



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

NT

Client:

LumCAT: 1-1207-L

Luminaire: 92.70.428.00

Report No: 2024618-B013

Ballast type: AC

Test No: 2024718-C013

Voltage(V): 36.780

LampCAT: CREE CXA1507 LES8.9

Current(A): 0.271

Lamp flux(lm): 1110.0

Power (W): 9.967

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1023.44, Efficiency(%): 92.20% , Luminous Efficacy(lm/W): 102.68

Central intensity(cd): 3424.942, Maximum intensity(cd): 3424.942

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=27.0

[C90/270]Total=27.0

Field angle(10%Imax): [C0/180]Total=57.2

[C90/270]Total=57.2

Maximum s/h(1/2): C0_180=0.46 C90_270=0.46

Maximum s/h(1/4): C0_180=0.46 C90_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.091%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/18
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	3424.942	0.000	0	0.00%	0.00%
1.0	3414.700	3.273	3.273	0.29%	0.32%
2.0	3387.780	9.764	13.036	0.88%	1.27%
3.0	3342.791	16.097	29.134	1.45%	2.85%
4.0	3275.929	22.155	51.288	2.00%	5.01%
5.0	3180.098	27.773	79.062	2.50%	7.73%
6.0	3076.513	32.880	111.942	2.96%	10.94%
7.0	2942.424	37.359	149.302	3.37%	14.59%
8.0	2788.144	41.013	190.314	3.69%	18.60%
9.0	2615.575	43.794	234.108	3.95%	22.87%
10.0	2440.666	45.757	279.865	4.12%	27.35%
11.0	2254.638	46.916	326.781	4.23%	31.93%
12.0	2051.638	47.074	373.855	4.24%	36.53%
13.0	1817.987	45.923	419.778	4.14%	41.02%
14.0	1587.335	43.588	463.365	3.93%	45.28%
15.0	1417.971	41.258	504.624	3.72%	49.31%
16.0	1259.038	39.226	543.849	3.53%	53.14%
17.0	1112.425	36.930	580.779	3.33%	56.75%
18.0	974.656	34.411	615.191	3.10%	60.11%
19.0	858.093	31.886	647.077	2.87%	63.23%
20.0	771.926	29.834	676.911	2.69%	66.14%
21.0	685.811	27.992	704.902	2.52%	68.88%
22.0	622.789	26.297	731.199	2.37%	71.44%
23.0	572.811	25.087	756.286	2.26%	73.90%
24.0	527.529	24.057	780.343	2.17%	76.25%
25.0	486.461	23.056	803.399	2.08%	78.50%
26.0	444.493	21.975	825.375	1.98%	80.65%
27.0	404.347	20.767	846.142	1.87%	82.68%
28.0	366.965	19.528	865.67	1.76%	84.58%
29.0	322.583	18.041	883.71	1.63%	86.35%
30.0	283.856	16.374	900.084	1.48%	87.95%
31.0	254.639	14.986	915.07	1.35%	89.41%
32.0	209.884	13.308	928.378	1.20%	90.71%
33.0	178.377	11.438	939.816	1.03%	91.83%
34.0	132.239	9.400	949.216	0.85%	92.75%
35.0	106.906	7.427	956.643	0.67%	93.47%
36.0	84.133	6.083	962.726	0.55%	94.07%
37.0	67.447	4.944	967.669	0.45%	94.55%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	53.402	4.034	971.703	0.36%	94.94%
39.0	42.817	3.284	974.987	0.30%	95.27%
40.0	36.182	2.755	977.743	0.25%	95.53%
41.0	31.134	2.397	980.14	0.22%	95.77%
42.0	27.132	2.117	982.257	0.19%	95.98%
43.0	24.316	1.906	984.162	0.17%	96.16%
44.0	21.953	1.746	985.909	0.16%	96.33%
45.0	20.059	1.615	987.523	0.15%	96.49%
46.0	18.398	1.504	989.027	0.14%	96.64%
47.0	16.891	1.404	990.431	0.13%	96.77%
48.0	15.684	1.317	991.748	0.12%	96.90%
49.0	14.631	1.245	992.992	0.11%	97.02%
50.0	13.672	1.180	994.172	0.11%	97.14%
51.0	12.824	1.121	995.293	0.10%	97.25%
52.0	12.187	1.073	996.367	0.10%	97.35%
53.0	11.587	1.034	997.401	0.09%	97.46%
54.0	11.156	1.002	998.403	0.09%	97.55%
55.0	10.673	0.974	999.378	0.09%	97.65%
56.0	10.271	0.946	1000.324	0.09%	97.74%
57.0	9.949	0.924	1001.249	0.08%	97.83%
58.0	9.649	0.906	1002.155	0.08%	97.92%
59.0	9.312	0.886	1003.041	0.08%	98.01%
60.0	9.064	0.868	1003.91	0.08%	98.09%
61.0	8.764	0.851	1004.76	0.08%	98.17%
62.0	8.515	0.833	1005.593	0.08%	98.26%
63.0	8.244	0.815	1006.408	0.07%	98.34%
64.0	8.025	0.798	1007.206	0.07%	98.41%
65.0	7.813	0.784	1007.99	0.07%	98.49%
66.0	7.593	0.769	1008.759	0.07%	98.57%
67.0	7.374	0.753	1009.511	0.07%	98.64%
68.0	7.169	0.737	1010.248	0.07%	98.71%
69.0	6.971	0.721	1010.969	0.06%	98.78%
70.0	6.803	0.707	1011.677	0.06%	98.85%
71.0	6.635	0.695	1012.371	0.06%	98.92%
72.0	6.481	0.682	1013.053	0.06%	98.98%
73.0	6.335	0.670	1013.724	0.06%	99.05%
74.0	6.189	0.658	1014.382	0.06%	99.11%
75.0	6.028	0.645	1015.028	0.06%	99.18%

