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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 2-2759-L
Luminaire: 92.70.412.00
Report No: 2024814-B025
Ballast type: AC

Test No: 2024814-C025	Voltage(V): 34.600
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.694
Lamp flux(lm): 3147.0	Power (W): 23.990
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2913.34, Efficiency(%): 92.58% , Luminous Efficacy(lm/W): 121.44
Central intensity(cd): 5997.171, Maximum intensity(cd): 5997.171
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.4
[C90/270]Total=38.4
Field angle(10%Imax): [C0/180]Total=68.0
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.65 C90_270=0.65
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.58%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.140%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5997.171	0.000	0	0.00%	0.00%
1.0	5985.680	5.734	5.734	0.18%	0.20%
2.0	5937.000	17.113	22.846	0.54%	0.78%
3.0	5864.148	28.224	51.071	0.90%	1.75%
4.0	5771.027	38.947	90.017	1.24%	3.09%
5.0	5671.238	49.224	139.241	1.56%	4.78%
6.0	5524.772	58.838	198.079	1.87%	6.80%
7.0	5365.974	67.599	265.678	2.15%	9.12%
8.0	5207.183	75.670	341.348	2.40%	11.72%
9.0	5025.698	82.932	424.28	2.64%	14.56%
10.0	4842.320	89.302	513.582	2.84%	17.63%
11.0	4644.810	94.796	608.378	3.01%	20.88%
12.0	4450.901	99.429	707.807	3.16%	24.30%
13.0	4254.711	103.314	811.121	3.28%	27.84%
14.0	4054.487	106.357	917.478	3.38%	31.49%
15.0	3853.837	108.569	1026.047	3.45%	35.22%
16.0	3625.676	109.596	1135.642	3.48%	38.98%
17.0	3441.740	110.059	1245.701	3.50%	42.76%
18.0	3234.000	110.068	1355.77	3.50%	46.54%
19.0	3028.402	108.953	1464.722	3.46%	50.28%
20.0	2844.676	107.494	1572.216	3.42%	53.97%
21.0	2654.275	105.591	1677.807	3.36%	57.59%
22.0	2469.774	102.970	1780.777	3.27%	61.12%
23.0	2286.679	99.803	1880.58	3.17%	64.55%
24.0	2120.923	96.366	1976.946	3.06%	67.86%
25.0	1942.014	92.382	2069.329	2.94%	71.03%
26.0	1783.288	87.936	2157.265	2.79%	74.05%
27.0	1628.734	83.476	2240.741	2.65%	76.91%
28.0	1439.365	77.678	2318.418	2.47%	79.58%
29.0	1256.717	70.537	2388.955	2.24%	82.00%
30.0	1148.911	64.951	2453.907	2.06%	84.23%
31.0	1016.342	60.256	2514.163	1.91%	86.30%
32.0	878.260	54.278	2568.441	1.72%	88.16%
33.0	735.330	47.537	2615.978	1.51%	89.79%
34.0	603.805	40.526	2656.504	1.29%	91.18%
35.0	499.771	34.273	2690.777	1.09%	92.36%
36.0	410.920	28.997	2719.774	0.92%	93.36%
37.0	341.821	24.550	2744.324	0.78%	94.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	287.064	20.991	2765.315	0.67%	94.92%
39.0	248.640	18.285	2783.6	0.58%	95.55%
40.0	204.554	15.806	2799.406	0.50%	96.09%
41.0	158.259	12.920	2812.326	0.41%	96.53%
42.0	129.573	10.457	2822.783	0.33%	96.89%
43.0	107.865	8.795	2831.578	0.28%	97.19%
44.0	89.120	7.435	2839.013	0.24%	97.45%
45.0	73.660	6.256	2845.269	0.20%	97.66%
46.0	62.990	5.344	2850.613	0.17%	97.85%
47.0	53.804	4.645	2855.258	0.15%	98.01%
48.0	46.492	4.054	2859.313	0.13%	98.15%
49.0	41.202	3.601	2862.914	0.11%	98.27%
50.0	36.925	3.257	2866.171	0.10%	98.38%
51.0	33.180	2.966	2869.137	0.09%	98.48%
52.0	30.105	2.716	2871.853	0.09%	98.58%
53.0	27.792	2.519	2874.371	0.08%	98.66%
54.0	25.572	2.352	2876.724	0.07%	98.74%
55.0	23.706	2.200	2878.923	0.07%	98.82%
56.0	22.241	2.076	2880.999	0.07%	98.89%
57.0	20.762	1.966	2882.966	0.06%	98.96%
58.0	19.514	1.863	2884.828	0.06%	99.02%
59.0	18.430	1.774	2886.602	0.06%	99.08%
60.0	17.464	1.696	2888.298	0.05%	99.14%
61.0	16.669	1.629	2889.927	0.05%	99.20%
62.0	15.992	1.574	2891.5	0.05%	99.25%
63.0	15.302	1.522	2893.022	0.05%	99.30%
64.0	14.520	1.463	2894.486	0.05%	99.35%
65.0	13.850	1.404	2895.89	0.04%	99.40%
66.0	13.049	1.342	2897.232	0.04%	99.45%
67.0	12.346	1.277	2898.509	0.04%	99.49%
68.0	11.689	1.217	2899.726	0.04%	99.53%
69.0	10.966	1.156	2900.882	0.04%	99.57%
70.0	10.283	1.091	2901.973	0.03%	99.61%
71.0	9.777	1.037	2903.01	0.03%	99.65%
72.0	9.212	0.987	2903.997	0.03%	99.68%
73.0	8.660	0.935	2904.932	0.03%	99.71%
74.0	8.154	0.884	2905.816	0.03%	99.74%
75.0	7.635	0.834	2906.65	0.03%	99.77%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.050	0.780	2907.43	0.02%	99.80%
77.0	6.610	0.728	2908.158	0.02%	99.82%
78.0	6.104	0.681	2908.838	0.02%	99.85%
79.0	5.604	0.629	2909.468	0.02%	99.87%
80.0	5.151	0.580	2910.047	0.02%	99.89%
81.0	4.619	0.528	2910.576	0.02%	99.91%
82.0	4.152	0.476	2911.051	0.02%	99.92%
83.0	3.686	0.426	2911.477	0.01%	99.94%
84.0	3.239	0.377	2911.855	0.01%	99.95%
85.0	2.878	0.334	2912.189	0.01%	99.96%
86.0	2.536	0.296	2912.485	0.01%	99.97%
87.0	2.227	0.261	2912.745	0.01%	99.98%
88.0	1.938	0.228	2912.973	0.01%	99.99%
89.0	1.649	0.197	2913.17	0.01%	99.99%
90.0	1.478	0.171	2913.342	0.01%	100.00%

