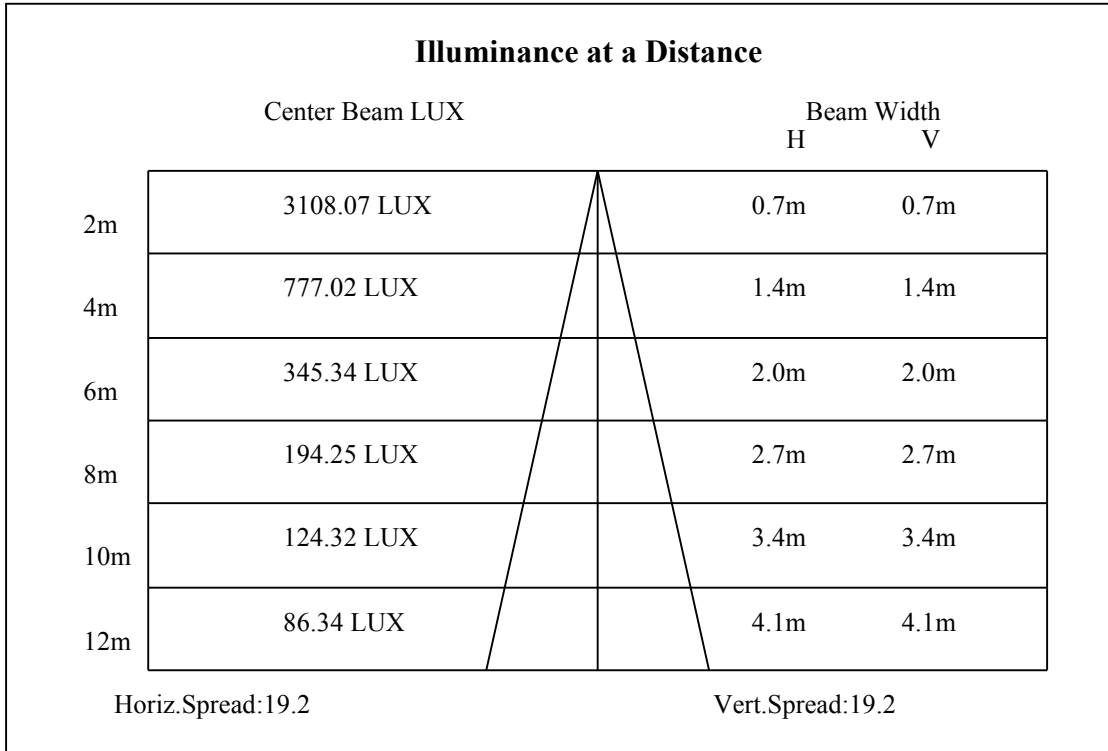
C0(Max): ———

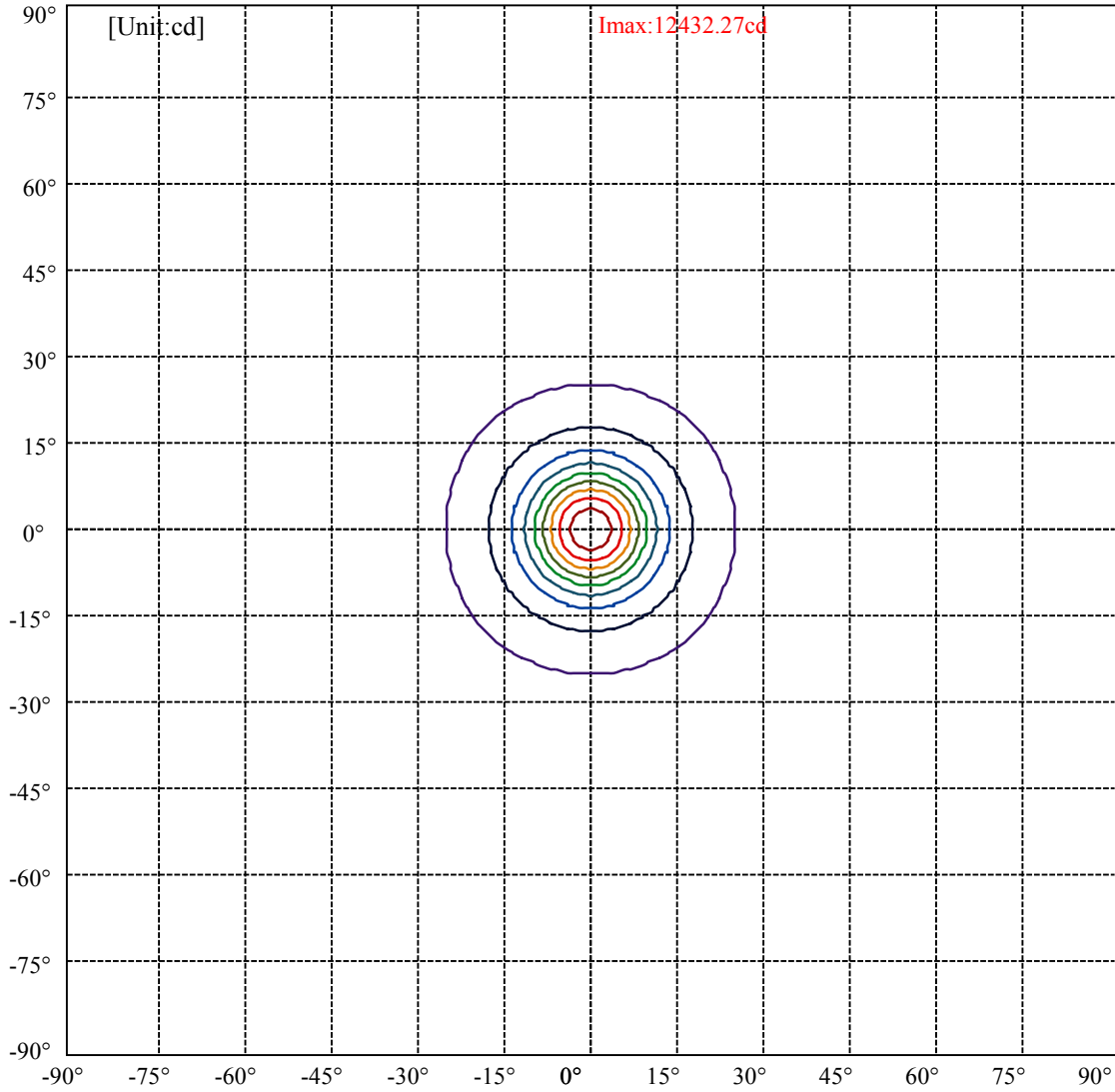
C0/C180: ———

C90/C270: ———

Field angle(10%Imax):C0/180Left:24.8 Right:24.8  