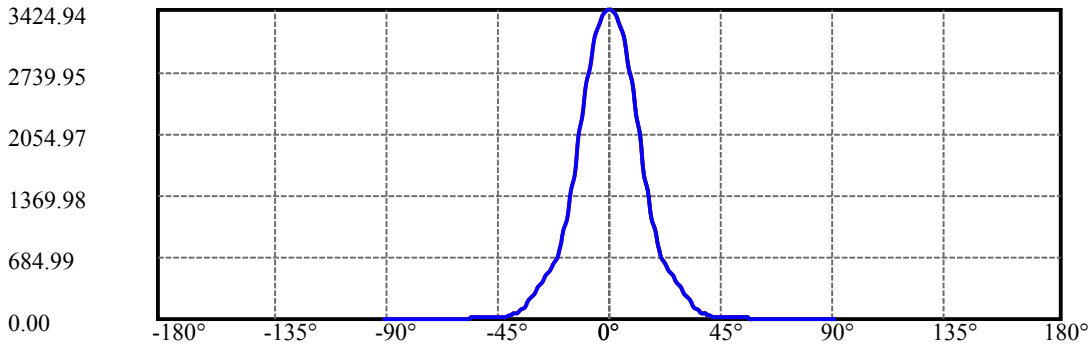
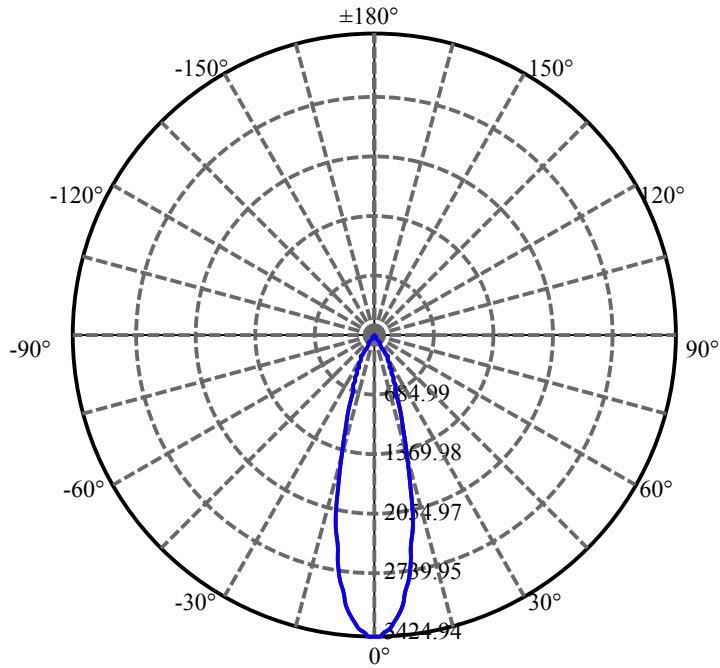
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.882	0.632	1015.66	0.06%	99.24%
77.0	5.764	0.621	1016.281	0.06%	99.30%
78.0	5.640	0.610	1016.891	0.05%	99.36%
79.0	5.538	0.601	1017.492	0.05%	99.42%
80.0	5.399	0.590	1018.081	0.05%	99.48%
81.0	5.318	0.580	1018.661	0.05%	99.53%
82.0	5.216	0.571	1019.232	0.05%	99.59%
83.0	5.099	0.561	1019.793	0.05%	99.64%
84.0	5.011	0.551	1020.344	0.05%	99.70%
85.0	4.916	0.542	1020.885	0.05%	99.75%
86.0	4.813	0.532	1021.417	0.05%	99.80%
87.0	4.733	0.522	1021.94	0.05%	99.85%
88.0	4.594	0.511	1022.451	0.05%	99.90%
89.0	4.521	0.500	1022.95	0.05%	99.95%
90.0	4.484	0.494	1023.444	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	900.08	81.09%	87.95%
0-40	977.74	88.08%	95.53%
0-60	1003.91	90.44%	98.09%
0-90	1022.95	92.16%	99.95%
0-120	1022.95	92.16%	99.95%
0-180	1023.44	92.20%	100.00%
60-90	19.04	1.72%	1.86%
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%
0-25.70	818.76	73.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	279.87
10-20	397.05
20-30	223.17
30-40	77.66
40-50	16.43
50-60	9.74
60-70	7.77
70-80	6.40
80-90	4.87
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: —————