Zonal flux distribution table

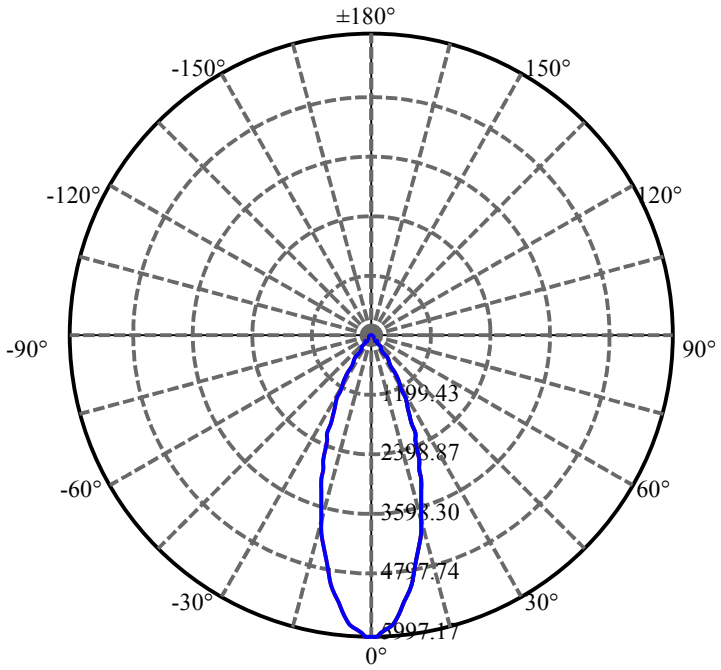
ZONAL LUMEN SUMMARY

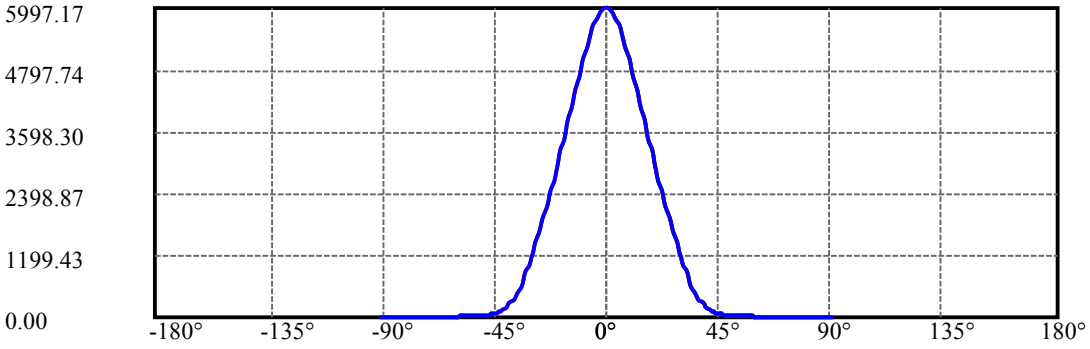
Zone	Lumens	%Lamp	%Fixt
0-30	2453.91	77.98%	84.23%
0-40	2799.41	88.95%	96.09%
0-60	2888.30	91.78%	99.14%
0-90	2913.17	92.57%	99.99%
0-120	2913.17	92.57%	99.99%
0-180	2913.34	92.58%	100.00%
60-90	24.87	0.79%	0.85%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.17	2330.67	74.06%	80.00%

ZONAL LUMEN SUMMARY

0-10	513.58
10-20	1058.63
20-30	881.69
30-40	345.50
40-50	66.77
50-60	22.13
60-70	13.68
70-80	8.07
80-90	3.12
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

Light Distribution Curve [Unit:cd]





C0(Max):

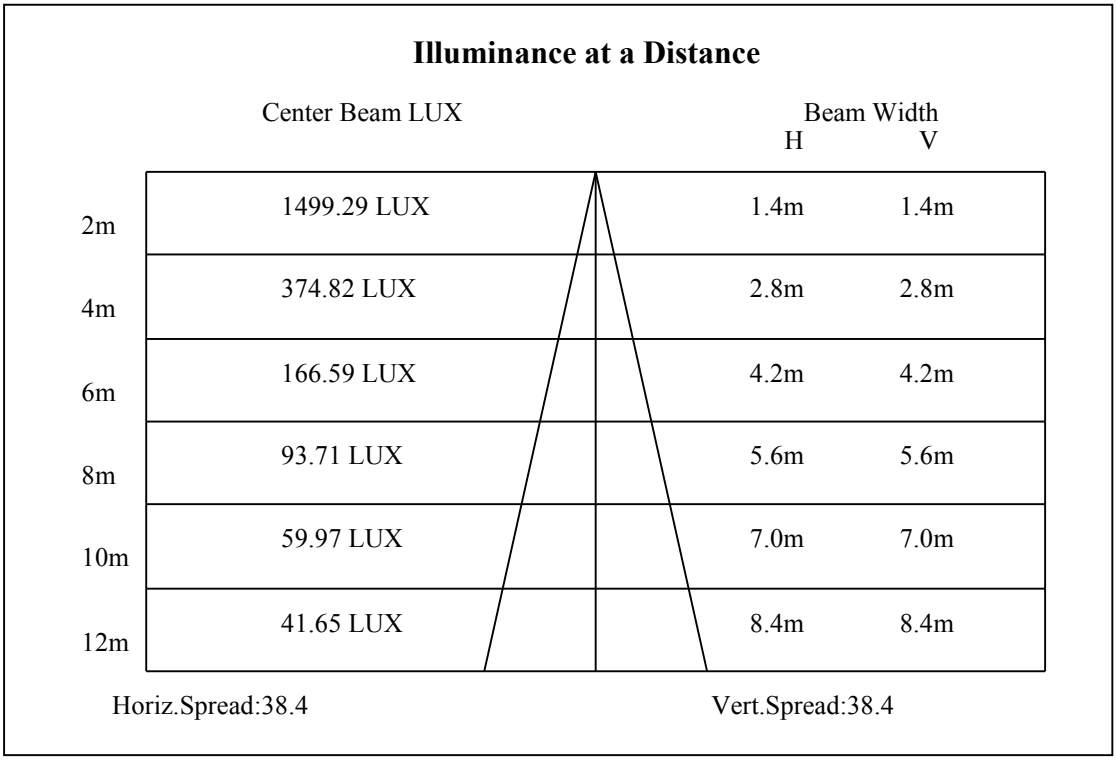
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:19.2 Right:19.2
:C90/270Left:19.2 Right:19.2