:C90/270Left:24.8 Right:24.8

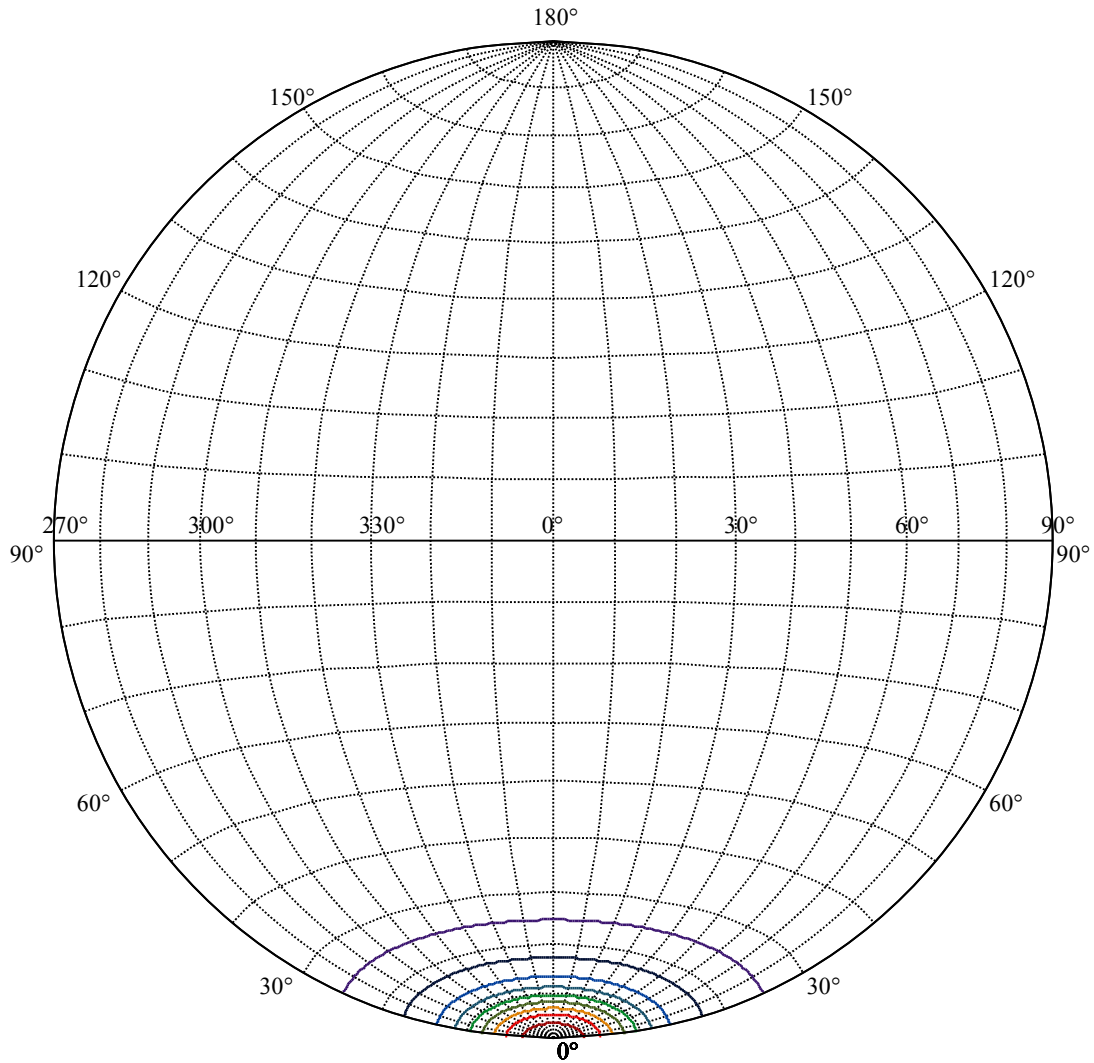
Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6  
:C90/270Left:9.6 Right:9.6