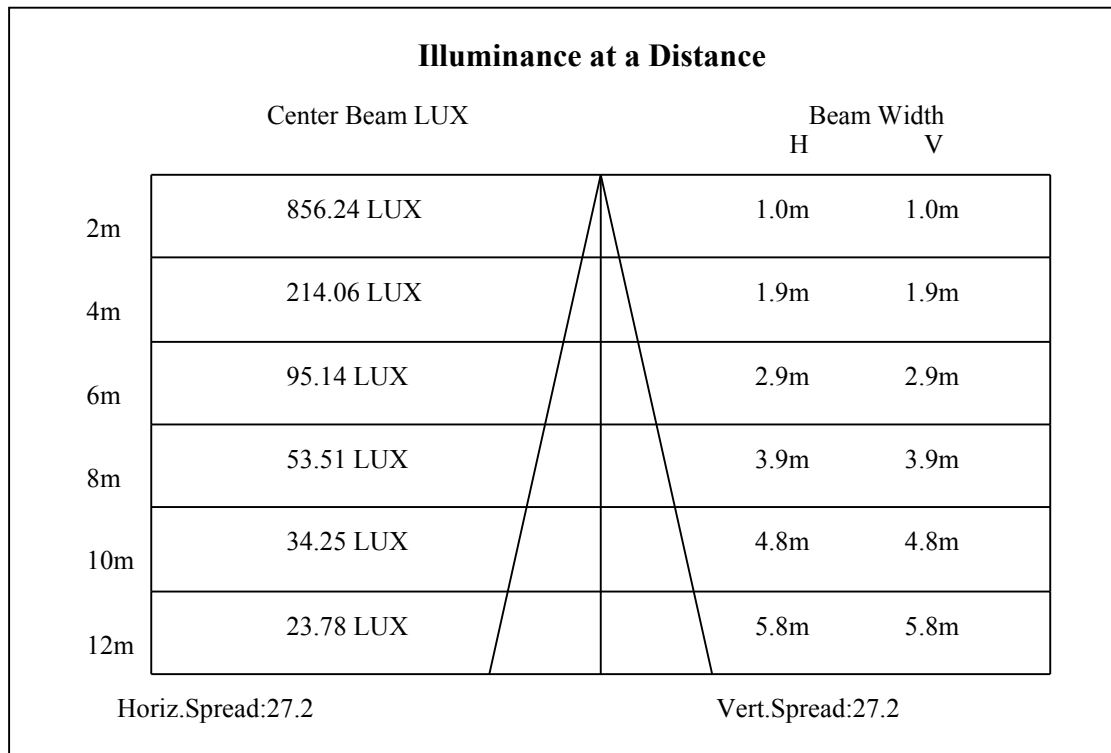
C90/C270: —————

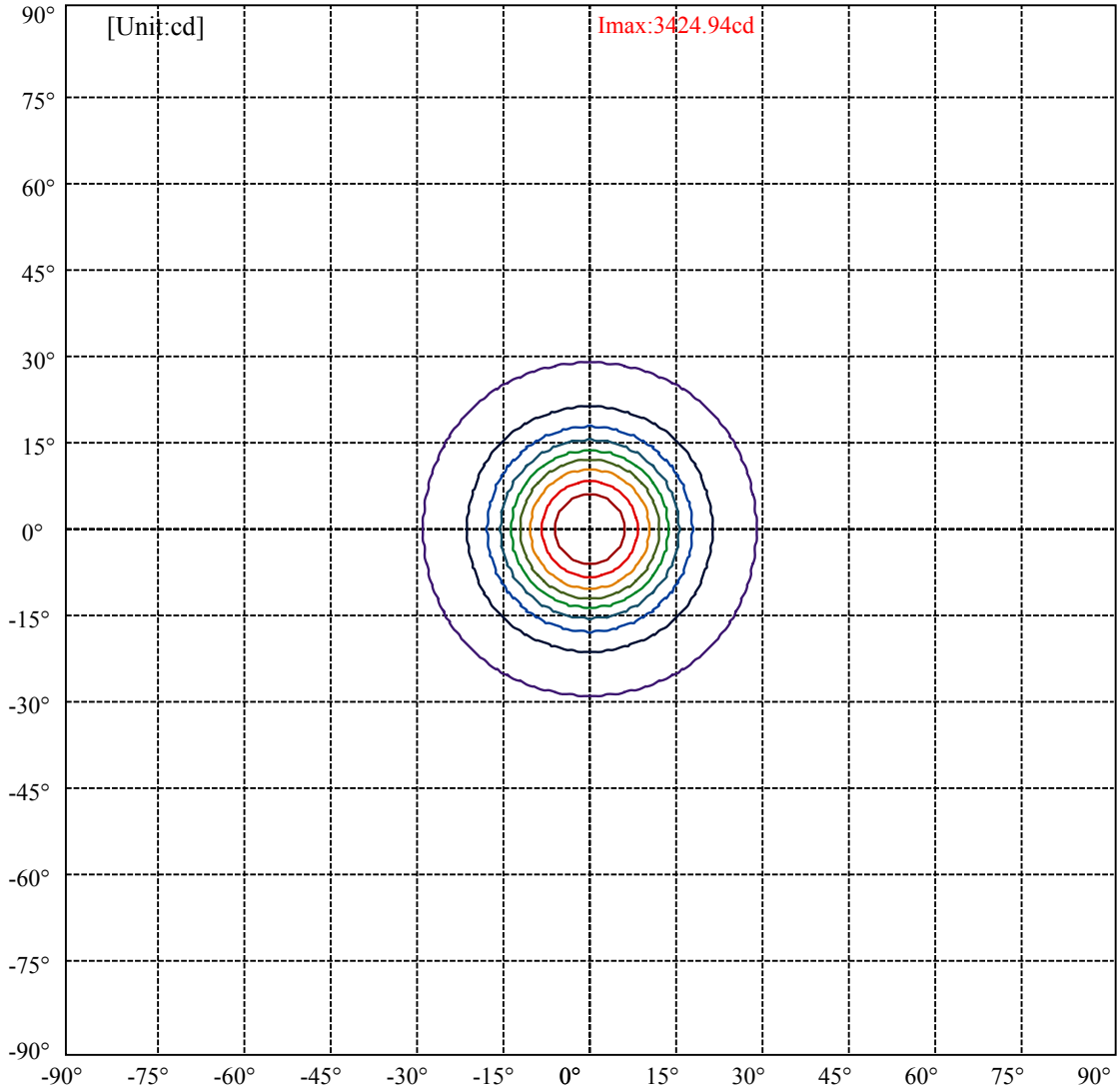
Field angle(10%Imax):C0/180Left:28.6 Right:28.6

