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

NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.411.00
Report No: 2024330-B023
Ballast type: AC

Test No: 2024330-C023	Voltage(V): 34.160
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.676
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2356.74, Efficiency(%): 82.69% , Luminous Efficacy(lm/W): 119.78
Central intensity(cd): 5689.323, Maximum intensity(cd): 5691.445
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=35.4
[C90/270]Total=35.4
Field angle(10%Imax): [C0/180]Total=61.2
[C90/270]Total=61.2
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.69%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.781%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5689.323	0.000	0	0.00%	0.00%
1.0	5691.445	5.445	5.445	0.19%	0.23%
2.0	5686.105	16.330	21.776	0.57%	0.92%
3.0	5665.768	27.150	48.926	0.95%	2.08%
4.0	5625.022	37.794	86.719	1.33%	3.68%
5.0	5557.209	48.105	134.825	1.69%	5.72%
6.0	5450.405	57.848	192.673	2.03%	8.18%
7.0	5322.753	66.869	259.542	2.35%	11.01%
8.0	5153.696	74.978	334.52	2.63%	14.19%
9.0	4939.650	81.801	416.321	2.87%	17.67%
10.0	4737.309	87.573	503.894	3.07%	21.38%
11.0	4524.579	92.545	596.439	3.25%	25.31%
12.0	4279.955	96.246	692.685	3.38%	29.39%
13.0	4042.720	98.769	791.454	3.47%	33.58%
14.0	3782.075	100.157	891.611	3.51%	37.83%
15.0	3518.943	100.232	991.842	3.52%	42.09%
16.0	3258.226	99.304	1091.147	3.48%	46.30%
17.0	3015.942	97.706	1188.853	3.43%	50.44%
18.0	2767.661	95.359	1284.212	3.35%	54.49%
19.0	2528.889	92.149	1376.361	3.23%	58.40%
20.0	2303.797	88.452	1464.812	3.10%	62.15%
21.0	2092.384	84.416	1549.228	2.96%	65.74%
22.0	1872.925	79.685	1628.913	2.80%	69.12%
23.0	1657.752	74.083	1702.996	2.60%	72.26%
24.0	1488.330	68.785	1771.78	2.41%	75.18%
25.0	1287.905	63.125	1834.906	2.21%	77.86%
26.0	1162.901	57.852	1892.757	2.03%	80.31%
27.0	1026.346	53.560	1946.318	1.88%	82.59%
28.0	881.941	48.314	1994.632	1.70%	84.64%
29.0	753.258	42.781	2037.413	1.50%	86.45%
30.0	634.794	37.477	2074.89	1.31%	88.04%
31.0	529.797	32.409	2107.299	1.14%	89.42%
32.0	439.321	27.764	2135.063	0.97%	90.59%
33.0	357.243	23.467	2158.53	0.82%	91.59%
34.0	295.941	19.767	2178.297	0.69%	92.43%
35.0	250.242	16.962	2195.26	0.60%	93.15%
36.0	192.115	14.085	2209.345	0.49%	93.75%
37.0	155.531	11.338	2220.683	0.40%	94.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	116.014	9.064	2229.747	0.32%	94.61%
39.0	91.990	7.100	2236.846	0.25%	94.91%
40.0	76.643	5.881	2242.728	0.21%	95.16%
41.0	64.938	5.042	2247.769	0.18%	95.38%
42.0	56.928	4.428	2252.197	0.16%	95.56%
43.0	51.258	4.008	2256.204	0.14%	95.73%
44.0	47.125	3.713	2259.918	0.13%	95.89%
45.0	44.002	3.502	2263.42	0.12%	96.04%
46.0	41.449	3.342	2266.762	0.12%	96.18%
47.0	39.269	3.210	2269.972	0.11%	96.32%
48.0	37.440	3.101	2273.073	0.11%	96.45%
49.0	35.713	3.004	2276.077	0.11%	96.58%
50.0	34.360	2.922	2278.998	0.10%	96.70%
51.0	32.955	2.848	2281.846	0.10%	96.82%
52.0	31.748	2.776	2284.623	0.10%	96.94%
53.0	30.571	2.711	2287.334	0.10%	97.06%
54.0	29.495	2.647	2289.981	0.09%	97.17%
55.0	28.340	2.582	2292.563	0.09%	97.28%
56.0	27.228	2.511	2295.074	0.09%	97.38%
57.0	26.211	2.443	2297.517	0.09%	97.49%
58.0	25.165	2.376	2299.893	0.08%	97.59%
59.0	24.184	2.307	2302.2	0.08%	97.69%
60.0	23.307	2.244	2304.444	0.08%	97.78%
61.0	22.421	2.182	2306.626	0.08%	97.87%
62.0	21.617	2.122	2308.748	0.07%	97.96%
63.0	20.871	2.066	2310.814	0.07%	98.05%
64.0	20.234	2.017	2312.831	0.07%	98.14%
65.0	19.737	1.978	2314.809	0.07%	98.22%
66.0	19.312	1.948	2316.758	0.07%	98.30%
67.0	18.881	1.920	2318.678	0.07%	98.39%
68.0	18.735	1.905	2320.584	0.07%	98.47%
69.0	18.837	1.917	2322.5	0.07%	98.55%
70.0	19.254	1.956	2324.457	0.07%	98.63%
71.0	19.700	2.013	2326.47	0.07%	98.72%
72.0	19.920	2.060	2328.53	0.07%	98.80%
73.0	20.102	2.093	2330.623	0.07%	98.89%
74.0	19.971	2.107	2332.73	0.07%	98.98%
75.0	19.620	2.092	2334.822	0.07%	99.07%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.210	2.061	2336.883	0.07%	99.16%
77.0	18.420	2.006	2338.889	0.07%	99.24%
78.0	17.447	1.920	2340.809	0.07%	99.32%
79.0	16.247	1.810	2342.619	0.06%	99.40%
80.0	14.740	1.671	2344.29	0.06%	99.47%
81.0	13.080	1.504	2345.795	0.05%	99.54%
82.0	12.224	1.372	2347.167	0.05%	99.59%
83.0	11.909	1.312	2348.479	0.05%	99.65%
84.0	11.609	1.281	2349.76	0.04%	99.70%
85.0	11.229	1.246	2351.006	0.04%	99.76%
86.0	10.761	1.202	2352.208	0.04%	99.81%
87.0	10.483	1.163	2353.371	0.04%	99.86%
88.0	10.271	1.137	2354.508	0.04%	99.91%
89.0	10.146	1.119	2355.627	0.04%	99.95%
90.0	10.132	1.112	2356.739	0.04%	100.00%

