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

NT

Client:
LumCAT: 2-2685-L
Luminaire: 92.70.412.00
Report No: 2024322-B016
Ballast type: AC

Test No: 2024322-C016	Voltage(V): 34.710
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.027
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2977.64, Efficiency(%): 85.42% , Luminous Efficacy(lm/W): 148.68
Central intensity(cd): 4946.088, Maximum intensity(cd): 4946.088
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=46.2
[C90/270]Total=46.2
Field angle(10%Imax): [C0/180]Total=70.4
[C90/270]Total=70.4
Maximum s/h(1/2): C0_180=0.74 C90_270=0.74
Maximum s/h(1/4): C0_180=0.73 C90_270=0.73
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.42%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.956%

NT 2-2685-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4946.088	0.000	0	0.00%	0.00%
1.0	4938.992	4.730	4.73	0.14%	0.16%
2.0	4920.777	14.152	18.882	0.41%	0.63%
3.0	4896.856	23.481	42.362	0.67%	1.42%
4.0	4865.619	32.678	75.04	0.94%	2.52%
5.0	4826.190	41.694	116.734	1.20%	3.92%
6.0	4779.811	50.482	167.216	1.45%	5.62%
7.0	4726.994	59.009	226.224	1.69%	7.60%
8.0	4660.132	67.182	293.406	1.93%	9.85%
9.0	4574.323	74.840	368.247	2.15%	12.37%
10.0	4484.199	81.976	450.223	2.35%	15.12%
11.0	4381.492	88.586	538.809	2.54%	18.10%
12.0	4268.397	94.556	633.365	2.71%	21.27%
13.0	4140.672	99.794	733.16	2.86%	24.62%
14.0	4012.069	104.354	837.514	2.99%	28.13%
15.0	3879.076	108.333	945.847	3.11%	31.77%
16.0	3727.576	111.459	1057.306	3.20%	35.51%
17.0	3564.664	113.560	1170.866	3.26%	39.32%
18.0	3390.633	114.678	1285.543	3.29%	43.17%
19.0	3215.577	114.935	1400.478	3.30%	47.03%
20.0	3033.938	114.383	1514.861	3.28%	50.87%
21.0	2850.909	113.001	1627.862	3.24%	54.67%
22.0	2660.784	110.760	1738.622	3.18%	58.39%
23.0	2485.582	107.985	1846.607	3.10%	62.02%
24.0	2320.183	105.071	1951.678	3.01%	65.54%
25.0	2148.712	101.613	2053.291	2.91%	68.96%
26.0	1986.824	97.620	2150.911	2.80%	72.24%
27.0	1820.767	93.154	2244.064	2.67%	75.36%
28.0	1634.299	87.475	2331.539	2.51%	78.30%
29.0	1383.552	78.956	2410.495	2.26%	80.95%
30.0	1248.161	71.056	2481.551	2.04%	83.34%
31.0	1131.167	66.213	2547.764	1.90%	85.56%
32.0	964.714	60.045	2607.808	1.72%	87.58%
33.0	811.612	52.331	2660.14	1.50%	89.34%
34.0	657.793	44.469	2704.608	1.28%	90.83%
35.0	513.645	36.381	2740.989	1.04%	92.05%
36.0	396.007	28.963	2769.952	0.83%	93.03%
37.0	298.150	22.640	2792.592	0.65%	93.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	241.632	18.017	2810.609	0.52%	94.39%
39.0	166.599	13.934	2824.543	0.40%	94.86%
40.0	110.864	9.677	2834.22	0.28%	95.18%
41.0	88.691	7.106	2841.326	0.20%	95.42%
42.0	78.713	6.082	2847.408	0.17%	95.63%
43.0	71.273	5.556	2852.964	0.16%	95.81%
44.0	65.472	5.161	2858.125	0.15%	95.99%
45.0	60.395	4.837	2862.962	0.14%	96.15%
46.0	56.686	4.579	2867.541	0.13%	96.30%
47.0	53.241	4.372	2871.913	0.13%	96.45%
48.0	50.520	4.195	2876.108	0.12%	96.59%
49.0	47.806	4.038	2880.145	0.12%	96.73%
50.0	45.472	3.889	2884.034	0.11%	96.86%
51.0	43.197	3.751	2887.786	0.11%	96.98%
52.0	41.134	3.619	2891.405	0.10%	97.10%
53.0	39.371	3.502	2894.907	0.10%	97.22%
54.0	37.688	3.396	2898.303	0.10%	97.34%
55.0	36.182	3.297	2901.6	0.09%	97.45%
56.0	34.806	3.208	2904.808	0.09%	97.55%
57.0	33.585	3.127	2907.935	0.09%	97.66%
58.0	32.143	3.039	2910.975	0.09%	97.76%
59.0	30.761	2.941	2913.915	0.08%	97.86%
60.0	29.481	2.846	2916.761	0.08%	97.96%
61.0	28.135	2.750	2919.511	0.08%	98.05%
62.0	26.759	2.645	2922.156	0.08%	98.14%
63.0	25.384	2.536	2924.692	0.07%	98.22%
64.0	24.184	2.432	2927.124	0.07%	98.30%
65.0	23.094	2.340	2929.464	0.07%	98.38%
66.0	22.151	2.257	2931.722	0.06%	98.46%
67.0	21.346	2.187	2933.909	0.06%	98.53%
68.0	20.534	2.122	2936.03	0.06%	98.60%
69.0	20.029	2.069	2938.1	0.06%	98.67%
70.0	19.839	2.048	2940.147	0.06%	98.74%
71.0	19.846	2.051	2942.198	0.06%	98.81%
72.0	19.978	2.071	2944.269	0.06%	98.88%
73.0	20.117	2.097	2946.366	0.06%	98.95%
74.0	20.256	2.123	2948.488	0.06%	99.02%
75.0	20.293	2.142	2950.631	0.06%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.263	2.153	2952.784	0.06%	99.17%
77.0	20.154	2.155	2954.939	0.06%	99.24%
78.0	20.007	2.150	2957.088	0.06%	99.31%
79.0	19.729	2.135	2959.223	0.06%	99.38%
80.0	19.312	2.105	2961.328	0.06%	99.45%
81.0	18.661	2.054	2963.382	0.06%	99.52%
82.0	17.740	1.974	2965.356	0.06%	99.59%
83.0	16.598	1.867	2967.223	0.05%	99.65%
84.0	15.296	1.738	2968.96	0.05%	99.71%
85.0	14.126	1.606	2970.566	0.05%	99.76%
86.0	13.380	1.503	2972.069	0.04%	99.81%
87.0	12.919	1.439	2973.509	0.04%	99.86%
88.0	12.641	1.400	2974.909	0.04%	99.91%
89.0	12.399	1.373	2976.281	0.04%	99.95%
90.0	12.356	1.357	2977.639	0.04%	100.00%