(10%Imax) 1243.23	—
(20%Imax) 2486.45	—
(30%Imax) 3729.68	—
(40%Imax) 4972.91	—
(50%Imax) 6216.13	—
(60%Imax) 7459.36	—
(70%Imax) 8702.59	—
(80%Imax) 9945.81	—
(90%Imax) 11189	—





House

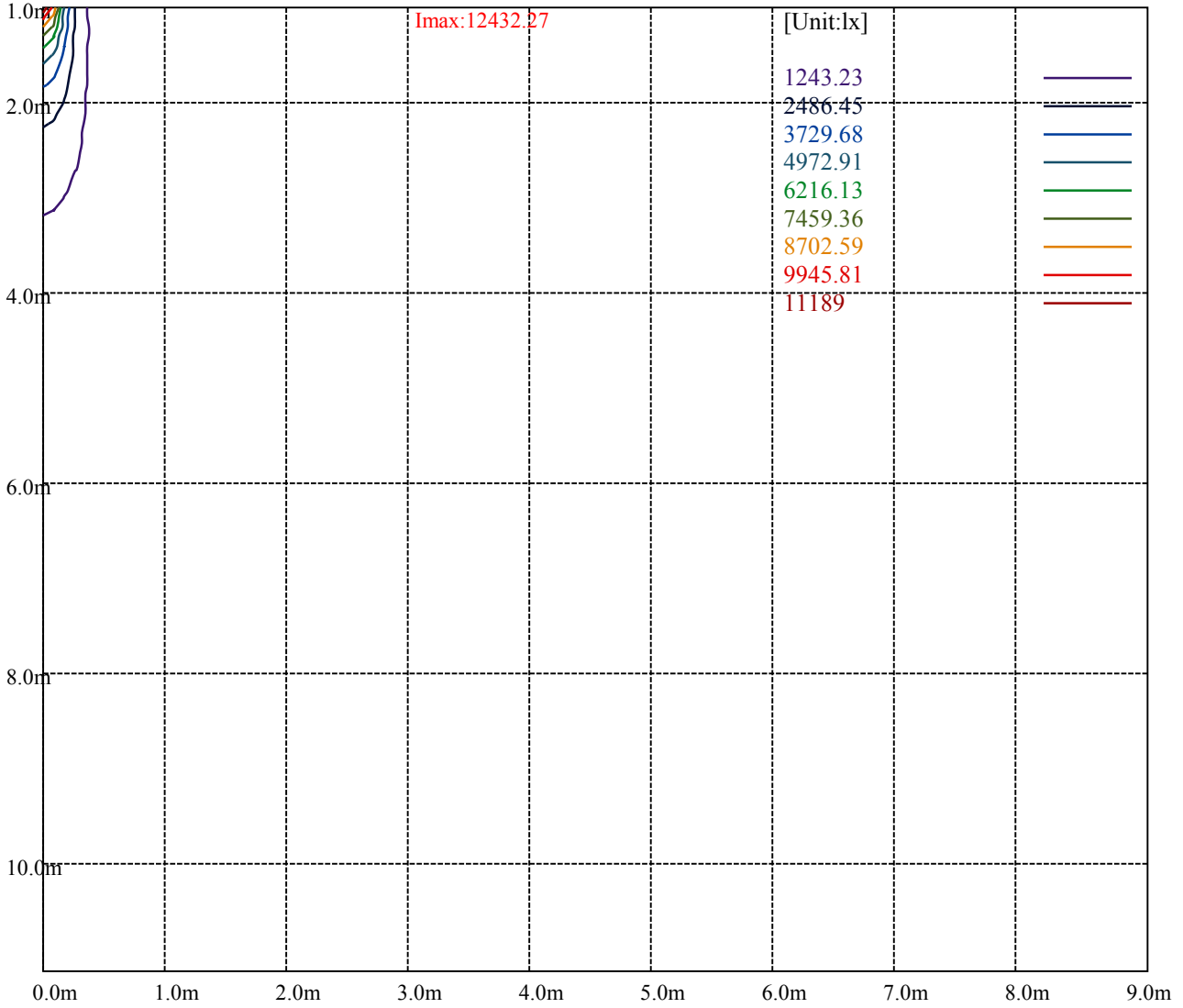
[Unit:cd]