:C90/270Left:28.6 Right:28.6

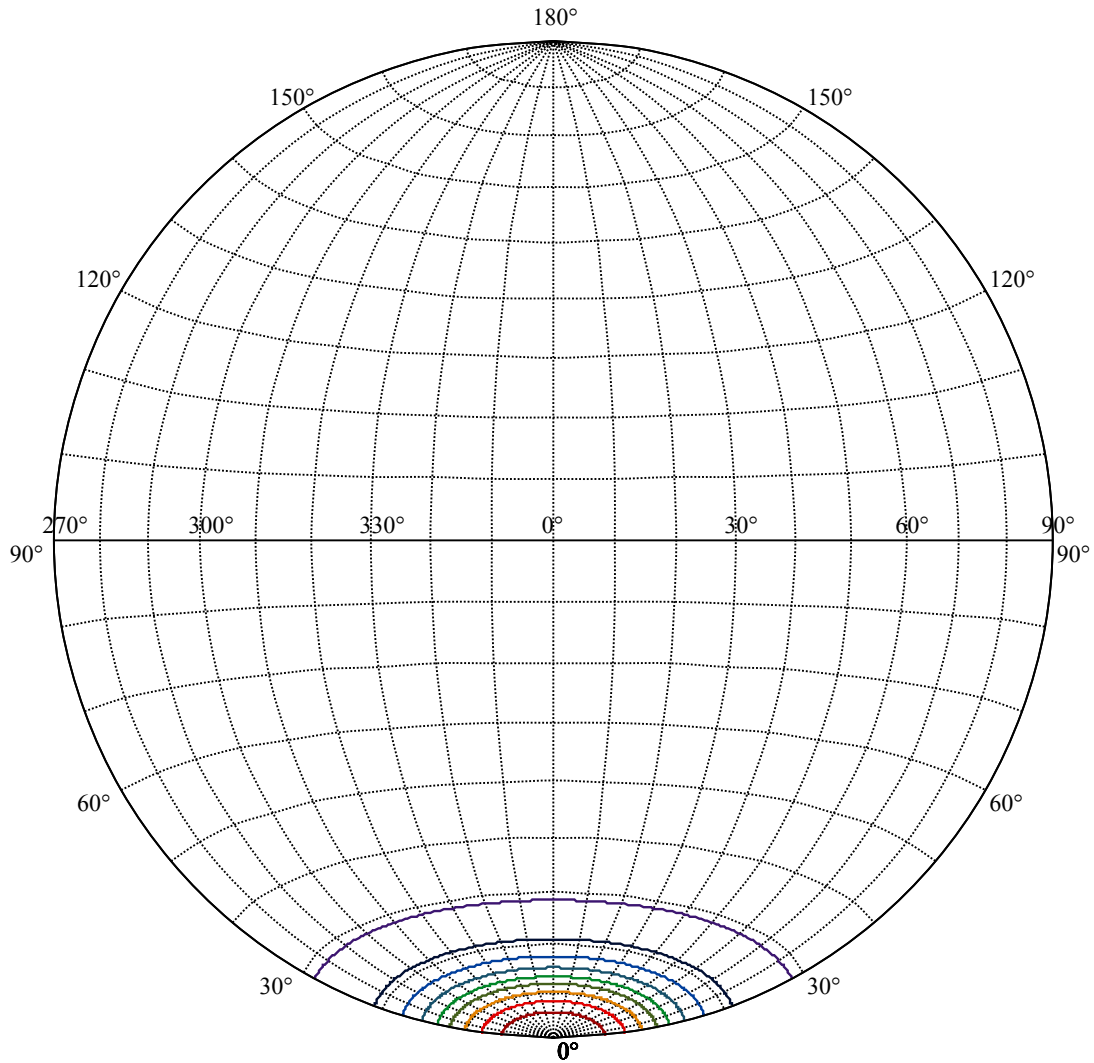
Beam Angle(50%Imax):C0/180Left:13.5 Right:13.5

:C90/270Left:13.5 Right:13.5





(10%Imax) 342.494	—
(20%Imax) 684.988	—
(30%Imax) 1027.48	—
(40%Imax) 1369.98	—
(50%Imax) 1712.47	—
(60%Imax) 2054.97	—
(70%Imax) 2397.46	—
(80%Imax) 2739.95	—
(90%Imax) 3082.45	—



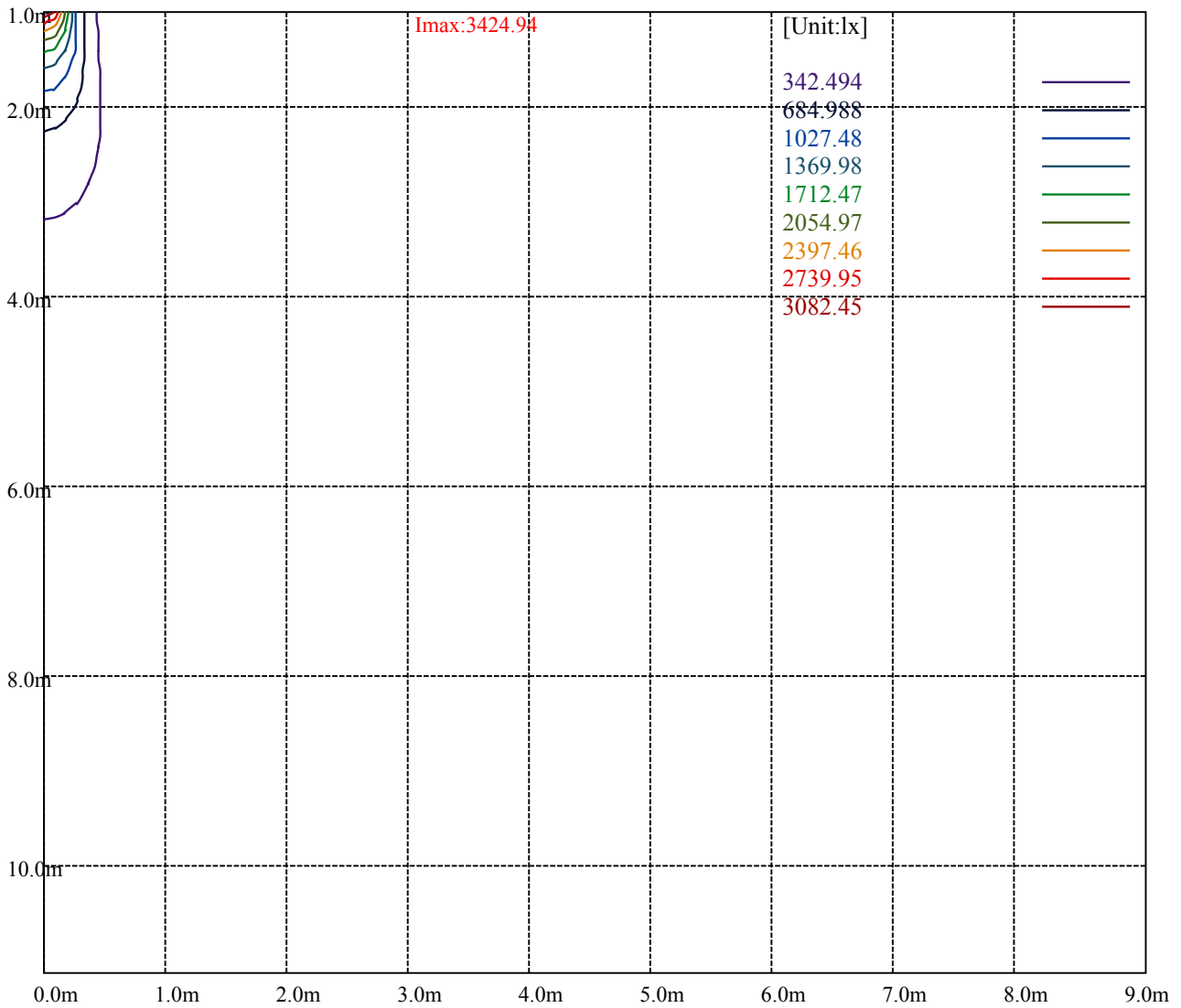
House

[Unit:cd]