Zonal flux distribution table

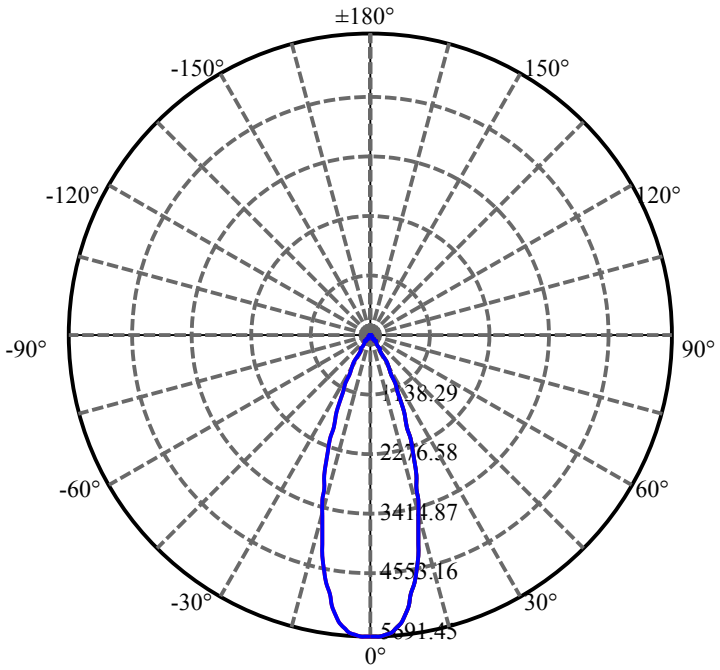
ZONAL LUMEN SUMMARY

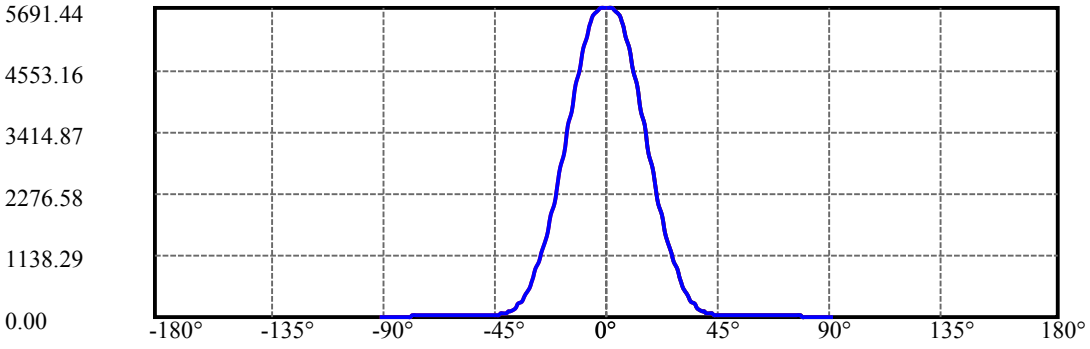
Zone	Lumens	%Lamp	%Fixt
0-30	2074.89	72.80%	88.04%
0-40	2242.73	78.69%	95.16%
0-60	2304.44	80.86%	97.78%
0-90	2355.63	82.65%	99.95%
0-120	2355.63	82.65%	99.95%
0-180	2356.74	82.69%	100.00%
60-90	51.18	1.80%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.87	1885.39	66.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	503.89
10-20	960.92
20-30	610.08
30-40	167.84
40-50	36.27
50-60	25.45
60-70	20.01
70-80	19.83
80-90	11.34
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):

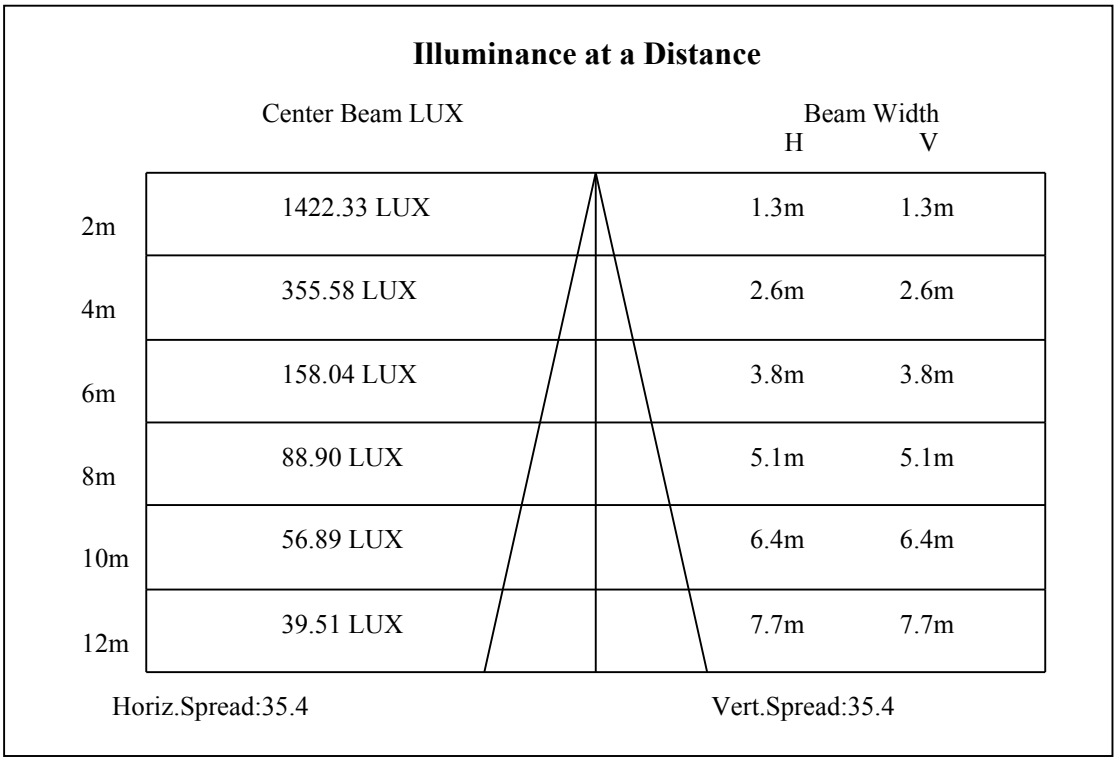
C0/C180:

C90/C270:

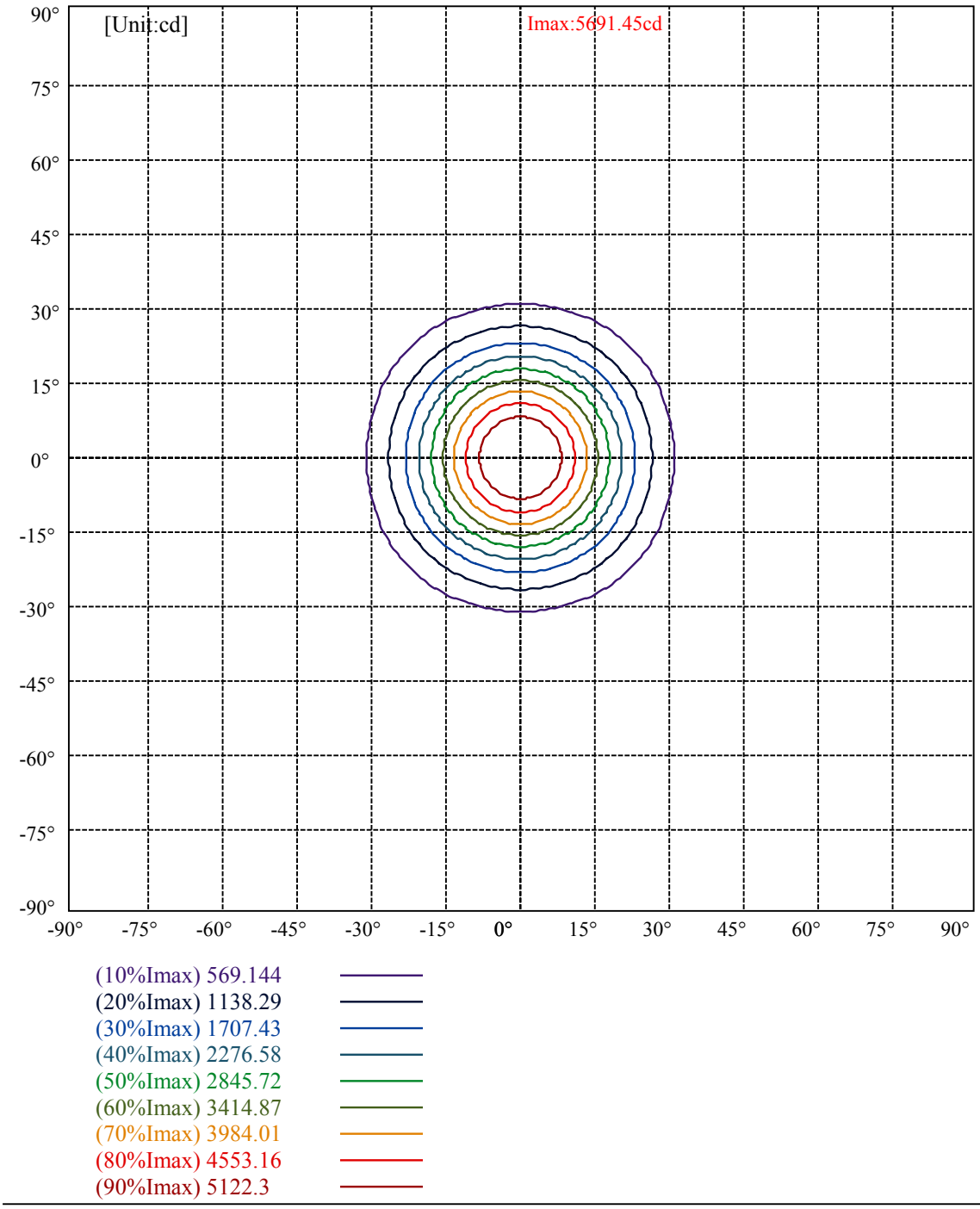
Field angle(10%Imax):C0/180Left:31.6 Right:29.6
:C90/270Left:31.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:18.7 Right:16.7
:C90/270Left:18.7 Right:16.7

Lux distance Curve



ISO-Intensity(V-H)