Zonal flux distribution table

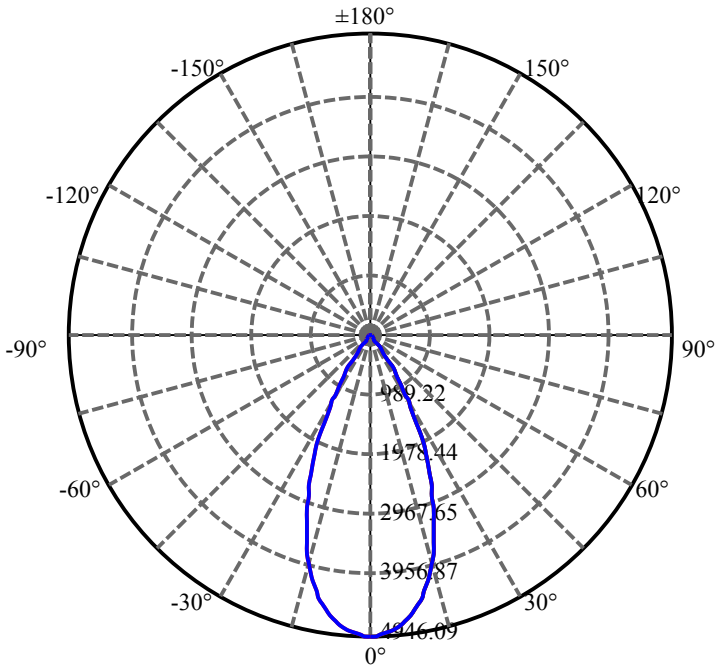
ZONAL LUMEN SUMMARY

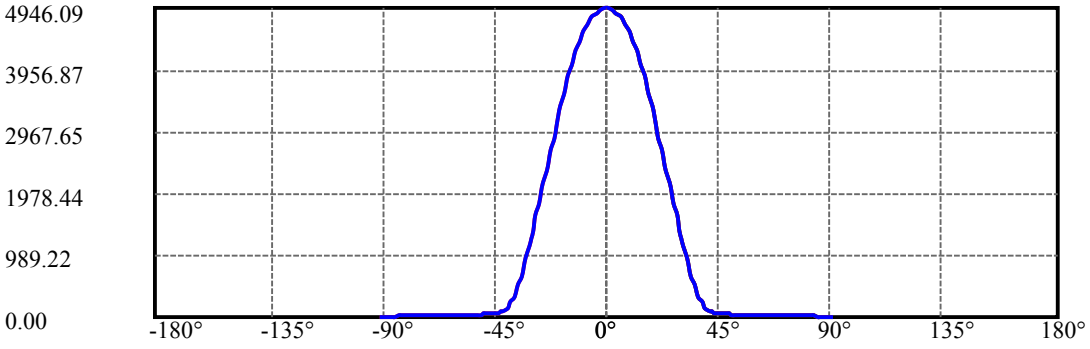
Zone	Lumens	%Lamp	%Fixt
0-30	2481.55	71.19%	83.34%
0-40	2834.22	81.30%	95.18%
0-60	2916.76	83.67%	97.96%
0-90	2976.28	85.38%	99.95%
0-120	2976.28	85.38%	99.95%
0-180	2977.64	85.42%	100.00%
60-90	59.52	1.71%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.64	2382.11	68.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	450.22
10-20	1064.64
20-30	966.69
30-40	352.67
40-50	49.81
50-60	32.73
60-70	23.39
70-80	21.18
80-90	14.95
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):

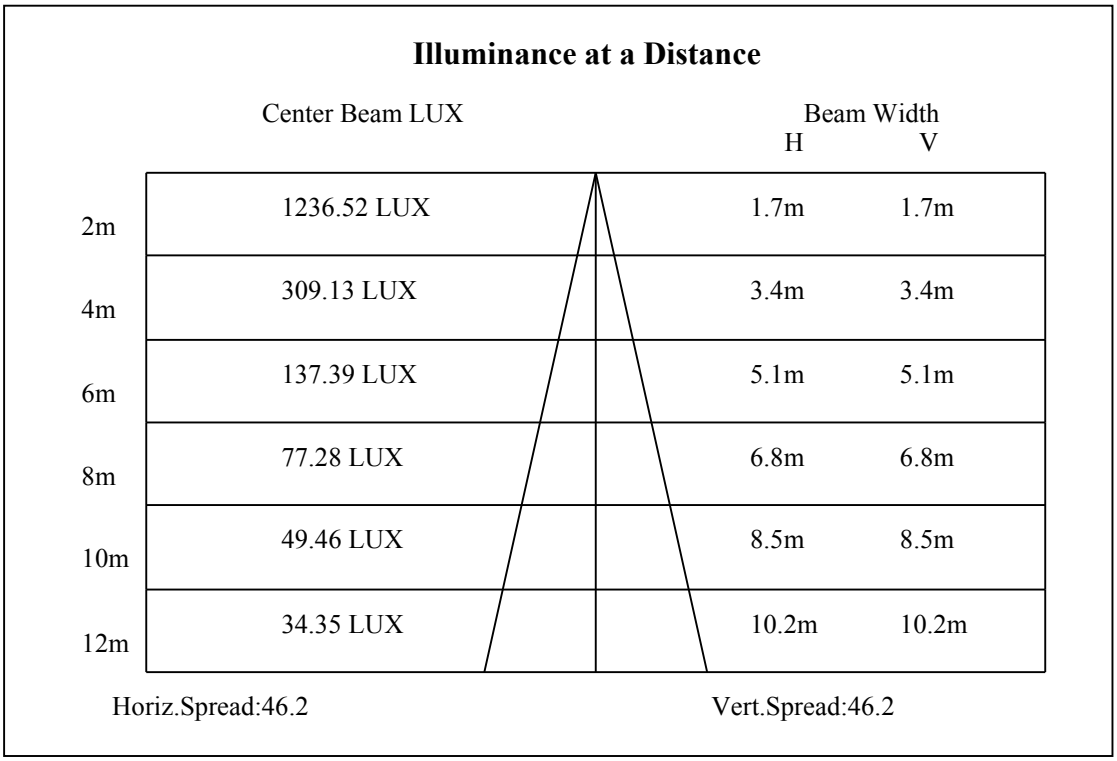
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.2 Right:35.2
:C90/270Left:35.2 Right:35.2