Road

**Imax:12432.27**

(10%Imax) 1243.23	—
(20%Imax) 2486.45	—
(30%Imax) 3729.68	—
(40%Imax) 4972.91	—
(50%Imax) 6216.13	—
(60%Imax) 7459.36	—
(70%Imax) 8702.59	—
(80%Imax) 9945.81	—
(90%Imax) 11189	—





Luminance Table

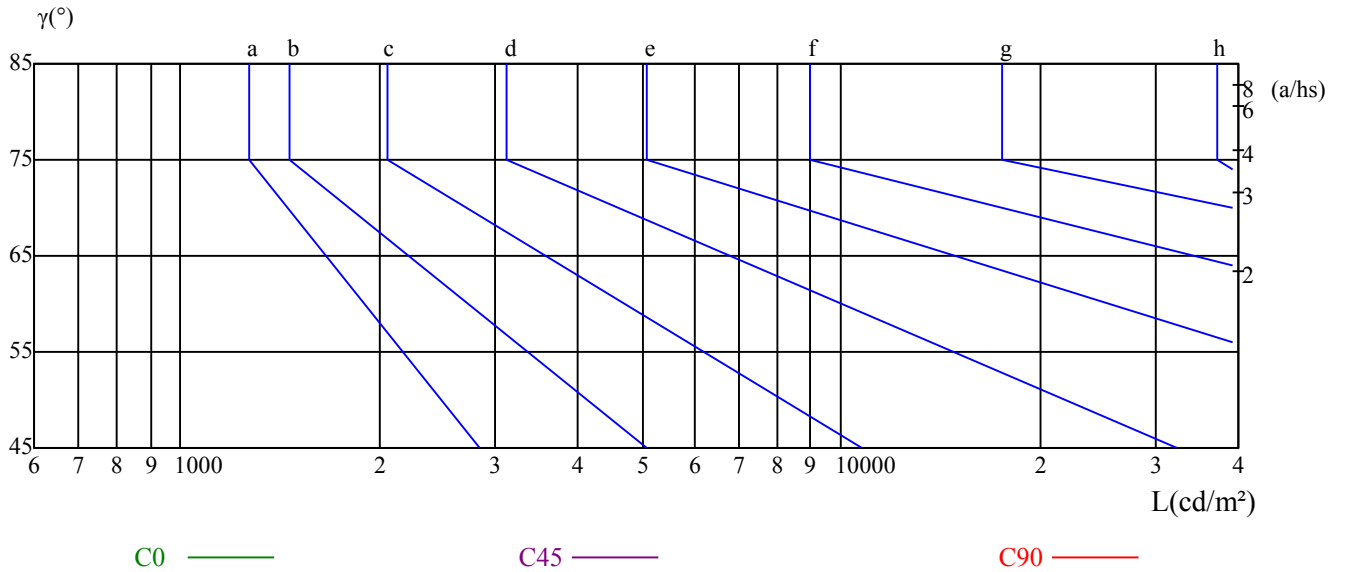
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