Road

Imax:3424.94

(10%Imax)	342.494	—
(20%Imax)	684.988	—
(30%Imax)	1027.48	—
(40%Imax)	1369.98	—
(50%Imax)	1712.47	—
(60%Imax)	2054.97	—
(70%Imax)	2397.46	—
(80%Imax)	2739.95	—
(90%Imax)	3082.45	—



Luminance Table

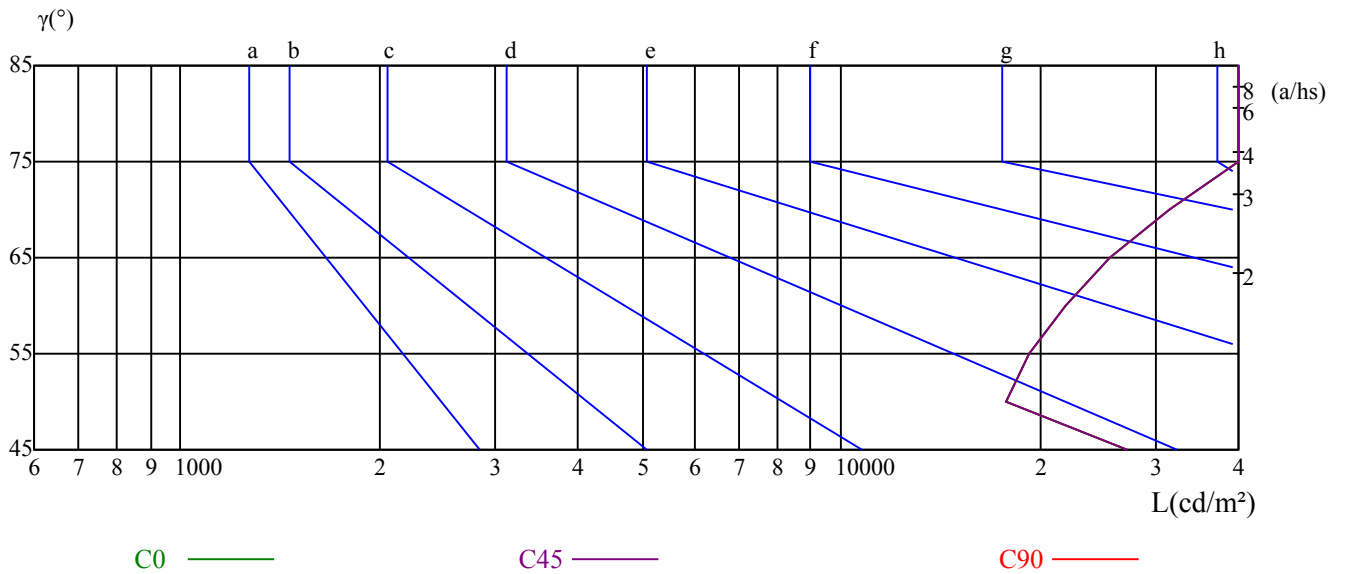
γ	45	50	55	60	65	70	75	80	85
C0	27187	17735	19255	21838	25550	31488	40720	58925	105536
C45	27187	17735	19255	21838	25550	31488	40720	58925	105536
C90	27187	17735	19255	21838	25550	31488	40720	58925	105536

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
25550	25550	25550	40720	40720	40720	105536	105536	105536

Glare Table

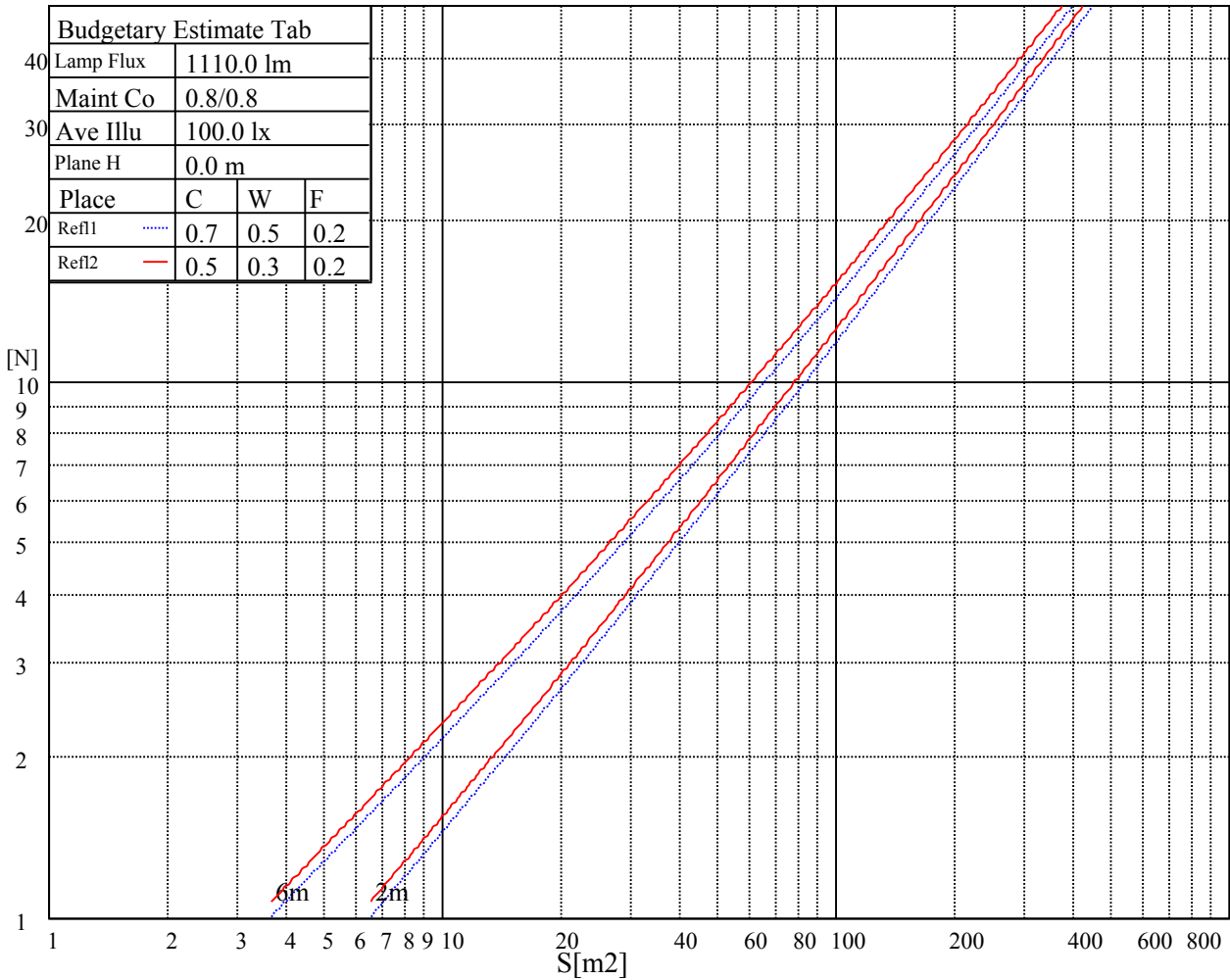
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