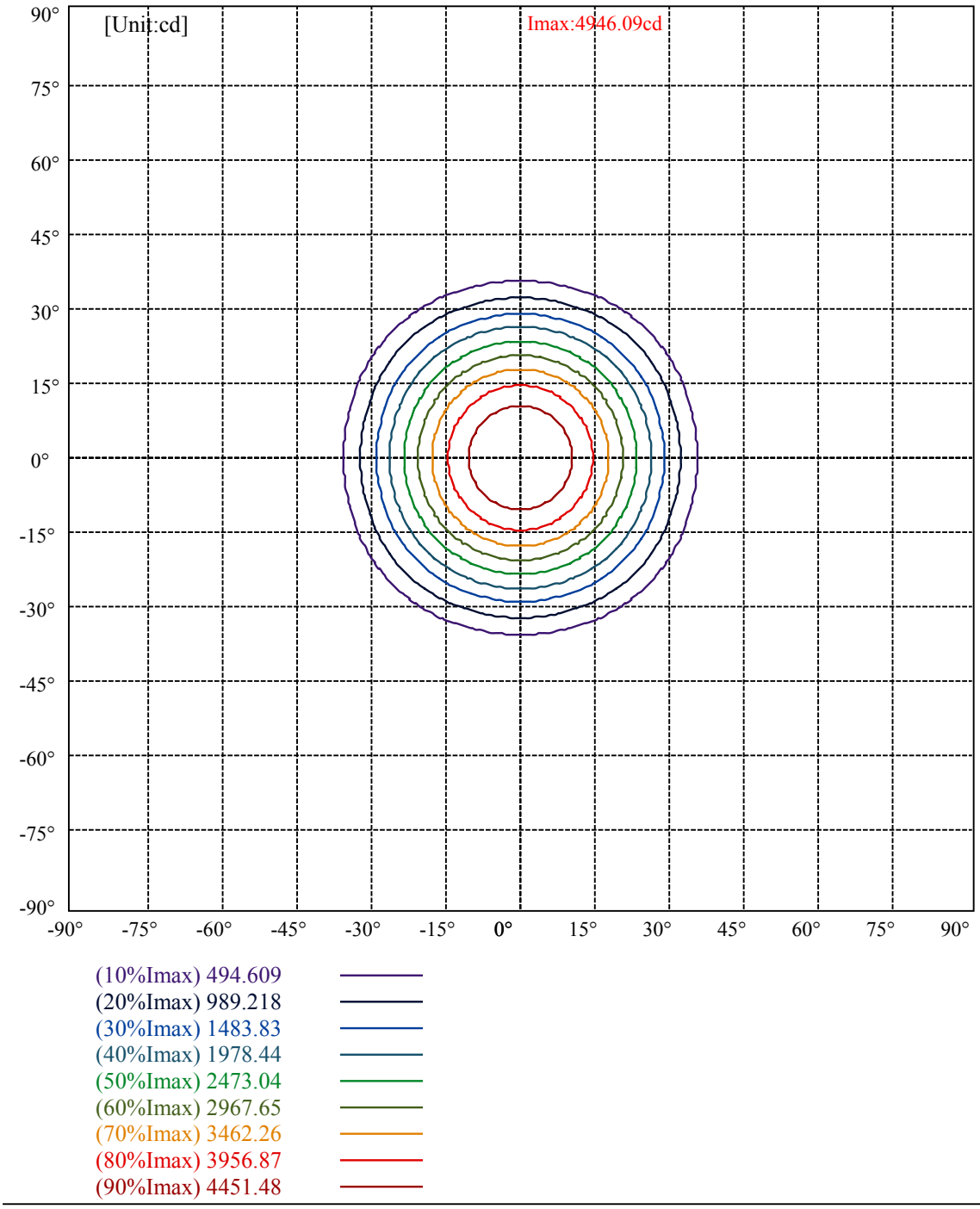
Beam Angle(50%Imax):C0/180Left:23.1 Right:23.1
:C90/270Left:23.1 Right:23.1