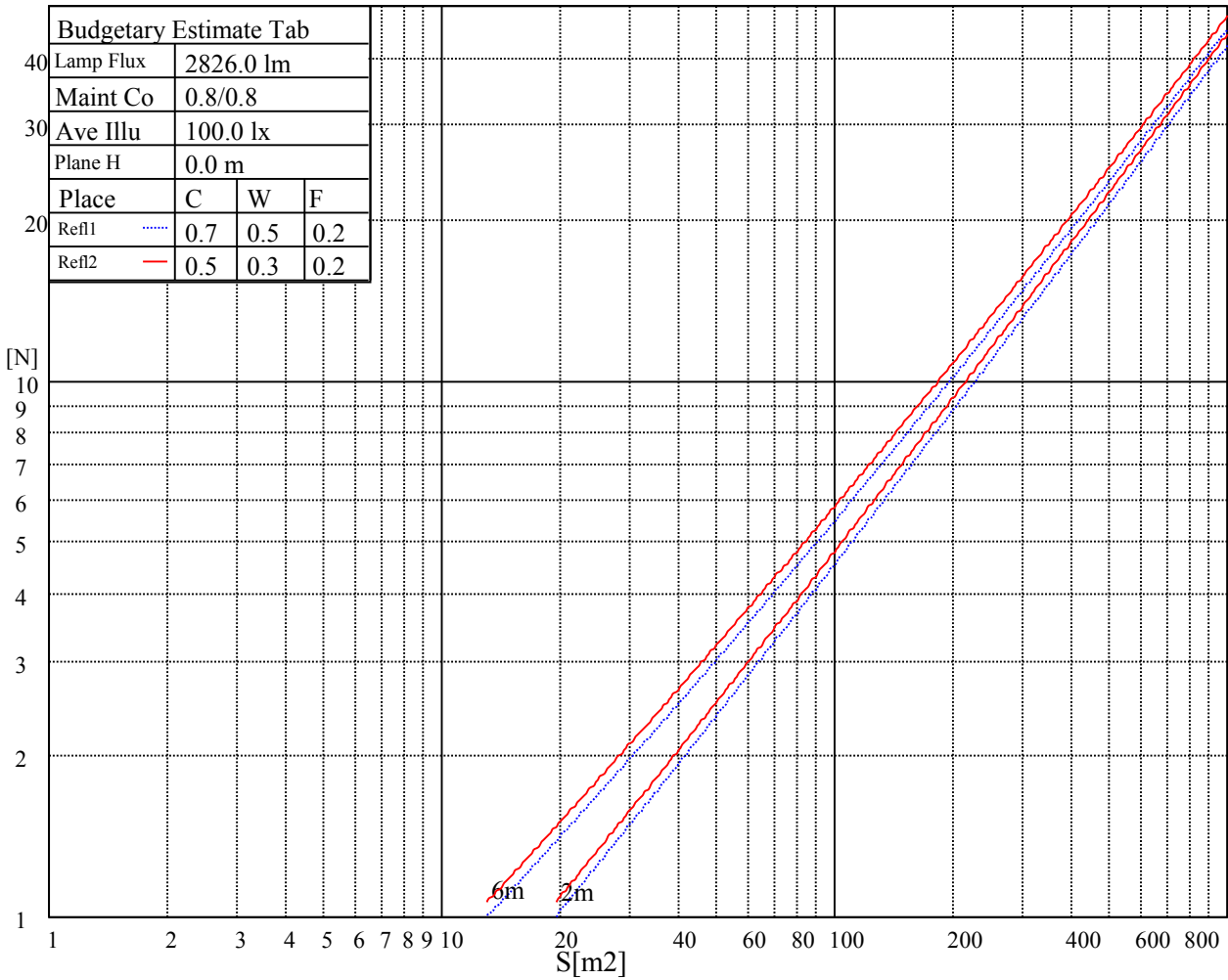
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