Lux distance Curve

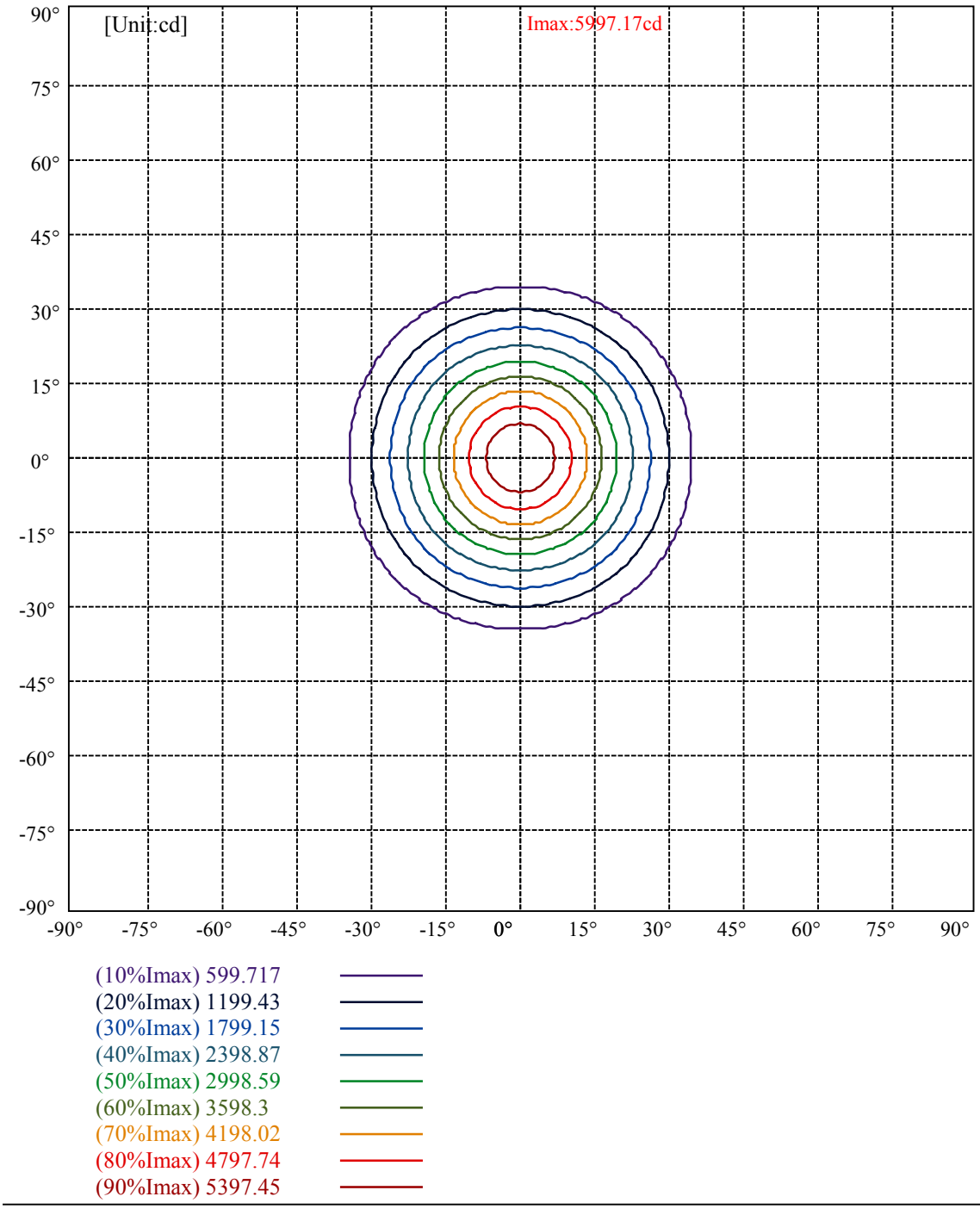


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)