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

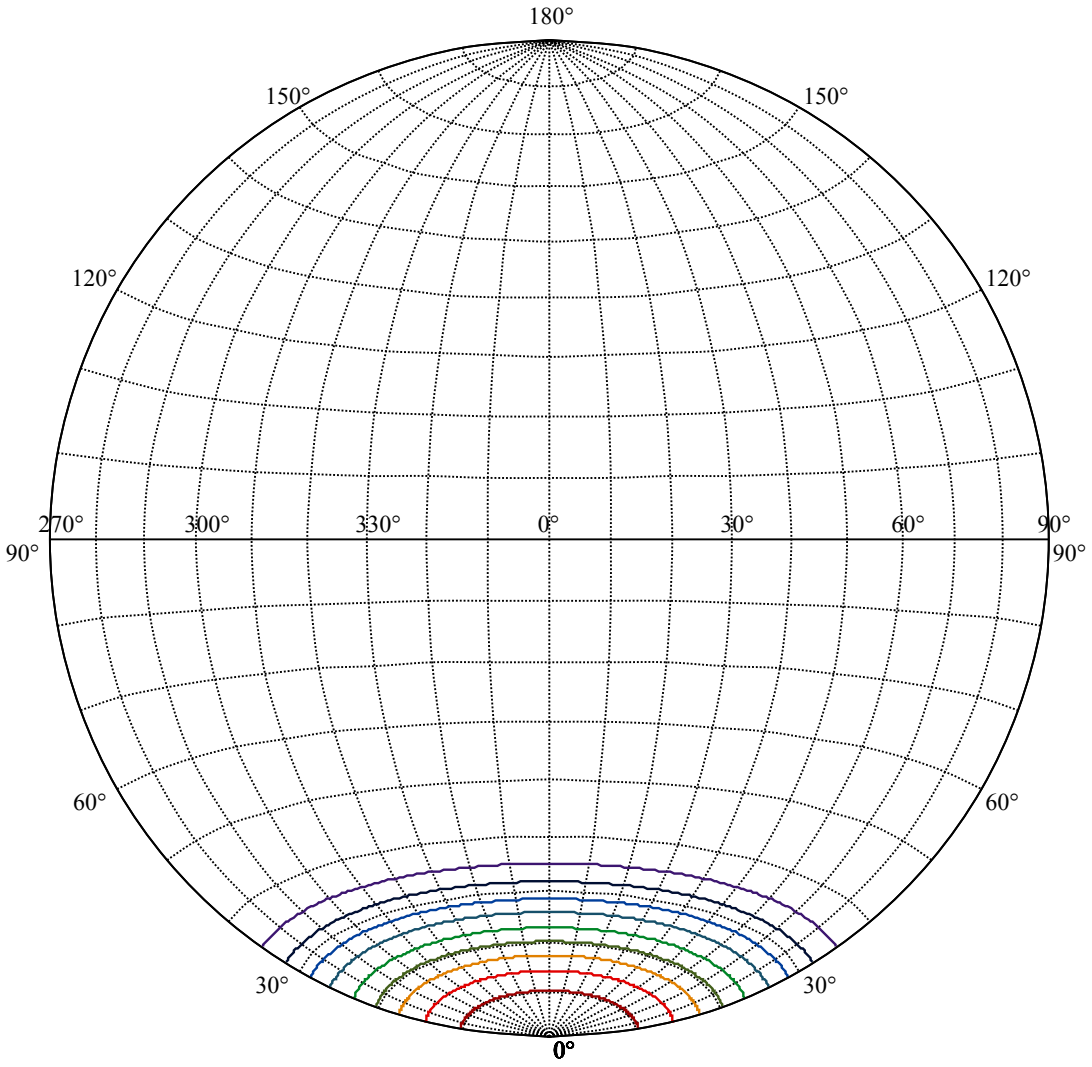


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



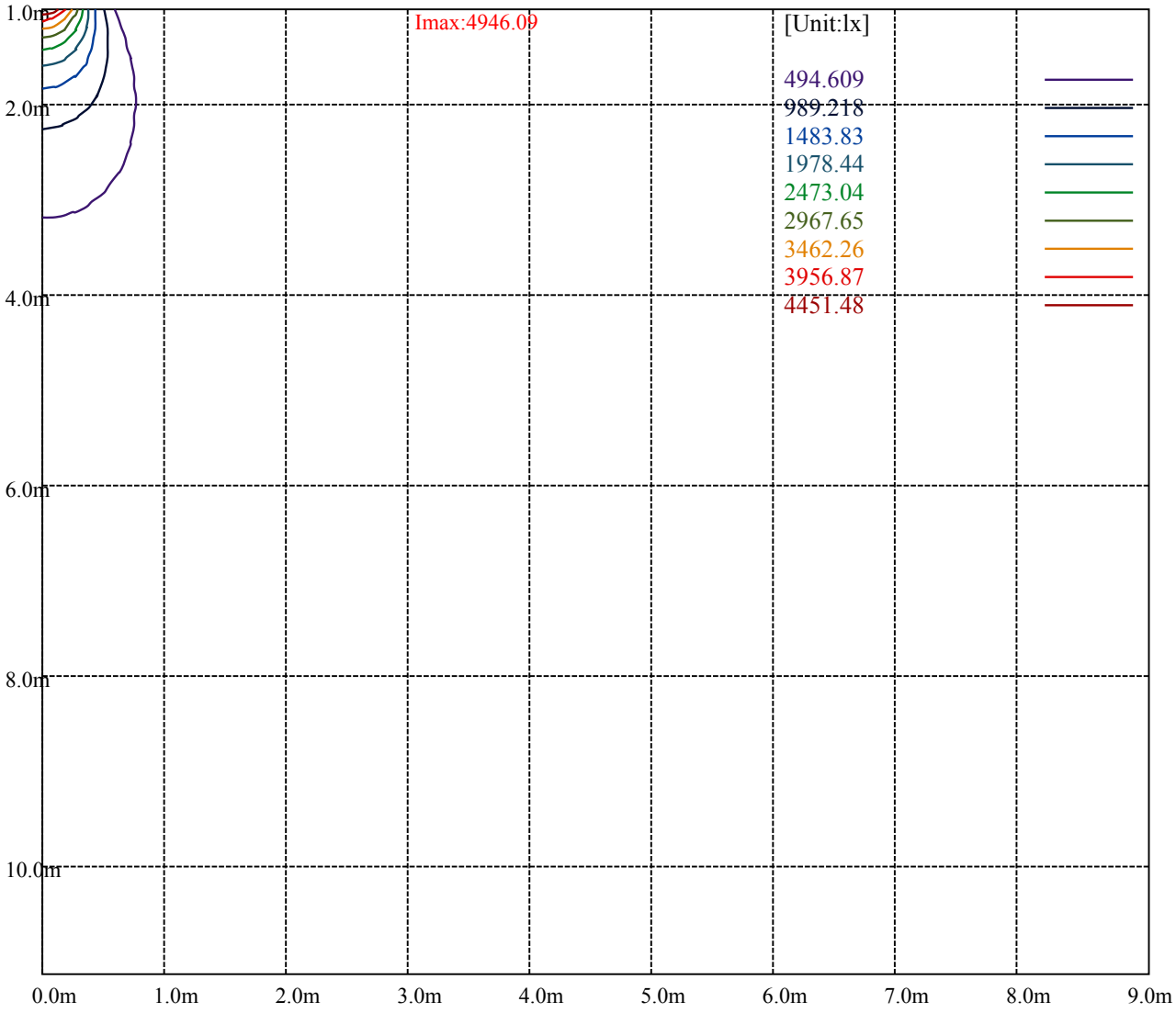
House [Unit:cd] Road

Imax:4946.09

(10%Imax) 494.609
(20%Imax) 989.218
(30%Imax) 1483.83
(40%Imax) 1978.44
(50%Imax) 2473.04
(60%Imax) 2967.65
(70%Imax) 3462.26
(80%Imax) 3956.87
(90%Imax) 4451.48

Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2685-L

Luminance Limitting Curve(no luminous side)

Luminance Table

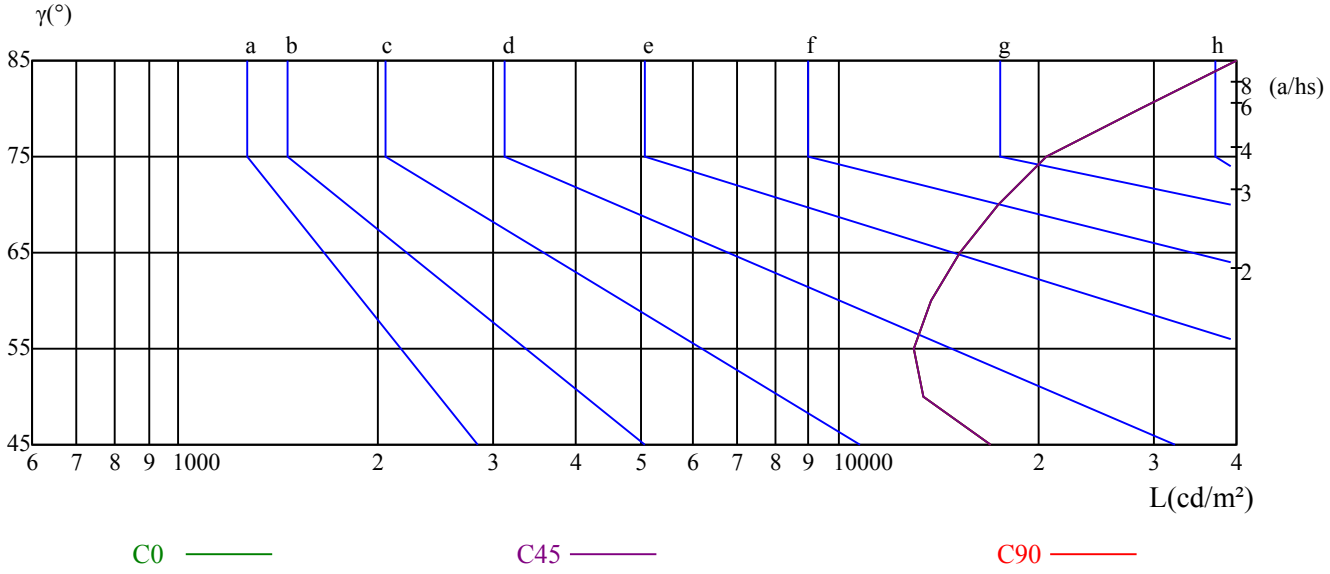
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

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
Temperature(°C): 25.0

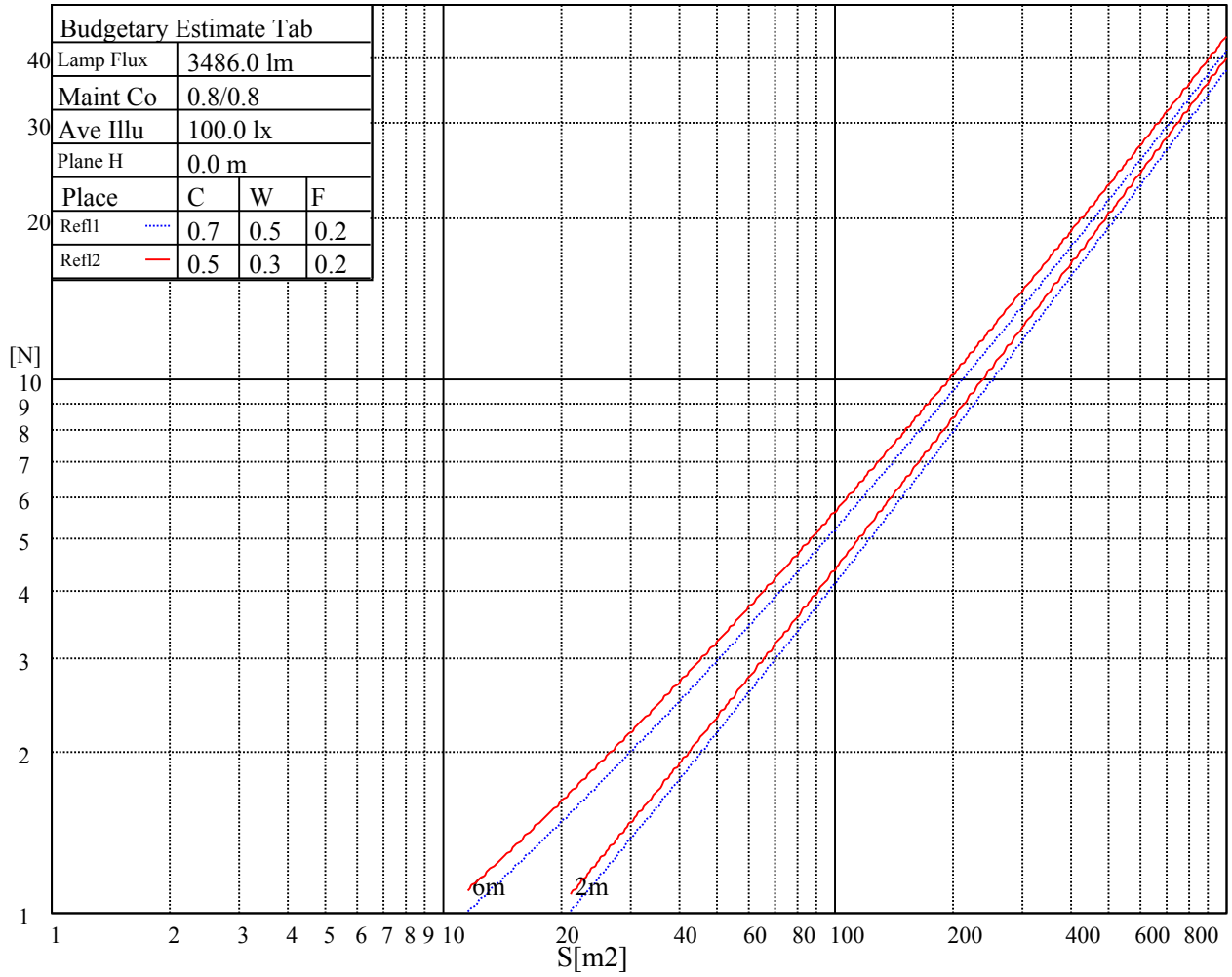
Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
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