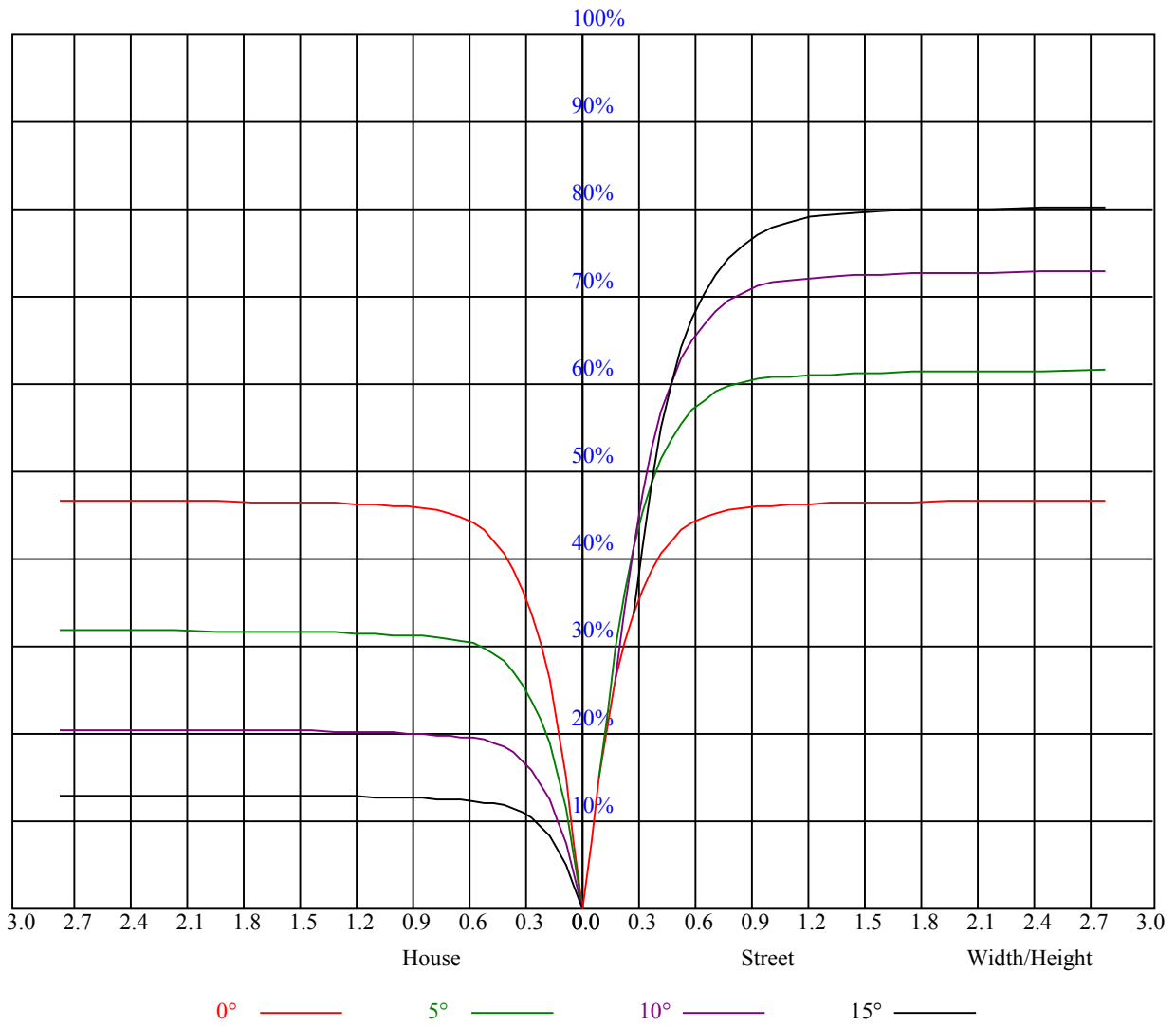


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

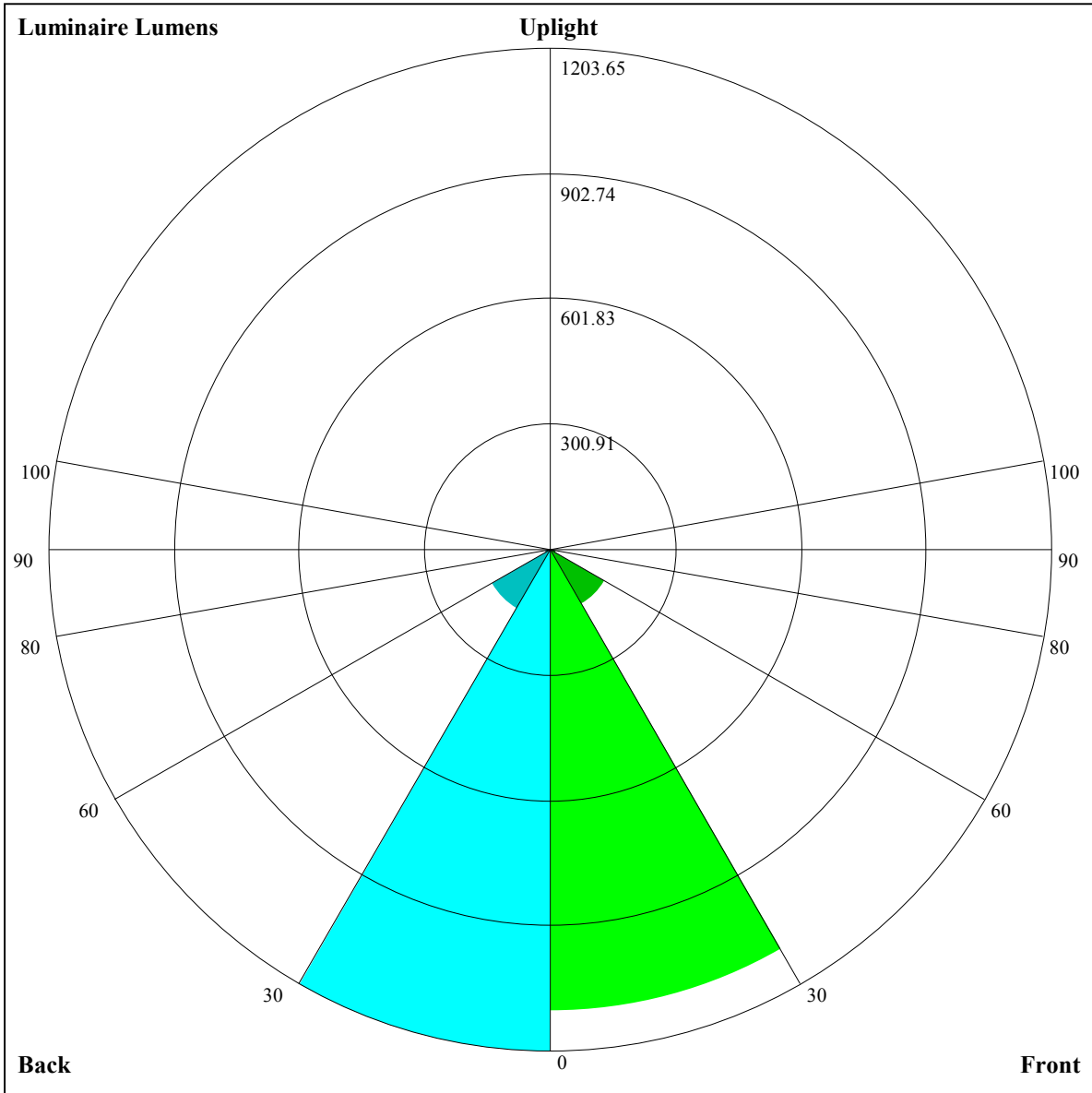
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.67	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63







Luminaire Lumens:

FL=1110.08,FM=150.33,FH=13.21,FVH=1.58

BL=1203.65,BM=164.5,BH=13.52,BVH=1.58

UL=0,UH=0

BUG Rating:B3-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	12350.09	12082.65	10941.30	10792.55	9969.58	9028.56	8073.60	7317.54	6220.46
45.0	12556.24	12350.09	11971.21	11425.20	10706.46	9881.86	8956.97	8009.79	7079.33
90.0	12288.80	11049.95	10746.30	10585.82	9702.14	8944.98	7800.59	7074.02	6209.31
135.0	12533.95	12428.09	12199.65	11653.63	11012.90	10405.59	9536.41	8583.67	7625.35
180.0	12350.09	12500.52	12472.66	12260.94	11865.35	11297.05	10868.03	9697.99	8756.39
225.0	12556.24	12550.66	12372.37	12088.22	10911.76	10911.76	10086.06	9165.64	8191.13
270.0	12288.80	12522.81	12572.95	12416.94	12060.36	11770.64	10879.18	10049.00	9502.98
315.0	12533.95	12450.37	12188.51	10804.80	10804.80	10313.39	9373.47	8395.60	7426.19
360.0	12350.09	12082.65	10941.30	10792.55	9969.58	9028.56	8073.60	7317.54	6220.46
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5418.72	4834.23	4212.46	3695.93	3271.38	2911.49	2603.89	2341.50	2123.63
45.0	6215.73	5430.13	4739.25	4165.37	3675.06	3257.19	2900.61	2833.75	2833.75
90.0	5281.64	4743.40	4164.53	3664.76	3246.89	2894.20	2590.54	2338.72	2128.68
135.0	6694.89	5842.43	5090.26	4449.52	3903.50	3441.06	3051.04	2844.89	2844.89
180.0	8171.37	6828.60	6288.16	5452.41	4728.10	4120.79	3624.92	3195.91	2844.89
225.0	7227.82	6325.21	5493.36	4762.37	4155.59	3655.83	3232.96	2870.23	2554.33
270.0	8165.79	7201.90	6644.74	5775.57	5012.25	4349.23	3803.21	3357.48	2978.61
315.0	6500.72	5643.79	5180.77	4257.04	3933.88	3459.14	2938.77	2745.44	2465.18
360.0	5418.72	4834.23	4212.46	3695.93	3271.38	2911.49	2603.89	2341.50	2123.63
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1943.13	1784.34	1646.73	1523.58	1410.46	1307.39	1067.60	1067.60	1005.73
45.0	2212.25	2016.09	1844.52	1695.19	1560.37	1440.58	1328.57	1222.71	1119.63
90.0	1953.17	1799.95	1662.87	1540.29	1424.97	1315.22	1060.13	1060.13	1040.58
135.0	2219.45	2099.14	1918.58	1706.86	1628.86	1505.18	1388.18	1284.57	1179.82
180.0	2844.89	2267.97	2067.91	1901.87	1755.90	1626.07	1506.86	1397.11	1334.14
225.0	2392.17	2071.28	1957.06	1786.55	1636.69	1503.50	1380.40	1236.64	1087.10
270.0	2850.46	2532.04	2127.52	1944.81	1784.86	1645.05	1521.37	1450.04	1337.51
315.0	2232.28	2027.23	1864.55	1714.12	1580.97	1460.61	1350.28	1104.44	1104.44
360.0	1943.13	1784.34	1646.73	1523.58	1410.46	1307.39	1067.60	1067.60	1005.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	944.92	841.74	736.19	631.01	532.20	443.00	369.78	312.48	263.86
45.0	1016.56	913.48	810.41	707.91	606.47	513.43	430.43	374.72	306.18
90.0	936.77	831.28	724.78	617.45	516.85	430.85	361.37	305.07	256.29
135.0	1078.95	976.45	872.80	768.62	663.34	561.89	467.75	389.17	326.26
180.0	1190.38	1088.41	1028.28	922.94	816.56	709.02	599.27	500.08	414.82
225.0	1046.20	946.49	845.68	744.23	643.52	546.76	457.98	382.29	344.13
270.0	1185.39	1123.52	1021.03	918.48	817.66	719.06	619.29	522.37	436.01
315.0	1019.87	958.21	856.51	709.33	646.31	544.49	453.25	374.77	314.38
360.0	944.92	841.74	736.19	631.01	532.20	443.00	369.78	312.48	263.86
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	222.81	187.91	157.32	131.83	110.43	92.77	78.06	68.59	57.56
45.0	286.10	286.10	188.54	157.79	132.19	110.96	93.61	79.47	68.02
90.0	216.03	181.03	151.75	127.41	107.23	90.99	77.58	66.96	58.55
135.0	283.31	283.31	197.11	163.15	134.93	111.91	93.04	77.53	65.23
180.0	346.28	289.46	289.46	198.58	163.84	135.03	111.70	96.66	80.84
225.0	289.83	227.44	205.10	171.93	143.81	120.37	100.97	85.41	72.85
270.0	365.26	307.86	287.78	277.74	188.91	151.96	127.04	110.38	89.62
315.0	265.23	223.92	190.22	160.68	135.61	114.27	96.50	81.47	69.17
360.0	222.81	187.91	157.32	131.83	110.43	92.77	78.06	68.59	57.56