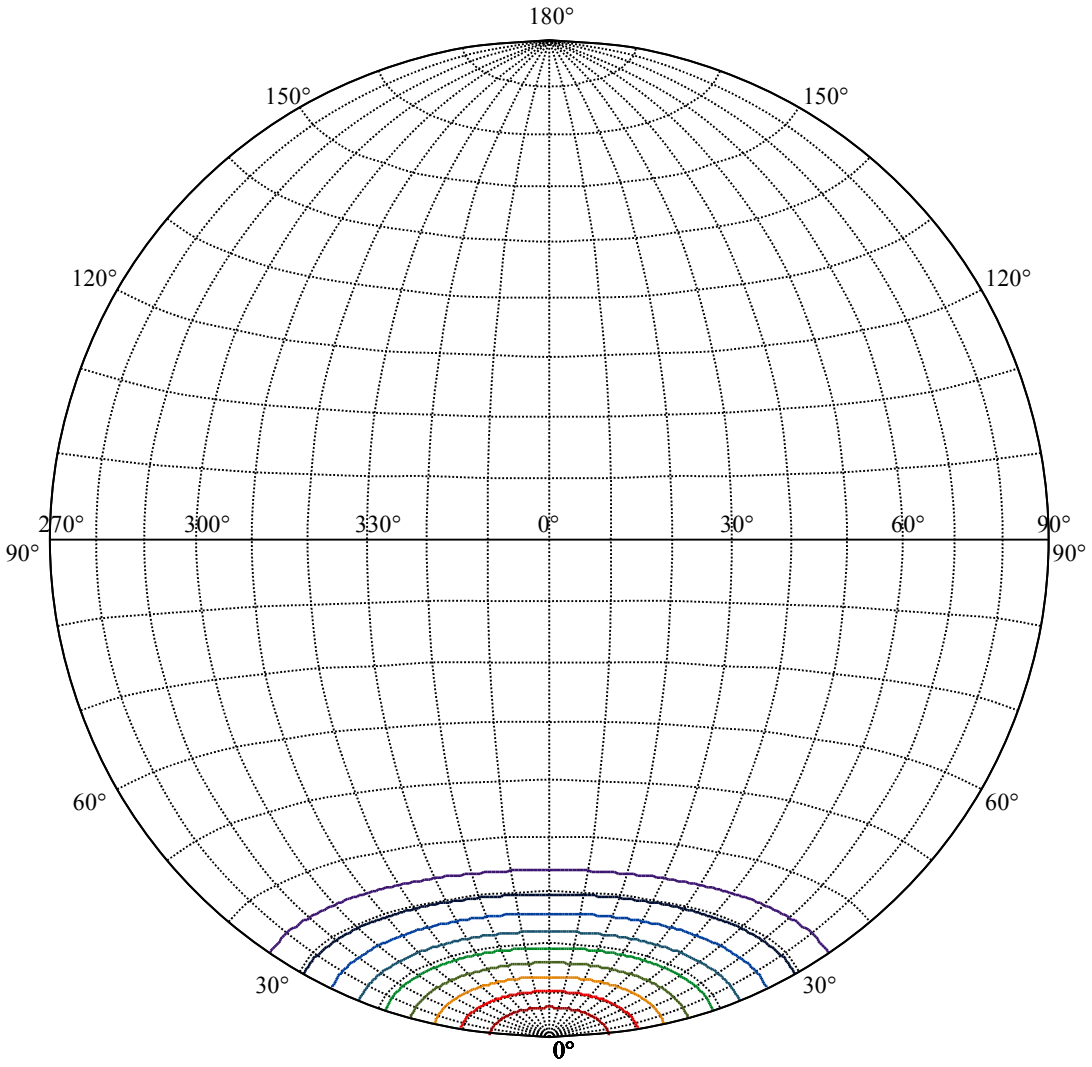


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5997.17

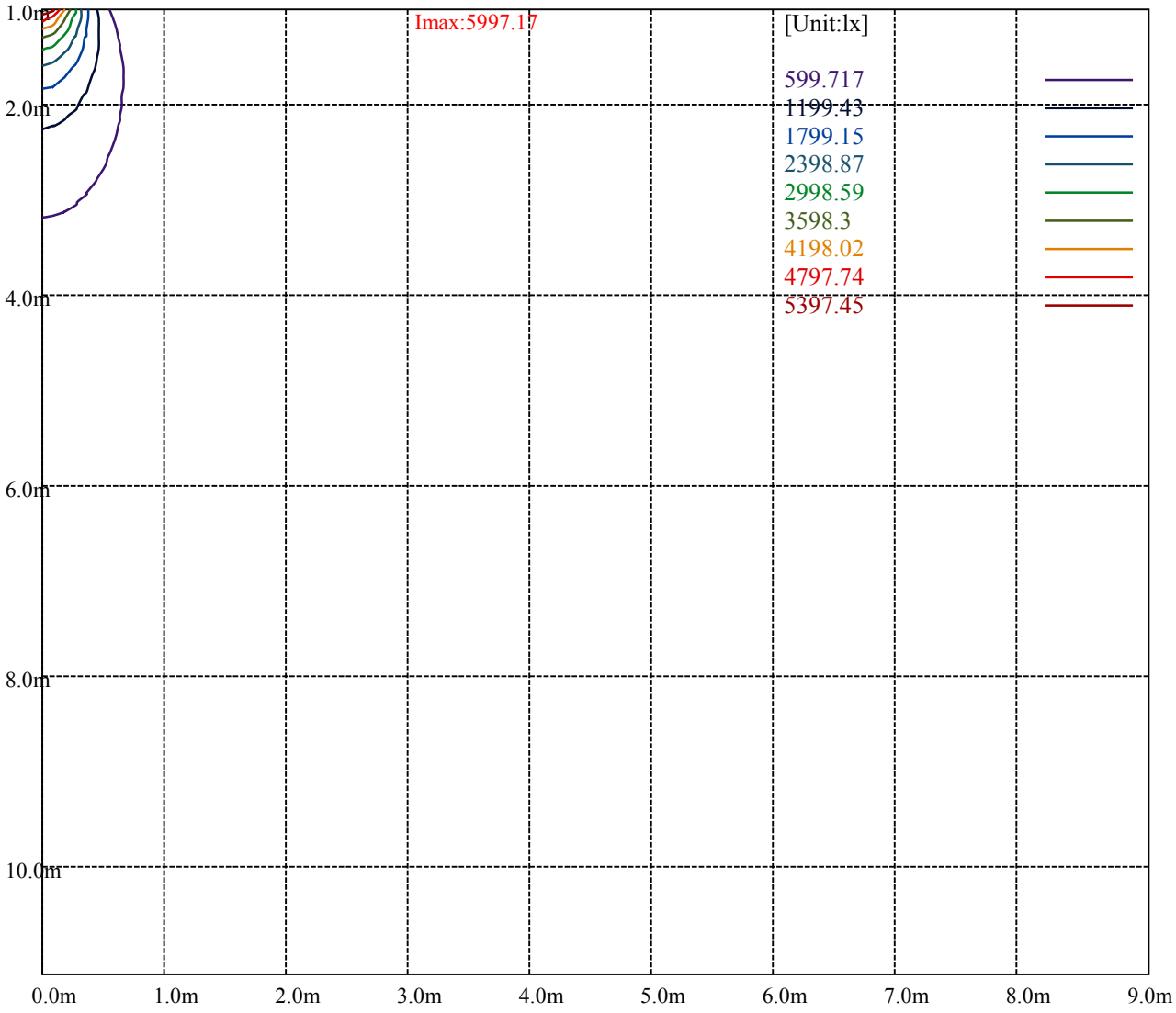
(10%Imax) 599.717
(20%Imax) 1199.43
(30%Imax) 1799.15
(40%Imax) 2398.87
(50%Imax) 2998.59
(60%Imax) 3598.3
(70%Imax) 4198.02
(80%Imax) 4797.74
(90%Imax) 5397.45