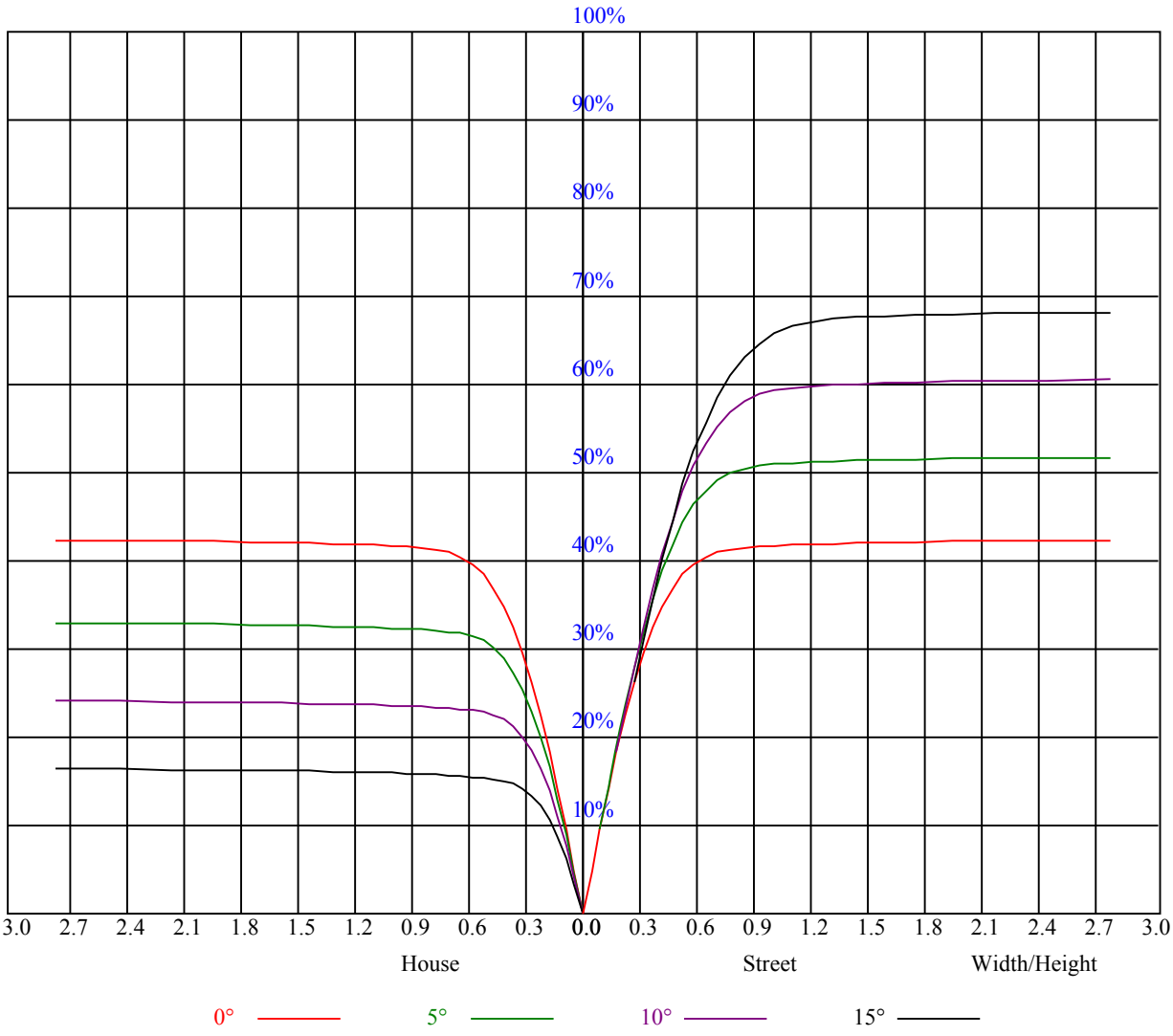


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

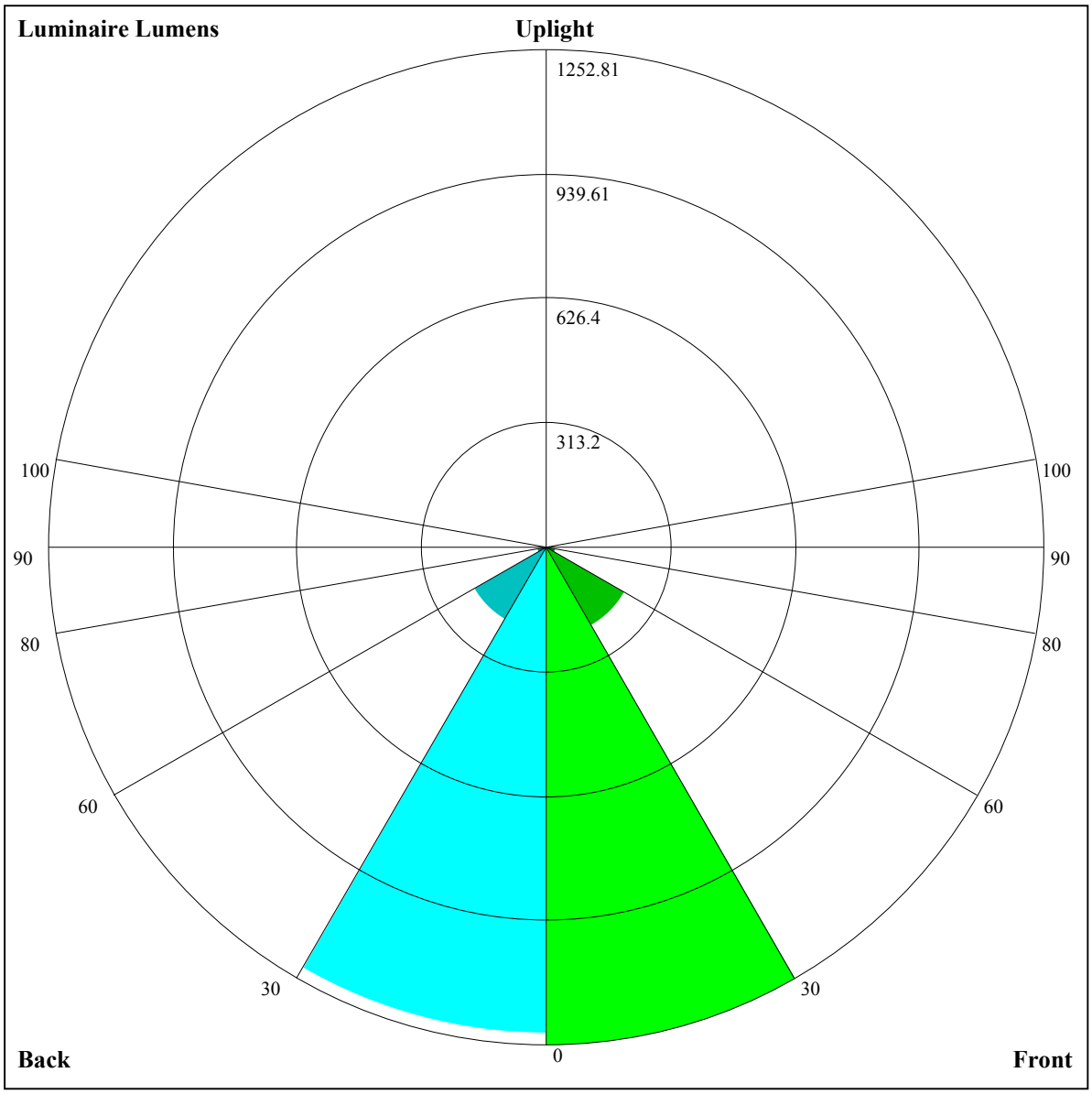
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	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	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.85	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.83	0.79	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.63
6	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.53	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1252.81,FM=226.01,FH=22.28,FVH=8.24
BL=1226.1,BM=210.25,BH=22.32,BVH=8.09
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	4955.74	4943.45	4928.24	4901.90	4874.98	4832.26	4793.64	4742.72	4685.37
45.0	4944.04	4948.72	4938.19	4920.63	4897.22	4859.77	4828.16	4786.61	4738.63
90.0	4942.87	4924.14	4901.90	4877.91	4845.14	4801.83	4759.11	4706.44	4623.34
135.0	4941.70	4938.19	4919.46	4899.56	4866.79	4836.94	4800.07	4753.84	4680.10
180.0	4955.74	4948.72	4929.41	4903.66	4876.74	4831.09	4790.13	4733.36	4666.64
225.0	4944.04	4928.82	4906.00	4878.49	4831.68	4788.37	4719.31	4649.09	4570.08
270.0	4942.87	4946.38	4936.43	4913.02	4886.69	4855.67	4799.49	4749.74	4687.71
315.0	4941.70	4933.51	4906.58	4879.66	4845.72	4803.59	4748.57	4694.15	4629.19
360.0	4955.74	4943.45	4928.24	4901.90	4874.98	4832.26	4793.64	4742.72	4685.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4597.00	4513.31	4417.34	4312.58	4175.05	4055.08	3896.49	3763.64	3614.99