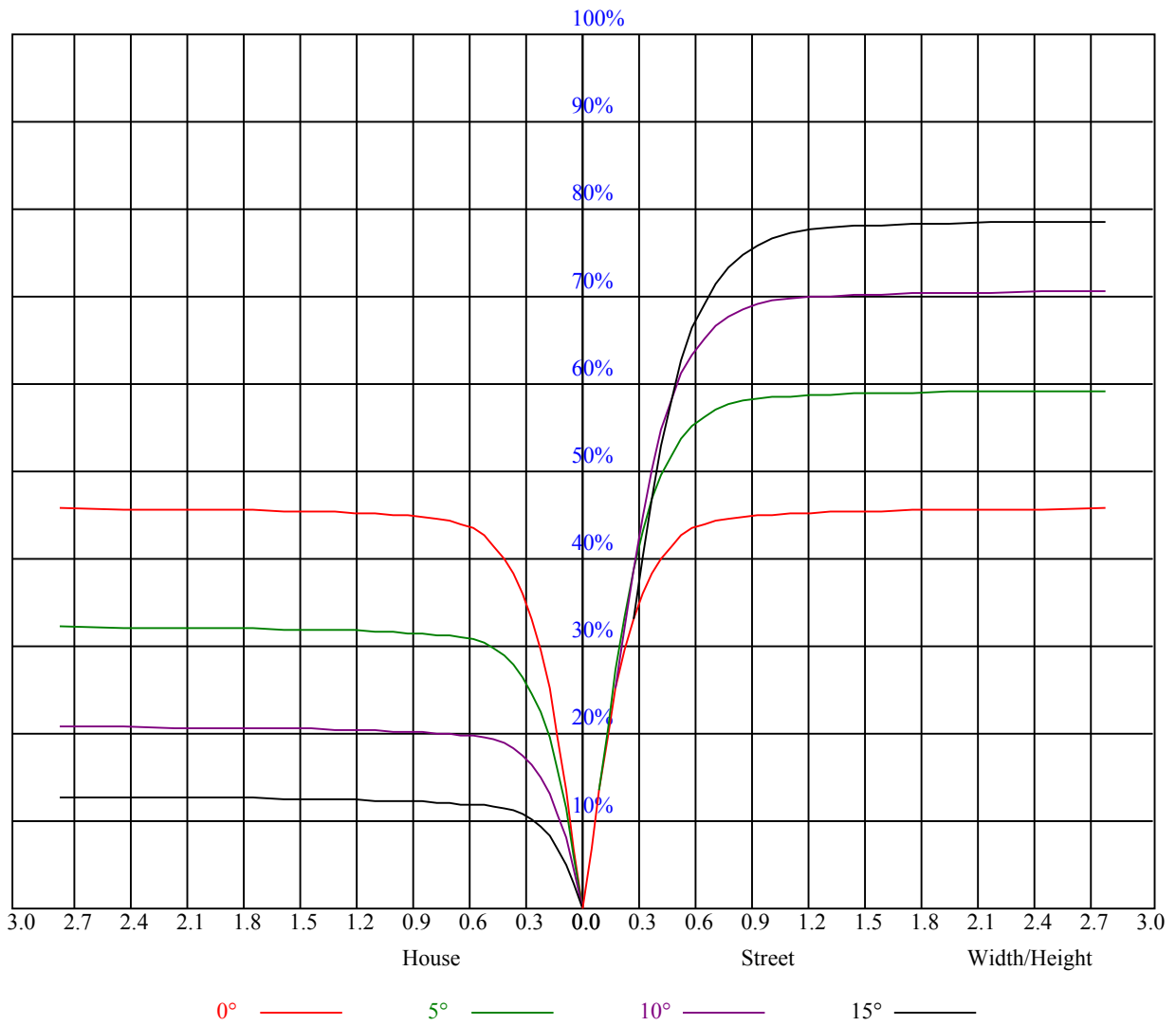


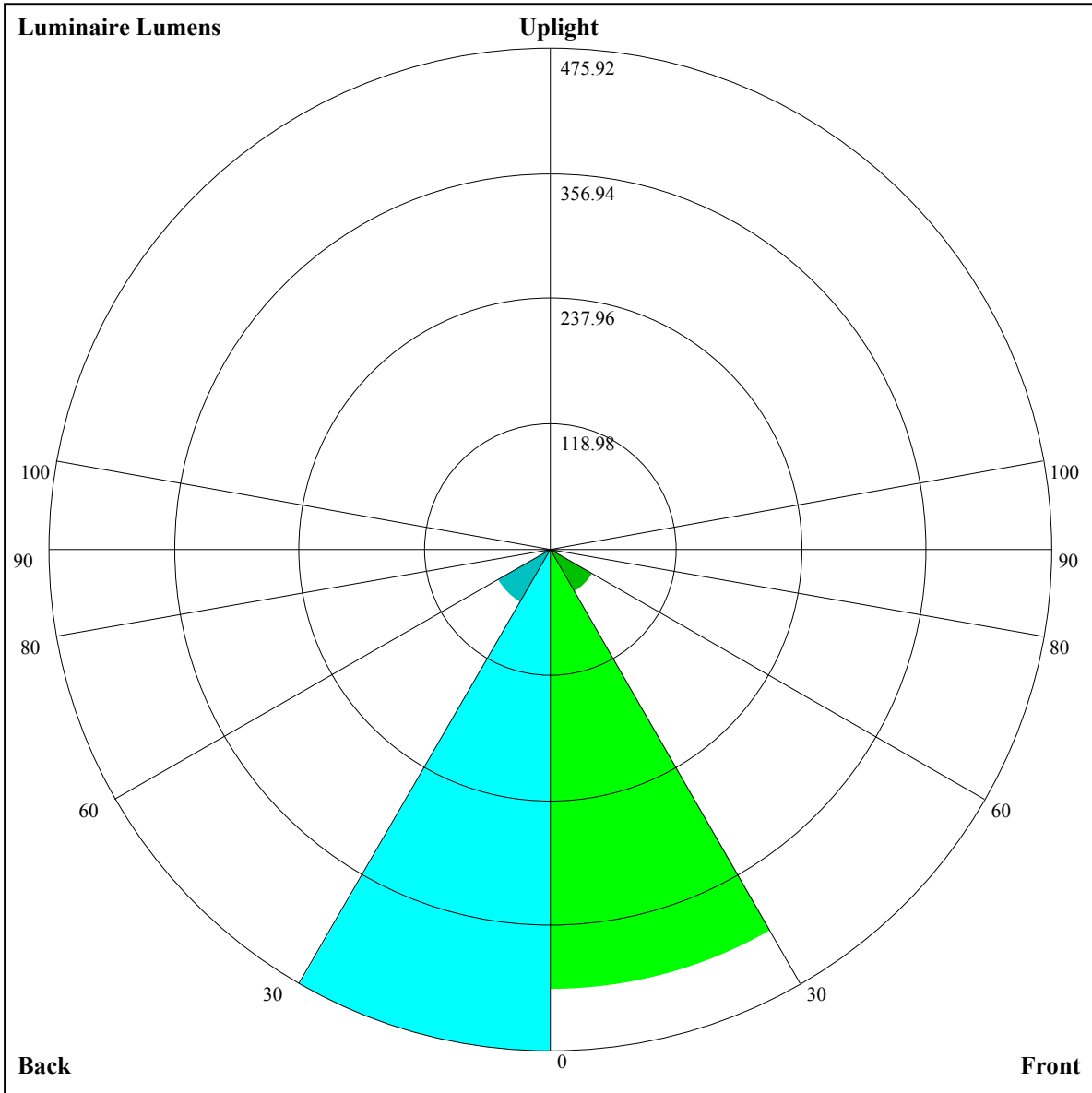
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	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	1.03	1.01	0.99	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61





Luminaire Lumens:

FL=417.74,FM=46.17,FH=6.89,FVH=2.65

BL=475.92,BM=58.52,BH=7.24,BVH=2.7

UL=0,UH=0

BUG Rating:B1-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	3408.41	3366.27	3327.06	3275.56	3173.15	3069.56	2963.64	2790.41	2629.47
45.0	3435.33	3424.21	3393.19	3349.30	3284.34	3170.22	3062.54	2937.30	2803.87
90.0	3431.82	3408.99	3372.12	3304.82	3201.82	3076.59	2944.33	2762.91	2603.72
135.0	3424.21	3443.52	3434.74	3406.07	3363.35	3289.02	3212.36	3104.68	2943.16
180.0	3408.41	3431.23	3437.67	3429.48	3399.05	3369.20	3327.65	3247.47	3120.48
225.0	3435.33	3415.43	3388.51	3356.91	3308.34	3214.70	3111.70	2991.14	2848.35
270.0	3431.82	3435.33	3417.19	3370.95	3308.34	3191.29	3092.97	2961.88	2779.88
315.0	3424.21	3392.61	3331.74	3249.23	3169.05	3060.20	2896.92	2743.59	2576.22
360.0	3408.41	3366.27	3327.06	3275.56	3173.15	3069.56	2963.64	2790.41	2629.47
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2402.99	2207.53	2010.31	1806.06	1557.34	1149.56	1149.56	1032.16	879.59
45.0	2617.18	2454.49	2276.00	2089.31	1849.37	1661.51	1472.48	1248.93	1092.09
90.0	2397.14	2228.01	2048.93	1872.19	1648.05	1347.25	1154.82	1154.82	993.71
135.0	2804.46	2649.37	2499.55	2289.46	2116.23	1931.89	1749.30	1519.89	1346.66
180.0	3020.40	2889.90	2706.72	2538.76	2321.06	2136.13	1941.25	1743.44	1508.77
225.0	2666.34	2504.24	2334.52	2100.43	1916.67	1729.40	1354.85	1156.87	1156.87
270.0	2621.87	2442.79	2218.65	2020.84	1782.07	1588.94	1405.77	1241.32	1060.49
315.0	2394.21	2149.00	1942.42	1696.04	1353.10	1154.01	1115.73	974.87	861.22
360.0	2402.99	2207.53	2010.31	1806.06	1557.34	1149.56	1149.56	1032.16	879.59