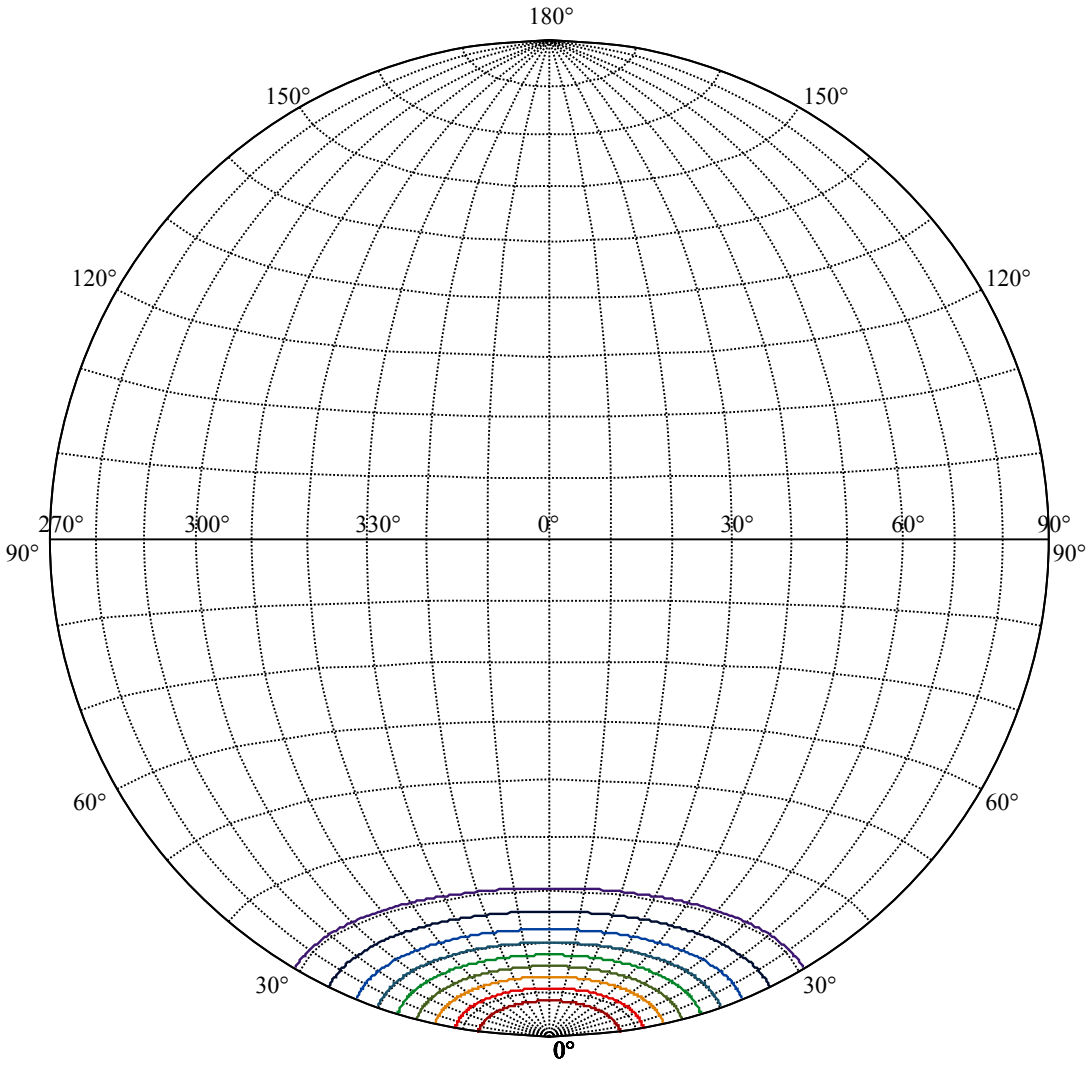
(10%Imax) 569.144
(20%Imax) 1138.29
(30%Imax) 1707.43
(40%Imax) 2276.58
(50%Imax) 2845.72
(60%Imax) 3414.87
(70%Imax) 3984.01
(80%Imax) 4553.16
(90%Imax) 5122.3

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



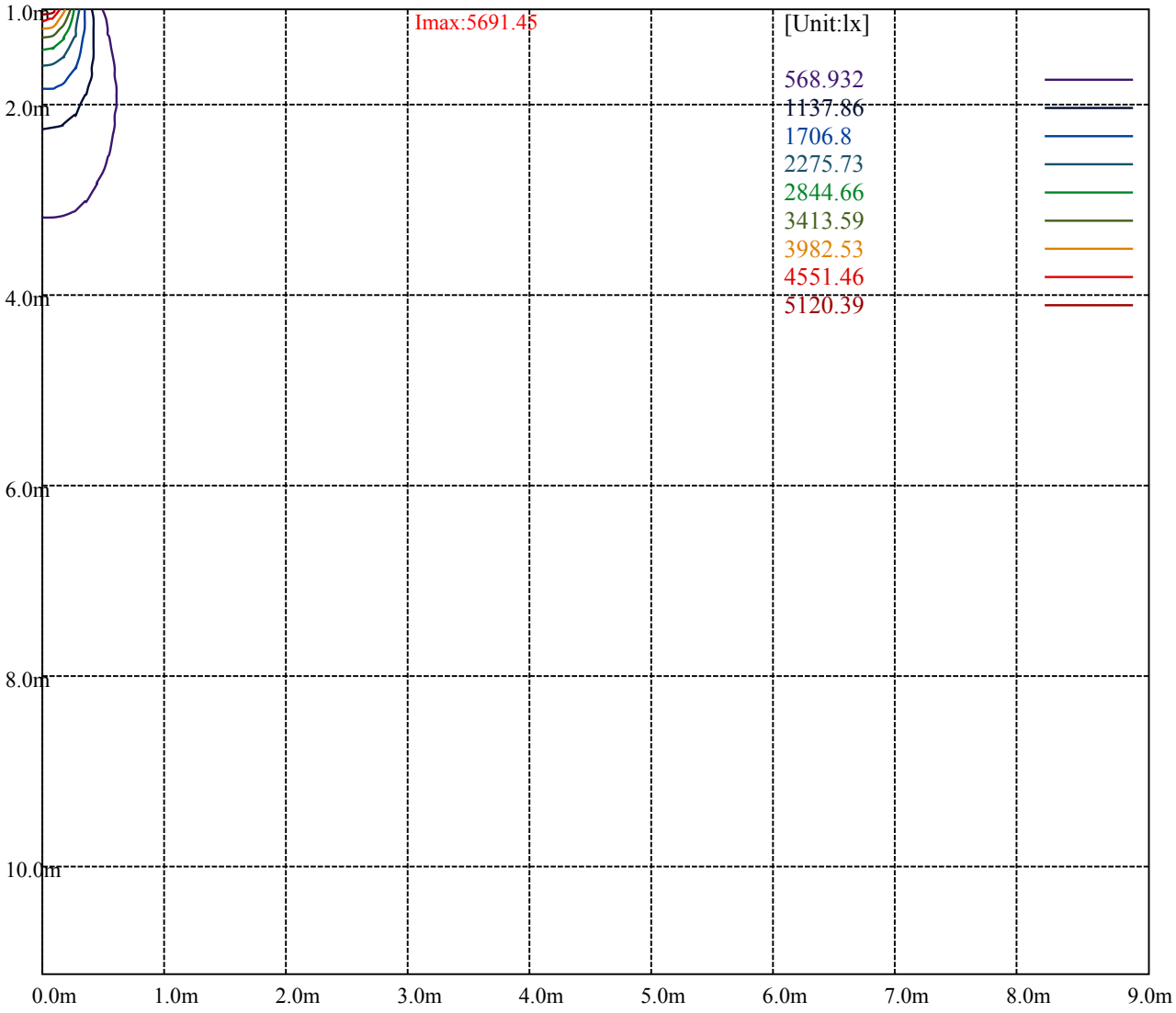
House [Unit:cd] Road

Imax:5691.45

(10%Imax) 569.144
(20%Imax) 1138.29
(30%Imax) 1707.43
(40%Imax) 2276.58
(50%Imax) 2845.72
(60%Imax) 3414.87
(70%Imax) 3984.01
(80%Imax) 4553.16
(90%Imax) 5122.3

Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2688-L

Luminance Limitting Curve(no luminous side)

Luminance Table

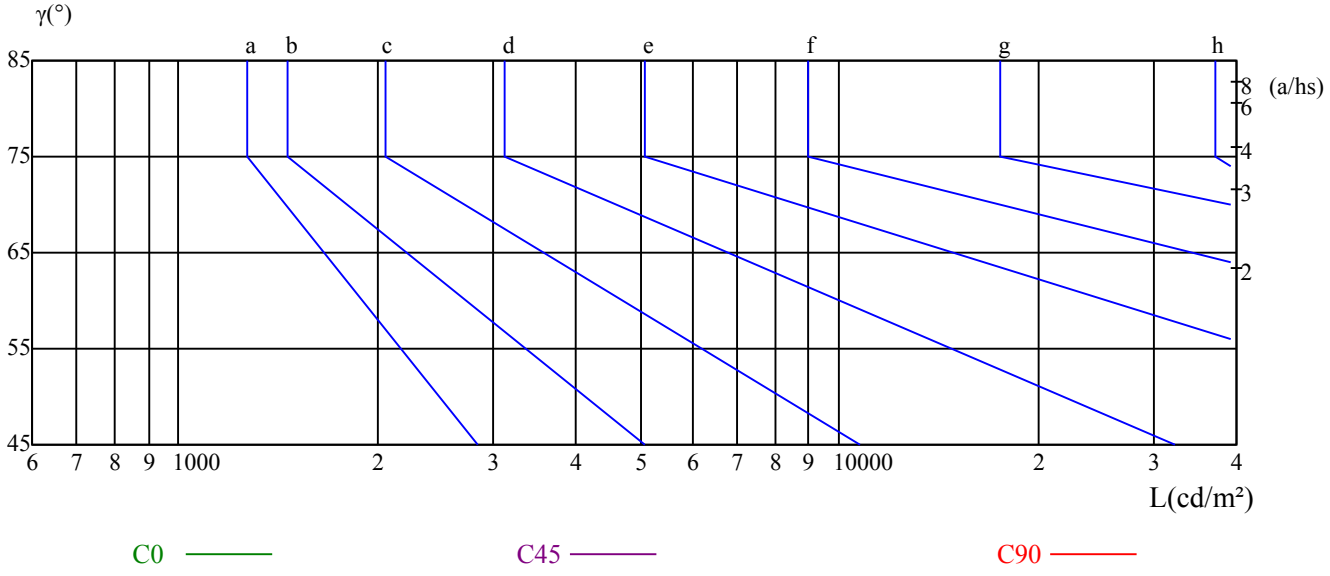
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