45.0	4666.64	4598.76	4494.00	4395.68	4293.27	4153.99	4030.50	3897.66	3719.16
90.0	4545.50	4453.04	4328.97	4218.95	4099.56	3942.13	3803.44	3655.96	3506.14
135.0	4607.53	4522.68	4430.80	4300.29	4189.10	4069.71	3942.72	3773.59	3626.11
180.0	4570.67	4481.13	4379.88	4271.03	4125.31	3999.49	3868.98	3728.53	3542.43
225.0	4456.55	4355.89	4247.62	4132.33	3981.34	3853.18	3716.24	3571.69	3370.37
270.0	4599.93	4512.73	4418.51	4288.59	4176.22	4059.18	3934.53	3764.81	3621.43
315.0	4550.77	4436.06	4334.82	4227.72	4085.51	3963.79	3839.72	3664.74	3516.68
360.0	4597.00	4513.31	4417.34	4312.58	4175.05	4055.08	3896.49	3763.64	3614.99

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3418.94	3253.91	3083.61	2910.97	2697.36	2532.33	2371.39	2182.95	2031.37
45.0	3572.27	3418.36	3253.91	3037.96	2860.64	2692.09	2528.23	2329.84	2177.10
90.0	3309.51	3141.55	2970.08	2798.02	2587.34	2423.48	2262.54	2067.66	1916.09
135.0	3475.71	3273.81	3104.68	2892.24	2718.43	2553.40	2353.25	2194.65	2037.23
180.0	3333.50	3164.96	2988.22	2814.41	2601.97	2432.25	2272.49	2129.69	1936.57
225.0	3197.14	3026.84	2810.31	2632.40	2428.74	2273.07	2120.33	1964.66	1773.29
270.0	3459.91	3293.70	3081.27	2912.14	2745.93	2531.16	2365.54	2177.10	2030.79
315.0	3358.08	3151.50	2979.44	2809.14	2645.86	2446.88	2287.70	2143.15	1992.16
360.0	3418.94	3253.91	3083.61	2910.97	2697.36	2532.33	2371.39	2182.95	2031.37