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	779.99	703.97	645.85	578.38	533.08	481.29	443.25	404.45	358.80
45.0	955.73	825.81	740.95	652.00	602.84	558.95	519.74	482.87	439.56
90.0	888.49	801.00	731.65	658.50	608.87	553.45	515.64	480.53	438.33
135.0	1188.65	1016.59	902.48	794.79	723.98	666.63	615.72	559.53	517.40
180.0	1321.50	1139.49	1005.48	856.24	752.07	687.70	612.20	566.56	525.59
225.0	981.42	872.22	779.58	706.07	628.53	577.68	535.36	497.91	452.67
270.0	934.08	826.40	746.22	667.22	609.86	571.24	527.35	482.87	450.68
315.0	747.39	679.27	623.21	573.29	523.07	485.56	450.97	416.97	372.91
360.0	779.99	703.97	645.85	578.38	533.08	481.29	443.25	404.45	358.80
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	318.19	276.23	237.37	191.66	159.42	130.27	100.60	81.29	66.07
45.0	403.86	367.58	316.08	296.77	296.77	198.80	158.13	128.98	103.88
90.0	402.11	365.00	325.91	274.82	235.08	198.45	165.97	128.57	103.18
135.0	478.19	441.32	393.91	357.63	319.01	298.52	298.52	187.15	154.44
180.0	472.34	436.64	395.67	347.10	304.38	304.38	249.36	170.65	139.75
225.0	417.68	379.28	330.30	289.04	250.01	201.90	167.20	130.80	105.34
270.0	405.03	371.68	333.64	303.21	303.21	206.76	173.29	138.41	112.60
315.0	337.38	298.00	247.78	210.62	169.25	139.99	113.94	92.06	69.99
360.0	318.19	276.23	237.37	191.66	159.42	130.27	100.60	81.29	66.07
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	54.89	45.12	39.39	33.88	30.49	27.68	24.99	22.82	20.83
45.0	78.36	62.74	51.32	41.08	35.46	31.19	27.27	24.87	22.77
90.0	77.48	62.09	50.10	39.74	34.00	29.55	26.22	23.35	21.36
135.0	118.63	94.28	73.80	54.48	43.77	35.00	30.14	26.39	23.47
180.0	112.89	90.12	67.89	54.54	44.71	37.63	31.66	28.09	24.76
225.0	83.63	66.19	50.45	41.38	35.00	30.31	26.22	23.70	21.59
270.0	90.48	72.74	55.65	45.59	38.27	32.89	28.03	25.11	22.30
315.0	56.71	46.29	38.62	31.84	27.74	24.81	22.53	20.19	18.55
360.0	54.89	45.12	39.39	33.88	30.49	27.68	24.99	22.82	20.83