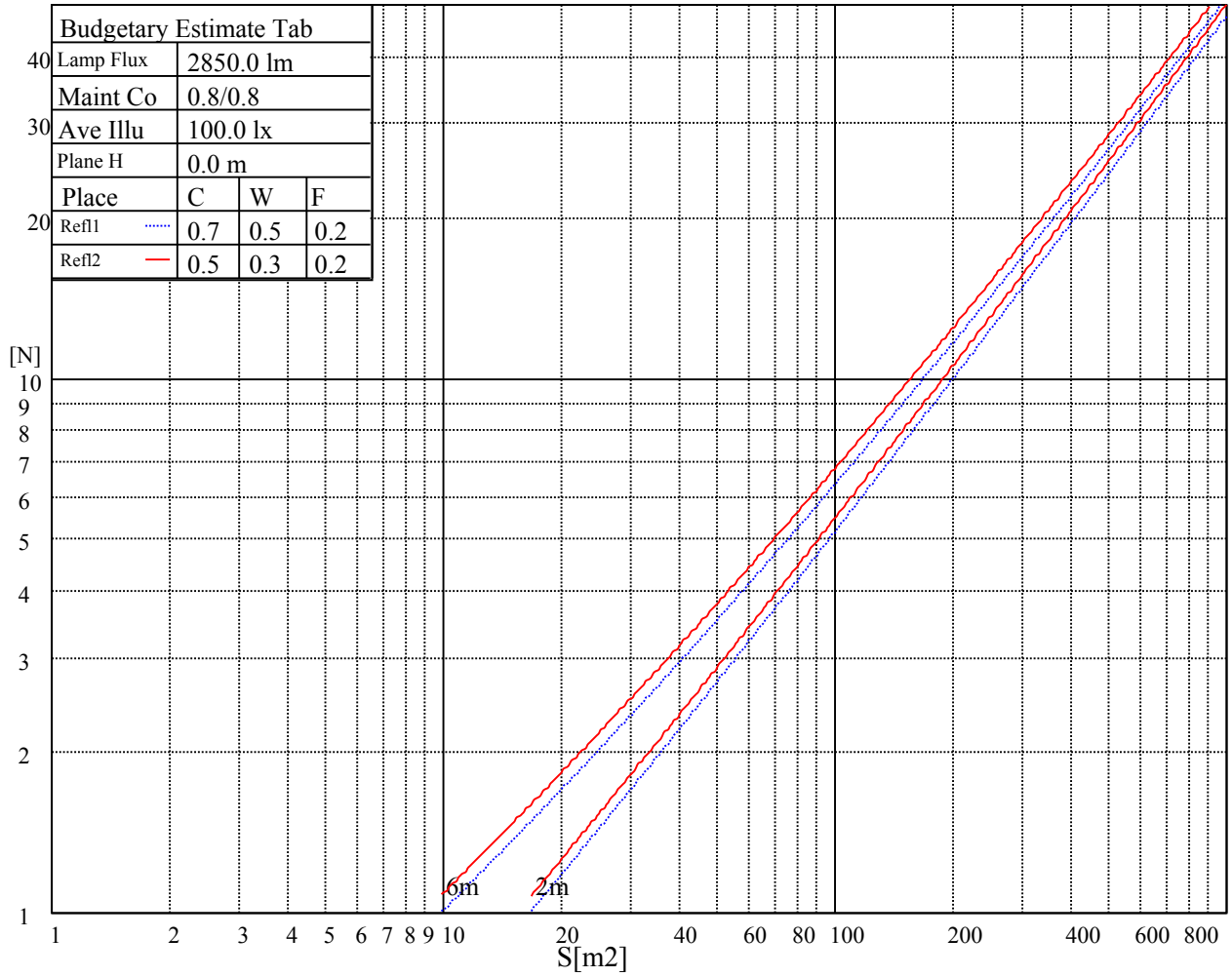


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

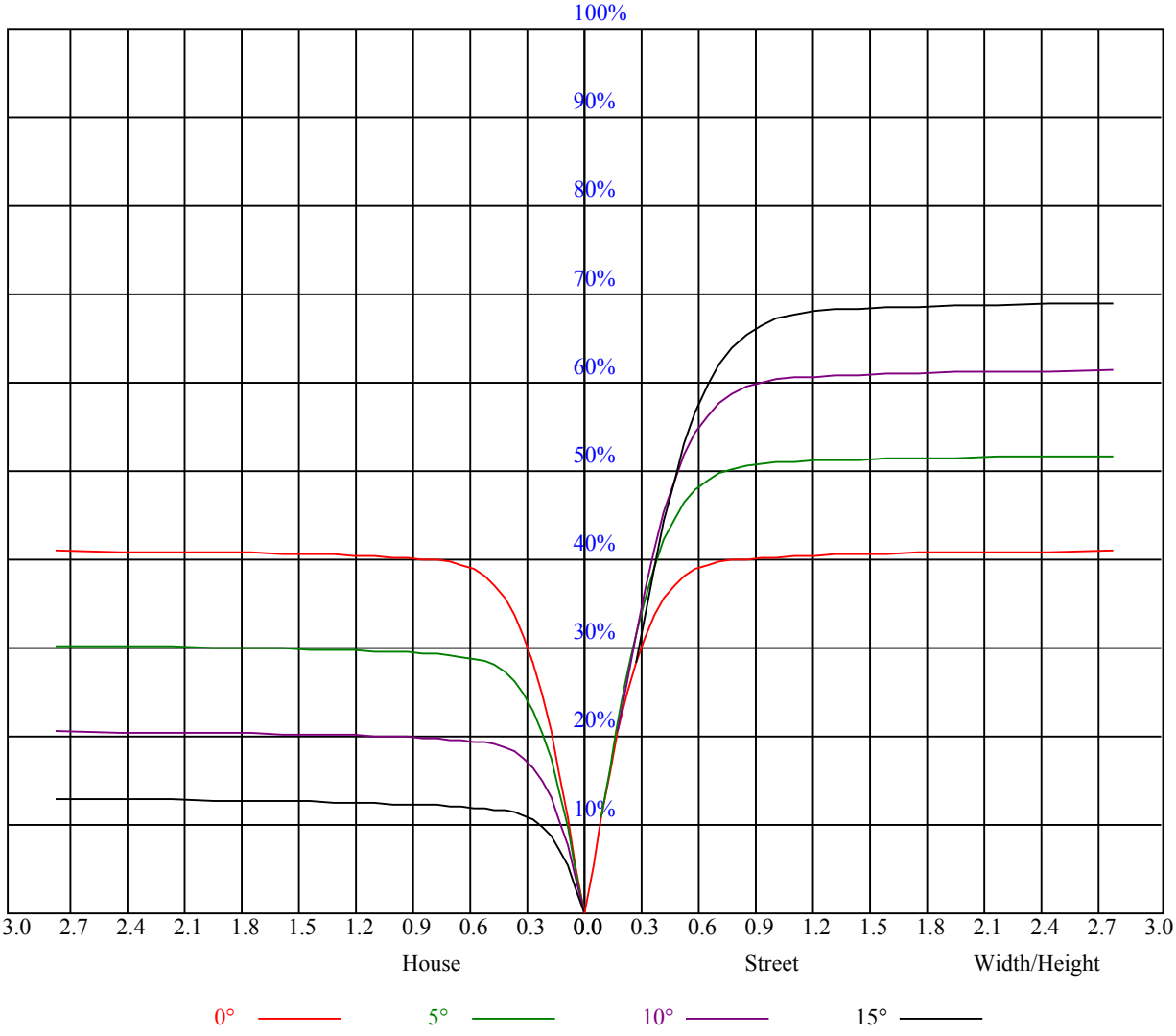


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

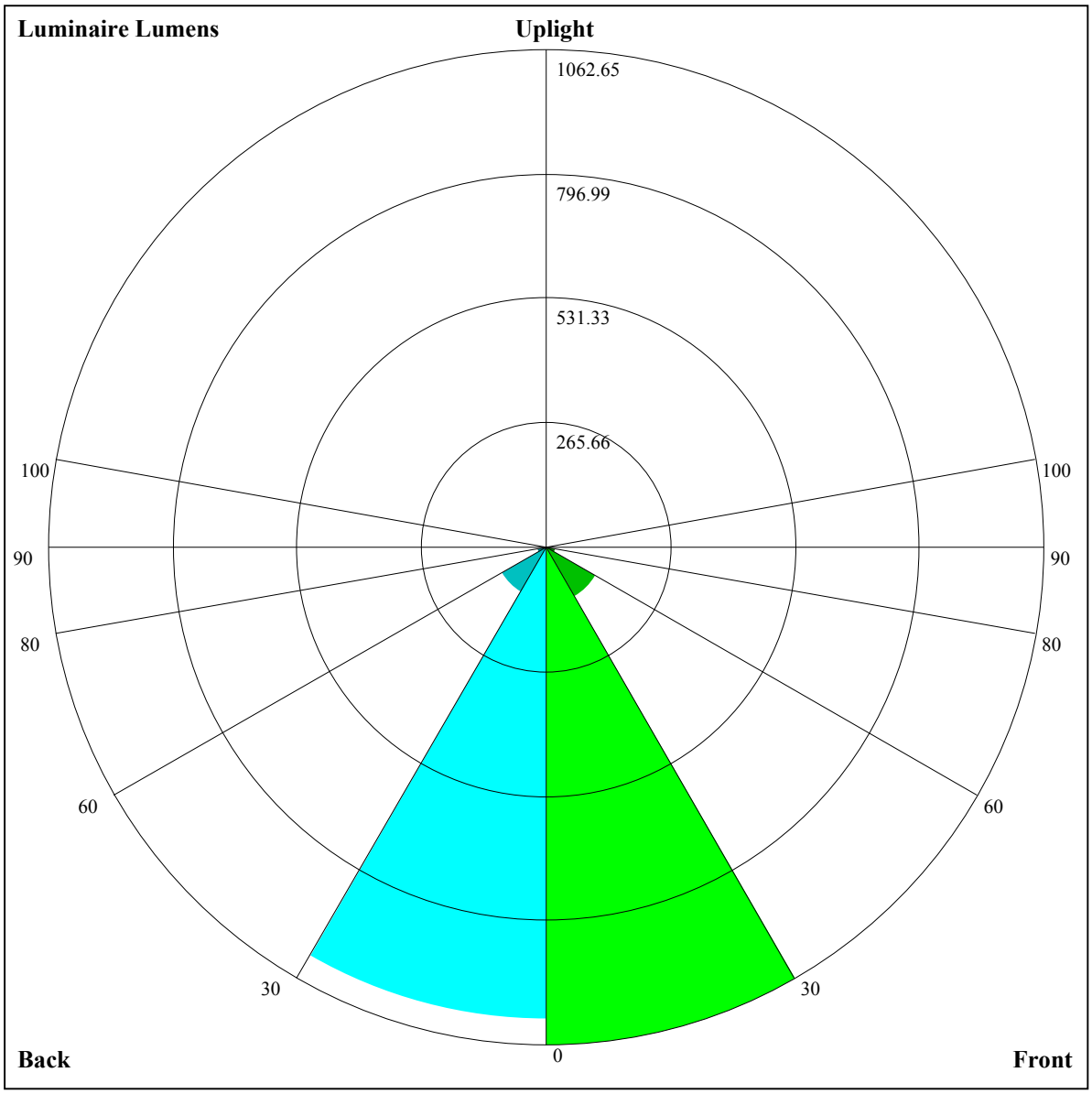
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.89	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.79	0.80	0.78	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.70
4	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=1062.65,FM=122.91,FH=20.14,FVH=6.35
BL=1007.3,BM=110.66,BH=20.6,BVH=6.26
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	5684.35	5714.20	5736.43	5720.63	5683.18	5615.88	5535.70	5418.07	5265.33
45.0	5688.45	5687.86	5690.20	5708.93	5705.42	5667.38	5620.56	5556.18	5419.24
90.0	5676.74	5662.11	5667.38	5651.58	5617.63	5575.50	5471.33	5350.19	5200.95
135.0	5707.76	5673.81	5659.18	5653.92	5616.46	5573.16	5508.20	5405.20	5227.87
180.0	5684.35	5673.81	5674.99	5651.58	5619.97	5531.02	5422.17	5274.69	5096.20
225.0	5688.45	5692.54	5649.24	5607.10	5516.97	5403.44	5204.46	5012.51	4808.85
270.0	5676.74	5695.47	5706.59	5672.06	5634.02	5586.62	5464.30	5338.48	5157.65
315.0	5707.76	5731.75	5704.83	5660.35	5606.51	5504.68	5376.52	5226.70	5053.48
360.0	5684.35	5714.20	5736.43	5720.63	5683.18	5615.88	5535.70	5418.07	5265.33

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5040.60	4851.57	4657.28	4399.78	4174.47	3940.96	3640.16	3396.70	3157.93
45.0	5264.74	5092.10	4846.89	4655.52	4453.62	4173.88	3935.70	3627.28	3379.15
90.0	4956.33	4743.89	4526.19	4246.45	4010.02	3774.17	3475.71	3241.62	3006.94
135.0	5050.55	4845.14	4632.70	4371.69	4147.55	3912.29	3605.04	3358.66	3118.72
180.0	4841.04	4627.43	4410.90	4178.57	3881.86	3636.06	3389.68	3150.32	2885.22