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Luminance Limitting Curve(no luminous side)

Luminance Table

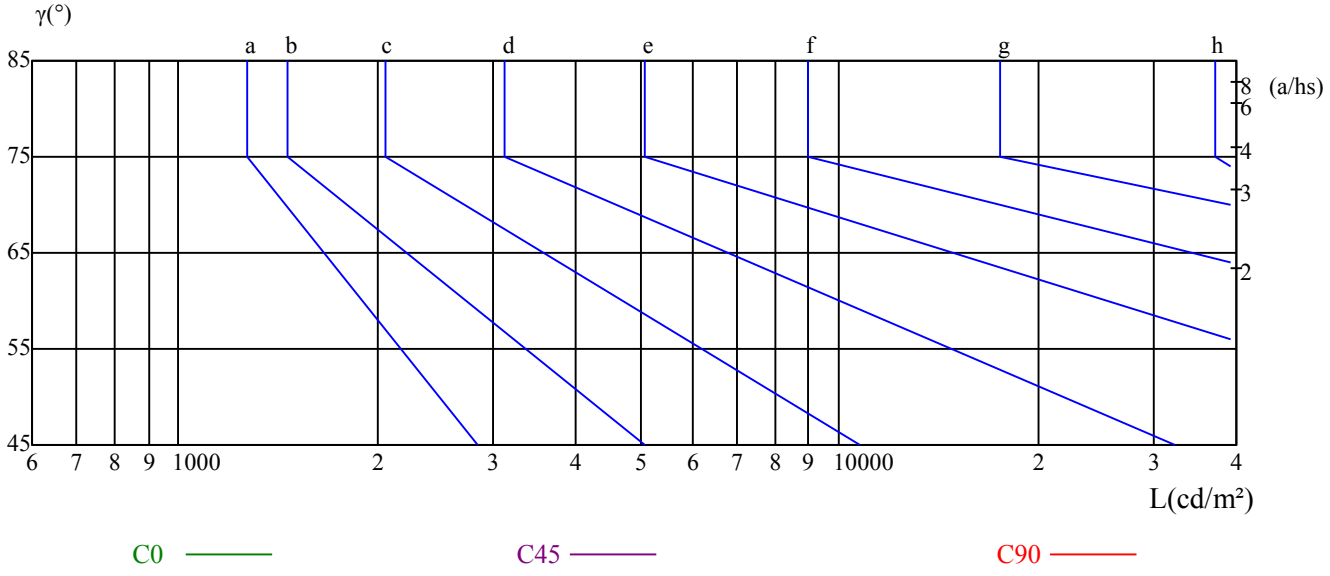
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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 Limitting Curve

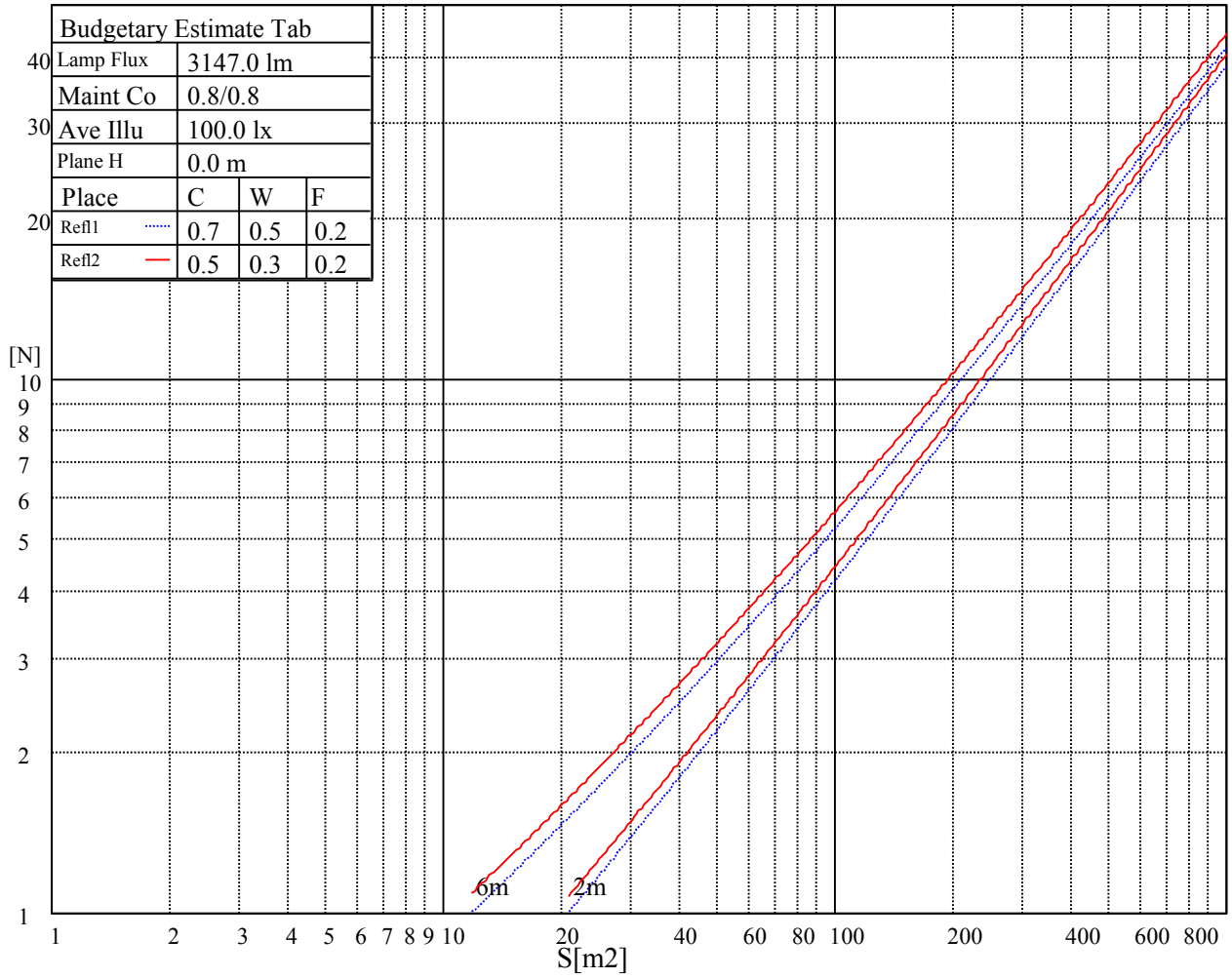


UGR Glare

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
	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	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
	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
8H	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	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	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

Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

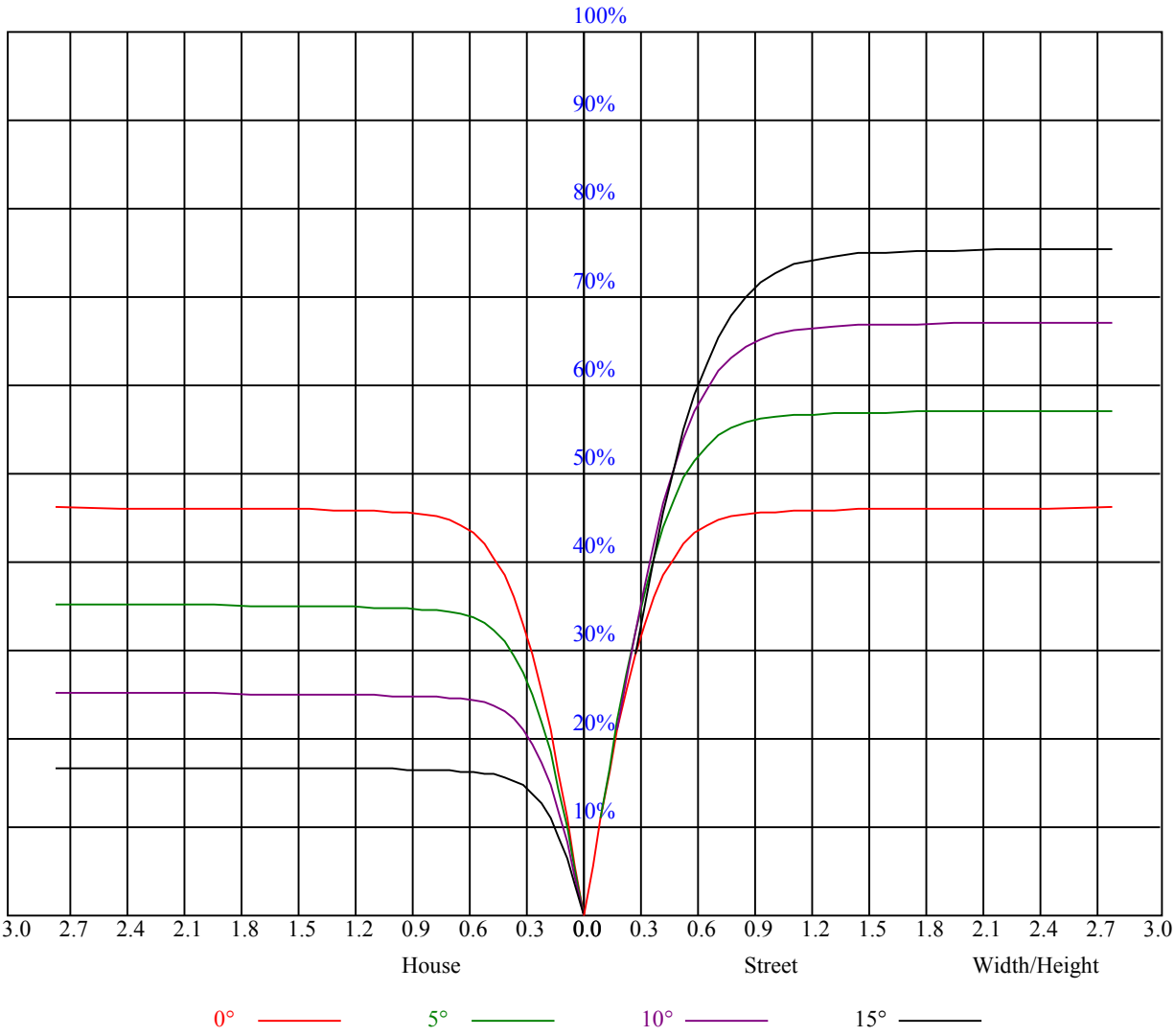
Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