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	19.20	17.56	16.21	15.10	14.16	13.11	12.41	11.70	11.12
45.0	20.89	18.90	17.50	16.21	14.98	13.69	12.82	12.06	11.29
90.0	19.72	18.32	16.91	15.98	15.16	14.28	13.58	12.93	12.23
135.0	20.83	19.31	18.02	16.68	15.33	14.46	13.69	13.11	12.47
180.0	22.82	21.07	19.02	17.73	16.56	15.57	14.63	14.16	13.75
225.0	19.37	17.85	16.15	14.98	13.99	13.11	12.11	11.53	10.94
270.0	20.48	18.73	16.97	15.68	14.57	13.58	12.47	11.76	11.12
315.0	17.15	15.45	14.34	13.11	12.29	11.59	10.89	10.24	9.77
360.0	19.20	17.56	16.21	15.10	14.16	13.11	12.41	11.70	11.12
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.53	10.12	9.66	9.36	9.13	8.78	8.60	8.43	8.19
45.0	10.77	10.18	9.71	9.36	9.01	8.60	8.37	8.13	7.90
90.0	12.00	11.47	11.00	10.53	10.18	9.89	9.48	9.07	8.84
135.0	12.17	11.88	11.53	11.18	11.00	10.65	10.42	10.01	9.54
180.0	13.23	12.64	12.29	12.00	11.59	11.12	10.71	10.24	9.83
225.0	10.53	10.07	9.71	9.48	9.19	8.84	8.60	8.31	8.13
270.0	10.59	9.95	9.54	9.25	8.90	8.66	8.49	8.25	8.13
315.0	9.42	9.07	8.72	8.43	8.19	7.96	7.84	7.67	7.55
360.0	10.53	10.12	9.66	9.36	9.13	8.78	8.60	8.43	8.19
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.02	7.90	7.72	7.61	7.43	7.32	7.14	6.96	6.85
45.0	7.72	7.55	7.43	7.26	7.14	6.96	6.79	6.67	6.50
90.0	8.60	8.25	7.96	7.67	7.32	7.02	6.79	6.61	6.50
135.0	9.13	8.78	8.43	8.13	7.90	7.55	7.26	7.02	6.79
180.0	9.25	8.95	8.72	8.43	8.13	7.90	7.55	7.32	7.14
225.0	7.90	7.72	7.55	7.32	7.14	6.96	6.85	6.73	6.61
270.0	7.90	7.78	7.61	7.37	7.14	6.96	6.85	6.67	6.44
315.0	7.43	7.26	7.08	6.96	6.79	6.67	6.55	6.44	6.26
360.0	8.02	7.90	7.72	7.61	7.43	7.32	7.14	6.96	6.85
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.67	6.50	6.32	6.14	6.03	5.91	5.79	5.68	5.56
45.0	6.38	6.26	6.09	5.91	5.79	5.68	5.56	5.50	5.33
90.0	6.26	6.14	6.03	5.85	5.68	5.62	5.50	5.44	5.27
135.0	6.67	6.50	6.38	6.20	6.14	5.97	5.85	5.74	5.56
180.0	6.96	6.85	6.67	6.55	6.38	6.20	6.09	5.91	5.79
225.0	6.44	6.26	6.14	5.97	5.79	5.68	5.50	5.44	5.33
270.0	6.32	6.20	6.03	5.91	5.74	5.62	5.50	5.38	5.27
315.0	6.14	5.97	5.85	5.68	5.50	5.44	5.33	5.21	5.09
360.0	6.67	6.50	6.32	6.14	6.03	5.91	5.79	5.68	5.56
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.50	5.38	5.27	5.21	5.15	4.97	4.86	4.51	4.51
45.0	5.27	5.15	5.03	4.92	4.80	4.74	4.68	4.56	4.45
90.0	5.21	5.09	4.97	4.92	4.86	4.68	4.62	4.56	4.45
135.0	5.50	5.38	5.27	5.15	5.03	4.92	4.86	4.74	4.62
180.0	5.68	5.50	5.44	5.33	5.21	5.15	5.03	4.92	4.80
225.0	5.21	5.15	4.97	4.92	4.80	4.74	4.62	4.51	4.51
270.0	5.15	5.09	4.97	4.86	4.80	4.68	4.62	4.51	4.45
315.0	5.03	4.97	4.86	4.80	4.68	4.62	4.56	4.45	4.39
360.0	5.50	5.38	5.27	5.21	5.15	4.97	4.86	4.51	4.51

Intensity data(cd)

C/γ(°)	90.0
0.0	4.51
45.0	4.45
90.0	4.45
135.0	4.56
180.0	4.68
225.0	4.39
270.0	4.45
315.0	4.39
360.0	4.51