225.0	4604.61	4348.28	4127.07	3887.12	3643.67	3332.91	3108.19	2886.97	2608.41
270.0	4928.82	4736.28	4542.57	4268.69	4033.43	3794.07	3547.11	3245.72	3033.28
315.0	4830.51	4653.77	4453.04	4231.82	3997.15	3692.24	3449.96	3158.52	2937.89
360.0	5040.60	4851.57	4657.28	4399.78	4174.47	3940.96	3640.16	3396.70	3157.93

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2884.05	2666.34	2442.20	2225.08	1974.61	1790.26	1613.52	1330.27	1144.58
45.0	3138.03	2923.84	2658.15	2435.18	2215.72	2016.74	1785.58	1614.11	1450.25
90.0	2727.79	2507.75	2291.80	2088.14	1846.44	1669.71	1502.33	1160.74	1160.74
135.0	2835.47	2618.94	2404.75	2138.47	1941.25	1758.66	1586.60	1385.87	1231.96
180.0	2649.37	2380.75	2177.10	1971.10	1731.74	1569.63	1408.70	1254.20	1075.12
225.0	2385.44	2120.91	1925.45	1748.71	1574.90	1151.55	1151.55	1081.26	948.01
270.0	2805.63	2578.56	2313.45	2116.23	1911.99	1690.19	1524.57	1328.52	1179.87
315.0	2715.50	2434.01	2217.48	2016.16	1786.75	1615.28	1333.79	1148.27	1112.69
360.0	2884.05	2666.34	2442.20	2225.08	1974.61	1790.26	1613.52	1330.27	1144.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1107.60	966.21	808.20	691.85	565.74	476.96	395.55	307.89	249.13
45.0	1254.78	1109.65	974.46	812.35	694.72	592.89	484.04	402.11	330.13
90.0	1018.35	853.73	735.45	627.36	510.73	429.26	354.00	288.16	220.45
135.0	1084.48	911.25	786.60	671.90	574.16	467.65	390.40	306.72	306.72
180.0	938.76	813.52	667.80	563.63	472.92	393.33	306.72	306.72	237.37
225.0	792.63	677.05	575.39	485.39	385.25	315.61	256.50	196.05	158.54
270.0	1037.66	879.65	756.17	636.20	537.88	427.27	351.19	300.28	300.28
315.0	976.51	844.48	721.99	589.67	496.97	411.59	319.53	259.61	199.33
360.0	1107.60	966.21	808.20	691.85	565.74	476.96	395.55	307.89	249.13