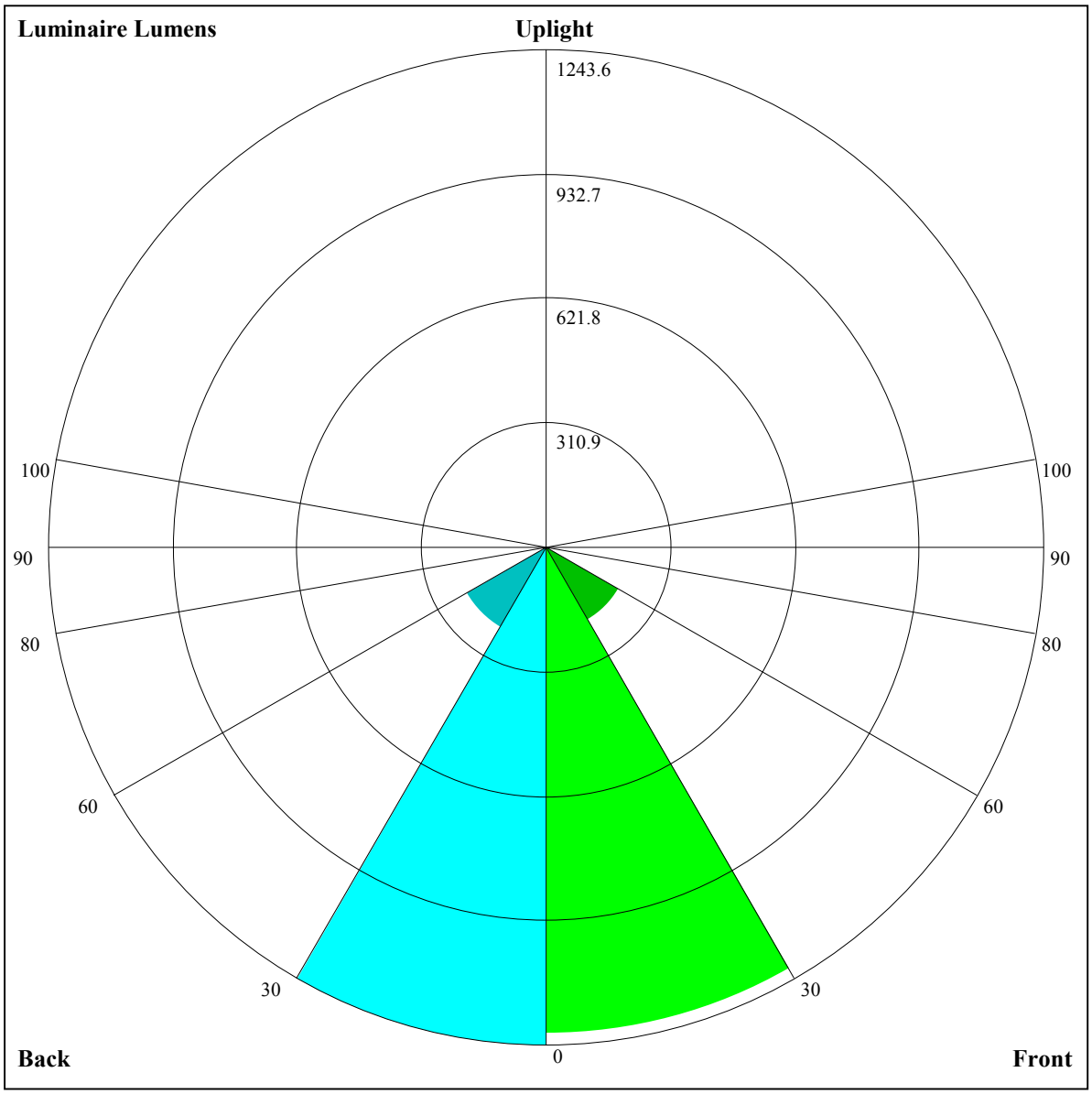
Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	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	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.80	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.67
7	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.63
8	0.71	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	0.62	0.60
9	0.67	0.63	0.59	0.67	0.62	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	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/14	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1212.94,FM=209.72,FH=10.52,FVH=1.61
BL=1243.6,BM=229.52,BH=11.1,BVH=1.69
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	5978.67	5959.69	5899.51	5807.58	5708.97	5575.83	5408.68	5223.14	5033.12
45.0	6005.37	5990.92	5961.95	5910.65	5814.83	5718.43	5576.36	5381.93	5232.07
90.0	5981.98	5942.98	5881.69	5792.55	5664.40	5519.01	5351.28	5172.41	4982.98
135.0	6022.66	5992.02	5931.31	5865.55	5777.51	5665.50	5546.29	5371.89	5211.41
180.0	5978.67	5988.13	5948.03	5863.87	5788.08	5744.66	5583.08	5435.96	5353.49
225.0	6005.37	5978.67	5903.98	5822.66	5730.15	5613.15	5467.71	5315.65	5135.67
270.0	5981.98	6019.30	6008.16	5956.91	5885.06	5844.95	5697.30	5624.29	5482.22
315.0	6022.66	6013.73	5961.38	5893.41	5799.22	5688.37	5567.47	5402.53	5226.50
360.0	5978.67	5959.69	5899.51	5807.58	5708.97	5575.83	5408.68	5223.14	5033.12

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4840.38	4638.69	4440.32	4258.67	4058.09	3889.84	3662.50	3386.18	3224.03
45.0	5055.41	4878.80	4684.37	4478.75	4269.81	4053.09	3845.84	3623.50	3397.85
90.0	4774.62	4577.93	4367.89	4173.99	3969.52	3743.29	3609.57	3302.03	3177.25
135.0	5112.28	4857.09	4663.77	4547.87	4341.14	4134.46	3931.62	3729.36	3528.26
180.0	5195.86	5018.67	4819.77	4609.15	4426.97	4231.96	4024.13	3835.80	3634.64
225.0	4940.09	4748.44	4550.07	4337.25	4126.63	3933.30	3727.15	3518.22	3392.28
270.0	5248.79	5135.67	4949.02	4759.01	4556.22	4358.43	4150.60	3948.92	3743.87
315.0	5038.17	4883.27	4683.27	4442.53	4289.31	4091.52	3879.27	3661.40	3435.75
360.0	4840.38	4638.69	4440.32	4258.67	4058.09	3889.84	3662.50	3386.18	3224.03

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3027.92	2850.73	2659.08	2479.69	2303.03	2121.95	1958.74	1796.59	1633.33
45.0	3187.28	2983.34	2793.91	2601.69	2423.97	2225.60	2119.74	1876.27	1710.80
90.0	2977.77	2796.69	2622.29	2439.01	2259.61	2077.38	1910.23	1741.45	1586.55
135.0	3308.18	3108.70	2914.80	2724.26	2542.61	2359.32	2175.46	1998.85	1835.59
180.0	3420.71	3221.82	3013.41	2813.41	2614.51	2441.79	2270.17	2100.82	1941.45
225.0	3183.34	2902.55	2790.02	2600.58	2411.67	2242.89	2072.38	1910.80	1752.59
270.0	3536.62	3329.89	3118.17	2920.37	2733.72	2546.55	2369.89	2190.49	2051.78
315.0	3230.18	3033.49	2845.73	2655.19	2469.07	2277.95	2090.78	1920.84	1754.22
360.0	3027.92	2850.73	2659.08	2479.69	2303.03	2121.95	1958.74	1796.59	1633.33