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	52.09	46.89	42.37	40.05	37.42	35.32	33.75	32.33	31.06
45.0	59.34	52.93	47.67	45.36	40.53	38.11	36.79	35.22	33.53
90.0	51.93	47.52	43.15	39.42	36.37	34.38	32.96	31.64	30.80
135.0	55.77	48.62	43.00	38.95	35.90	33.48	31.33	30.12	28.86
180.0	65.91	58.24	50.99	45.20	40.95	37.95	35.22	32.90	31.43
225.0	62.71	55.03	49.30	44.52	41.21	38.48	35.95	34.11	32.85
270.0	78.37	66.75	57.77	51.30	46.31	42.63	39.84	37.21	35.11
315.0	59.61	52.14	48.67	42.47	39.47	37.74	34.48	33.43	32.01
360.0	52.09	46.89	42.37	40.05	37.42	35.32	33.75	32.33	31.06
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.64	30.12	29.44	29.01	28.80	27.81	26.54	25.07	22.71
45.0	32.43	31.59	31.06	30.33	29.80	28.70	27.44	25.86	23.97
90.0	30.33	29.86	29.22	28.65	27.70	25.91	24.07	21.97	19.34
135.0	27.91	27.70	27.60	27.23	27.12	27.02	26.65	25.70	24.55
180.0	30.17	28.96	28.33	28.17	27.75	27.49	27.49	27.07	26.44
225.0	31.70	30.85	30.38	30.12	29.12	28.65	28.02	26.86	25.18
270.0	33.64	32.48	31.48	30.85	30.33	29.70	29.07	28.28	27.07
315.0	30.59	29.70	29.22	28.80	28.33	28.17	27.86	26.86	25.70
360.0	30.64	30.12	29.44	29.01	28.80	27.81	26.54	25.07	22.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.13	18.03	15.93	14.35	13.56	12.09	11.56	11.04	10.83
45.0	21.39	19.03	17.14	15.19	13.88	12.67	11.72	11.14	10.25
90.0	17.19	15.35	13.82	12.56	12.04	11.14	10.04	9.57	8.94
135.0	22.86	20.39	18.19	16.14	14.19	12.83	11.67	10.72	9.93
180.0	24.97	23.18	21.55	18.29	17.14	14.98	13.40	12.19	11.14
225.0	23.34	20.92	18.40	16.40	14.56	13.25	12.09	11.04	10.20
270.0	25.39	24.39	21.18	19.61	17.50	15.51	13.88	12.67	11.67
315.0	24.18	21.71	19.40	17.24	15.14	13.93	12.40	11.41	10.67
360.0	20.13	18.03	15.93	14.35	13.56	12.09	11.56	11.04	10.83
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.88	9.67	8.04	7.41	6.89	6.36	5.78	5.15	4.68
45.0	9.72	9.15	8.62	8.09	7.52	6.89	6.36	5.73	5.10
90.0	8.41	7.78	7.31	6.78	6.36	5.73	5.15	4.68	4.15
135.0	9.25	8.62	8.04	7.52	6.94	6.62	5.99	5.57	5.10
180.0	10.25	9.51	8.83	8.20	7.57	7.04	6.57	6.04	5.52
225.0	9.51	8.88	8.25	7.78	7.15	6.68	6.20	5.62	5.15
270.0	10.72	9.93	9.30	8.67	8.04	7.52	6.99	6.52	5.99
315.0	9.78	9.36	8.78	8.09	7.57	7.04	6.52	5.89	5.47
360.0	10.88	9.67	8.04	7.41	6.89	6.36	5.78	5.15	4.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.21	3.78	3.31	2.94	2.63	2.31	2.05	1.73	1.42
45.0	4.57	4.05	3.42	2.94	2.52	2.16	1.84	1.37	1.16
90.0	3.68	3.21	2.79	2.37	2.05	1.79	1.47	1.16	1.05
135.0	4.36	3.94	3.47	3.00	2.47	2.21	1.84	1.58	1.21
180.0	4.99	4.57	3.89	3.47	3.00	2.52	2.16	1.84	1.52
225.0	4.63	4.10	3.78	3.21	2.73	2.26	1.94	1.68	1.37
270.0	5.41	4.94	4.31	3.84	3.31	2.89	2.47	2.16	1.84
315.0	4.94	4.31	3.99	3.47	3.00	2.79	2.37	2.10	1.79
360.0	4.21	3.78	3.31	2.94	2.63	2.31	2.05	1.73	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.42
45.0	1.16
90.0	1.00
135.0	0.95
180.0	1.26
225.0	1.16
270.0	1.52
315.0	1.52
360.0	1.42