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	201.38	162.11	130.51	100.19	82.98	69.99	60.69	52.79	48.28
45.0	297.35	297.35	160.41	128.75	104.05	81.87	69.64	60.75	53.26
90.0	177.21	142.33	114.47	88.60	74.44	64.20	55.48	50.74	46.35
135.0	238.19	150.05	120.44	97.32	79.77	65.02	57.29	51.79	47.87
180.0	159.94	122.84	100.01	79.01	67.24	58.99	52.09	48.16	45.00
225.0	128.11	99.31	82.22	69.52	58.87	53.20	49.16	45.35	42.96
270.0	173.46	139.99	113.88	89.19	75.26	64.96	56.24	51.44	47.64
315.0	161.29	130.27	106.16	83.34	70.52	61.27	54.84	49.04	45.65
360.0	201.38	162.11	130.51	100.19	82.98	69.99	60.69	52.79	48.28

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	44.83	41.49	39.39	37.16	35.64	34.24	32.60	31.49	30.43
45.0	48.92	45.59	42.43	40.26	37.98	36.46	34.94	33.59	32.48
90.0	43.42	41.08	39.03	36.81	35.29	33.88	32.77	31.37	30.20
135.0	44.24	41.79	39.62	37.81	35.87	34.47	32.83	31.72	30.67
180.0	42.49	39.80	38.04	36.52	34.76	33.47	32.13	31.08	29.96
225.0	40.91	39.15	37.22	35.82	34.59	33.53	32.13	30.96	29.67
270.0	44.24	41.90	40.03	38.33	36.58	35.17	33.83	32.77	31.31
315.0	42.96	40.79	38.39	36.81	35.00	33.65	32.42	31.02	29.85
360.0	44.83	41.49	39.39	37.16	35.64	34.24	32.60	31.49	30.43

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.32	28.03	27.04	26.10	25.05	23.88	23.06	22.18	21.19
45.0	31.13	29.96	28.85	27.68	26.69	25.63	24.70	23.64	22.82
90.0	29.14	27.92	26.92	25.93	24.70	23.82	23.00	21.95	21.19
135.0	29.61	28.32	27.39	26.39	25.16	24.29	23.29	22.41	21.54
180.0	28.97	27.74	26.69	25.63	24.81	23.76	22.94	22.12	21.42
225.0	28.73	27.68	26.34	25.46	24.70	23.88	22.88	22.12	21.54
270.0	30.26	29.20	27.97	26.92	25.63	24.70	23.88	23.06	22.12
315.0	28.79	27.86	26.63	25.57	24.58	23.53	22.71	21.89	21.13
360.0	29.32	28.03	27.04	26.10	25.05	23.88	23.06	22.18	21.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.48	19.72	19.08	18.49	17.79	17.38	17.03	16.97	17.09
45.0	21.95	21.01	20.42	19.78	19.02	18.49	18.20	18.26	18.84
90.0	20.54	19.78	19.14	18.55	18.26	18.67	19.14	20.37	21.30
135.0	20.78	19.96	19.31	18.67	18.14	17.56	17.09	16.56	16.09
180.0	20.60	20.01	19.25	18.90	18.61	18.20	17.85	18.08	18.84
225.0	20.95	20.25	19.78	19.49	19.02	18.96	19.49	21.01	22.24
270.0	21.42	21.48	22.06	22.36	22.36	23.41	25.16	26.51	27.33
315.0	20.25	19.66	18.84	18.26	17.85	17.21	16.74	16.27	15.86
360.0	20.48	19.72	19.08	18.49	17.79	17.38	17.03	16.97	17.09

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.73	18.08	18.26	18.08	17.97	17.44	16.80	15.63	14.81
45.0	19.31	19.96	20.54	20.60	20.48	19.72	18.55	17.03	15.80
90.0	21.07	20.78	20.25	19.25	19.14	18.73	17.79	16.91	14.63
135.0	15.68	15.33	14.92	14.46	14.16	13.75	13.46	13.11	12.87
180.0	19.43	19.90	20.31	20.13	19.90	19.20	17.97	16.44	14.34
225.0	23.06	24.05	24.17	24.35	23.17	20.72	18.67	16.44	14.40
270.0	27.68	27.68	26.69	25.81	24.99	24.23	23.12	21.48	18.49
315.0	15.39	15.04	14.63	14.28	13.87	13.58	13.23	12.93	12.58
360.0	17.73	18.08	18.26	18.08	17.97	17.44	16.80	15.63	14.81

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.40	12.11	11.76	11.47	11.24	10.89	10.59	10.36	10.24
45.0	14.22	12.93	12.41	12.06	11.59	11.53	11.00	10.65	10.42
90.0	12.17	11.76	11.53	11.29	11.12	10.65	10.48	10.30	10.24
135.0	12.52	12.23	12.00	11.76	11.41	10.71	10.48	10.24	10.12
180.0	12.52	12.17	12.00	11.88	11.00	10.53	10.18	10.07	10.01
225.0	12.52	12.11	11.88	11.29	10.83	10.36	10.24	10.07	10.07
270.0	14.86	12.35	11.94	11.65	11.41	10.83	10.48	10.24	10.07
315.0	12.41	12.11	11.76	11.47	11.24	10.59	10.42	10.24	10.01
360.0	13.40	12.11	11.76	11.47	11.24	10.89	10.59	10.36	10.24

Intensity data(cd)

C/γ(°)	90.0
0.0	10.30
45.0	10.42
90.0	10.12
135.0	10.07
180.0	10.01
225.0	10.07
270.0	10.07
315.0	10.01
360.0	10.30