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1477.32	1261.13	1084.21	1018.40	856.56	762.58	626.44	515.64	426.75
45.0	1612.72	1457.30	1299.03	1140.82	979.24	822.13	678.37	558.00	461.60
90.0	1436.64	1084.42	1084.42	952.49	792.64	705.23	579.45	439.63	390.64
135.0	1672.91	1514.12	1351.96	1255.56	1033.27	872.27	779.76	634.32	517.90
180.0	1792.12	1640.58	1546.97	1392.64	1228.86	1065.60	905.13	752.48	616.51
225.0	1597.69	1441.68	1083.79	1019.66	988.81	864.02	688.41	590.17	486.20
270.0	1846.15	1678.48	1548.65	1357.01	1230.49	1077.27	916.85	761.37	621.55
315.0	1594.33	1437.22	1054.72	1054.72	1020.87	856.98	708.23	578.82	477.00
360.0	1477.32	1261.13	1084.21	1018.40	856.56	762.58	626.44	515.64	426.75

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	353.75	292.46	241.37	199.05	163.05	134.67	111.12	91.83	76.53
45.0	379.71	313.43	291.67	280.53	177.19	152.33	120.84	99.29	85.05
90.0	320.47	263.08	215.51	175.72	142.76	116.11	94.19	77.11	63.65
135.0	428.17	355.22	293.35	293.35	191.49	157.53	129.25	105.49	86.26
180.0	508.44	422.08	350.75	291.14	291.14	193.54	160.58	132.30	117.90
225.0	390.54	336.82	280.89	233.48	194.01	160.11	131.35	108.02	88.88
270.0	509.54	422.08	349.65	288.88	288.88	196.79	161.42	143.08	107.39
315.0	396.74	329.41	273.33	226.96	187.91	155.01	127.83	105.81	87.31
360.0	353.75	292.46	241.37	199.05	163.05	134.67	111.12	91.83	76.53

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	64.65	55.61	48.73	43.73	39.37	35.74	32.54	29.86	28.12
45.0	70.85	59.87	51.41	44.99	40.05	35.90	32.33	29.59	27.33
90.0	53.56	45.89	40.21	35.74	32.06	28.96	26.60	24.65	22.92
135.0	76.90	59.71	51.30	47.04	39.32	36.79	32.85	29.59	26.96
180.0	89.51	80.05	66.86	53.51	49.09	43.00	38.21	34.22	30.96
225.0	73.48	61.60	52.93	46.10	40.84	36.53	32.96	29.91	28.49
270.0	87.73	77.95	64.91	55.09	47.41	41.42	36.64	32.85	29.75
315.0	72.59	63.23	54.09	45.73	41.47	37.06	33.32	30.17	27.81
360.0	64.65	55.61	48.73	43.73	39.37	35.74	32.54	29.86	28.12

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.97	24.65	23.18	21.66	20.29	19.08	18.03	17.08	16.14
45.0	25.39	23.71	22.13	20.50	19.08	17.98	17.03	16.03	15.61
90.0	21.92	19.92	19.19	17.92	16.93	16.08	15.35	14.72	14.09
135.0	24.70	22.81	21.34	20.03	18.92	17.87	17.03	16.35	15.77
180.0	28.23	25.86	23.81	22.13	20.92	19.97	19.08	18.40	17.87
225.0	25.44	23.71	22.71	21.34	20.08	18.98	17.87	17.14	16.29
270.0	27.23	25.12	23.34	21.71	20.29	18.92	17.77	16.87	16.19
315.0	25.70	23.86	22.23	20.81	19.61	18.55	17.56	16.77	15.98
360.0	25.97	24.65	23.18	21.66	20.29	19.08	18.03	17.08	16.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.30	14.35	13.40	12.46	11.56	10.78	9.93	9.30	8.73
45.0	14.82	13.67	13.14	12.30	11.56	10.83	10.20	9.57	8.99
90.0	13.40	12.67	11.93	11.20	10.51	9.93	9.41	8.94	8.41
135.0	15.09	14.45	13.82	13.51	12.72	11.98	11.51	10.67	10.35
180.0	17.29	16.66	16.19	14.98	14.40	13.56	12.67	11.67	10.78
225.0	15.72	14.98	14.14	13.25	12.56	11.98	11.25	10.62	10.20
270.0	15.61	14.93	14.30	13.61	13.04	12.40	11.67	11.14	10.67
315.0	15.19	14.45	13.88	13.09	12.40	12.04	11.09	10.35	10.09
360.0	15.30	14.35	13.40	12.46	11.56	10.78	9.93	9.30	8.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.20	7.73	7.15	6.62	6.15	5.89	5.52	4.99	4.52
45.0	8.46	7.99	7.52	7.04	6.47	5.99	5.57	5.15	4.63
90.0	7.88	7.46	6.94	6.57	5.99	5.68	5.15	4.68	4.15
135.0	9.83	9.30	8.73	8.25	7.73	7.15	6.62	6.04	5.68
180.0	10.04	9.41	8.78	8.25	7.67	7.15	6.62	6.04	5.57
225.0	9.57	8.73	8.36	7.67	6.89	6.62	6.10	5.62	5.15
270.0	10.20	9.67	9.20	8.62	7.94	7.36	6.68	6.20	5.83
315.0	9.51	8.99	8.57	8.04	7.57	7.04	6.57	6.10	5.68
360.0	8.20	7.73	7.15	6.62	6.15	5.89	5.52	4.99	4.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.05	3.57	3.15	2.84	2.42	2.16	1.94	1.68	1.31
45.0	4.10	3.73	3.21	2.89	2.47	2.16	1.89	1.68	1.37
90.0	3.68	3.26	2.94	2.52	2.26	2.00	1.73	1.47	1.26
135.0	5.10	4.57	3.94	3.42	3.05	2.63	2.26	2.00	1.68
180.0	5.10	4.63	3.99	3.42	3.15	2.73	2.37	2.05	1.73
225.0	4.47	4.05	3.73	3.21	2.94	2.63	2.21	1.89	1.68
270.0	5.31	4.78	4.31	3.78	3.36	2.94	2.68	2.26	2.00
315.0	5.15	4.63	4.21	3.84	3.36	3.05	2.73	2.47	2.16
360.0	4.05	3.57	3.15	2.84	2.42	2.16	1.94	1.68	1.31

Intensity data(cd)

C/γ(°)	90.0
0.0	1.31
45.0	1.21
90.0	1.31
135.0	1.26
180.0	1.42
225.0	1.47
270.0	1.84
315.0	2.00
360.0	1.31