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1876.29	1715.94	1517.55	1157.75	1157.75	1006.70	857.12	673.42	542.62
45.0	2020.26	1825.38	1668.53	1470.14	1313.89	1162.90	1008.99	821.71	678.92
90.0	1721.79	1556.76	1160.09	1160.09	1048.20	898.38	750.90	611.33	454.37
135.0	1881.56	1674.97	1512.87	1346.66	1191.58	998.45	848.63	705.25	542.56
180.0	1776.80	1618.79	1413.38	1254.20	1092.09	900.13	752.66	615.72	461.80
225.0	1613.52	1326.18	1130.42	1092.97	938.64	791.46	649.83	491.82	378.11
270.0	1876.88	1719.45	1517.55	1355.44	1197.43	1044.10	855.66	711.11	577.09
315.0	1799.04	1636.93	1148.04	1148.04	1109.76	915.58	769.10	631.98	473.68
360.0	1876.29	1715.94	1517.55	1157.75	1157.75	1006.70	857.12	673.42	542.62

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	425.63	321.35	233.56	149.06	112.71	92.47	82.81	75.03	68.59
45.0	549.58	427.27	295.01	295.01	192.66	108.50	90.48	81.58	74.21
90.0	343.76	250.77	174.22	112.30	91.30	82.34	73.68	66.89	60.98
135.0	423.76	316.67	316.67	141.51	105.16	85.91	77.72	70.75	65.19
180.0	352.36	303.21	303.21	117.16	95.57	85.91	76.66	70.05	63.91
225.0	258.96	182.24	128.57	100.83	86.67	78.36	70.11	64.90	60.69
270.0	455.36	321.93	298.52	298.52	108.38	91.94	82.52	73.27	67.30
315.0	358.63	261.77	183.29	118.39	94.46	84.10	75.73	67.71	62.91
360.0	425.63	321.35	233.56	149.06	112.71	92.47	82.81	75.03	68.59

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	62.21	58.29	54.84	51.97	48.69	46.29	43.66	41.67	39.85
45.0	66.54	61.92	57.24	53.96	51.21	48.63	45.65	43.60	41.61
90.0	57.06	53.96	50.62	48.40	46.17	44.07	41.73	39.91	38.39
135.0	59.87	56.30	53.31	50.15	47.87	45.53	43.48	41.14	39.50
180.0	59.81	56.53	52.79	50.33	47.34	45.12	43.07	40.79	39.03
225.0	57.12	53.90	50.62	48.22	46.00	43.31	41.32	39.62	37.75
270.0	61.62	57.82	54.54	51.56	48.40	46.17	44.01	42.02	40.15
315.0	58.93	54.78	51.97	49.57	46.76	44.65	42.66	40.32	38.68
360.0	62.21	58.29	54.84	51.97	48.69	46.29	43.66	41.67	39.85

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.92	36.52	35.17	33.94	32.30	30.96	29.67	28.38	27.10
45.0	39.80	37.81	36.46	35.17	33.59	32.25	30.90	29.32	28.03
90.0	36.99	35.35	34.12	32.83	31.25	30.02	28.91	27.27	25.98
135.0	37.57	36.23	35.00	33.88	32.30	31.08	29.79	28.56	26.92
180.0	37.51	35.87	34.65	33.42	32.13	30.55	29.26	28.03	26.69
225.0	36.40	35.11	33.59	32.36	31.02	29.44	28.21	26.92	25.75
270.0	38.04	36.64	35.05	33.88	32.66	31.13	29.90	28.68	27.04
315.0	37.28	35.93	34.41	33.18	31.89	30.67	29.20	27.92	26.57
360.0	37.92	36.52	35.17	33.94	32.30	30.96	29.67	28.38	27.10

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.52	24.17	23.17	22.24	21.30	20.60	20.01	19.78	19.72
45.0	26.57	25.16	24.05	22.94	21.95	21.19	20.42	19.84	19.66
90.0	24.87	23.53	22.53	21.77	21.01	20.07	19.78	19.84	19.96
135.0	25.57	24.52	23.17	22.30	21.54	20.60	20.01	19.90	20.01
180.0	25.28	24.17	23.12	22.12	21.42	20.48	20.13	20.07	20.13
225.0	24.35	23.23	22.47	21.54	20.83	20.19	20.01	20.01	20.07
270.0	25.81	24.70	23.58	22.41	21.65	21.01	20.19	19.78	19.72
315.0	25.11	23.99	22.65	21.89	21.07	20.13	19.66	19.49	19.49
360.0	25.52	24.17	23.17	22.24	21.30	20.60	20.01	19.78	19.72

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.72	19.84	19.96	19.90	19.90	19.84	19.66	19.43	19.08
45.0	19.66	19.84	19.96	20.07	20.13	20.13	20.01	19.84	19.49
90.0	20.19	20.31	20.48	20.48	20.37	20.13	20.01	19.66	19.37
135.0	20.19	20.37	20.66	20.72	20.78	20.78	20.60	20.42	20.01
180.0	20.31	20.42	20.60	20.60	20.60	20.48	20.37	20.07	19.49
225.0	20.25	20.37	20.37	20.42	20.31	20.07	19.84	19.37	18.73
270.0	19.78	20.01	20.13	20.25	20.19	20.13	20.01	19.78	19.49
315.0	19.72	19.78	19.90	19.90	19.84	19.66	19.55	19.25	18.84
360.0	19.72	19.84	19.96	19.90	19.90	19.84	19.66	19.43	19.08

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.38	17.79	16.97	15.68	14.57	13.81	13.28	12.87	12.52
45.0	19.20	18.61	17.79	16.62	15.10	14.10	13.34	12.99	12.58
90.0	18.49	17.38	16.21	14.75	13.64	12.99	12.76	12.52	12.35
135.0	19.49	18.43	16.74	15.45	14.05	13.17	12.82	12.58	12.35
180.0	18.84	17.67	16.21	14.69	13.75	12.99	12.76	12.52	12.35
225.0	17.97	16.68	15.22	14.22	13.28	12.82	12.58	12.41	12.29
270.0	18.90	18.02	17.09	15.74	14.51	13.75	12.93	12.64	12.41
315.0	18.02	17.32	16.56	15.22	14.10	13.40	12.87	12.58	12.35
360.0	18.38	17.79	16.97	15.68	14.57	13.81	13.28	12.87	12.52

Intensity data(cd)

C/γ(°)	90.0
0.0	12.47
45.0	12.35
90.0	12.35
135.0	12.35
180.0	12.41
225.0	12.35
270.0	12.29
315.0	12.29
360.0	12.47