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NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.412.00
Report No: 2024322-B008
Ballast type: AC

Test No: 2024322-C008	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.033
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2878.71, Efficiency(%): 82.58% , Luminous Efficacy(lm/W): 143.70
Central intensity(cd): 5167.010, Maximum intensity(cd): 5167.010
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=44.2
[C90/270]Total=44.2
Field angle(10%Imax): [C0/180]Total=68.2
[C90/270]Total=68.2
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.70 C90_270=0.70
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.58%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.689%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5167.010	0.000	0	0.00%	0.00%
1.0	5160.353	4.941	4.941	0.14%	0.17%
2.0	5140.090	14.784	19.726	0.42%	0.69%
3.0	5104.903	24.503	44.228	0.70%	1.54%
4.0	5059.255	34.023	78.251	0.98%	2.72%
5.0	4994.442	43.250	121.501	1.24%	4.22%
6.0	4924.581	52.127	173.629	1.50%	6.03%
7.0	4838.479	60.599	234.228	1.74%	8.14%
8.0	4749.671	68.621	302.848	1.97%	10.52%
9.0	4653.768	76.210	379.058	2.19%	13.17%
10.0	4539.649	83.197	462.255	2.39%	16.06%
11.0	4427.139	89.597	551.852	2.57%	19.17%
12.0	4289.538	95.286	647.138	2.73%	22.48%
13.0	4161.228	100.289	747.427	2.88%	25.96%
14.0	4030.869	104.858	852.285	3.01%	29.61%
15.0	3878.784	108.587	960.872	3.11%	33.38%
16.0	3718.359	111.319	1072.192	3.19%	37.25%
17.0	3553.325	113.240	1185.431	3.25%	41.18%
18.0	3377.538	114.275	1299.706	3.28%	45.15%
19.0	3187.999	114.227	1413.933	3.28%	49.12%
20.0	2999.483	113.248	1527.181	3.25%	53.05%
21.0	2804.384	111.446	1638.627	3.20%	56.92%
22.0	2607.894	108.762	1747.389	3.12%	60.70%
23.0	2432.693	105.765	1853.154	3.03%	64.37%
24.0	2249.225	102.363	1955.518	2.94%	67.93%
25.0	2071.755	98.250	2053.767	2.82%	71.34%
26.0	1871.535	93.082	2146.849	2.67%	74.58%
27.0	1650.576	86.169	2233.019	2.47%	77.57%
28.0	1453.136	78.579	2311.598	2.25%	80.30%
29.0	1269.821	71.240	2382.838	2.04%	82.77%
30.0	1134.495	64.916	2447.754	1.86%	85.03%
31.0	969.323	58.546	2506.3	1.68%	87.06%
32.0	812.856	51.057	2557.358	1.46%	88.84%
33.0	666.469	43.581	2600.939	1.25%	90.35%
34.0	533.220	36.306	2637.245	1.04%	91.61%
35.0	403.644	29.096	2666.341	0.83%	92.62%
36.0	305.890	22.592	2688.933	0.65%	93.41%
37.0	247.587	18.051	2706.984	0.52%	94.03%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	173.534	14.056	2721.04	0.40%	94.52%
39.0	109.722	9.668	2730.709	0.28%	94.86%
40.0	81.002	6.652	2737.36	0.19%	95.09%
41.0	69.561	5.362	2742.722	0.15%	95.28%
42.0	63.314	4.828	2747.55	0.14%	95.44%
43.0	58.113	4.498	2752.048	0.13%	95.60%
44.0	54.638	4.256	2756.303	0.12%	95.75%
45.0	51.727	4.088	2760.391	0.12%	95.89%
46.0	49.159	3.945	2764.336	0.11%	96.03%
47.0	47.103	3.829	2768.165	0.11%	96.16%
48.0	45.245	3.733	2771.898	0.11%	96.29%
49.0	43.643	3.650	2775.548	0.10%	96.42%
50.0	42.187	3.579	2779.127	0.10%	96.54%
51.0	40.893	3.515	2782.642	0.10%	96.66%
52.0	39.664	3.457	2786.099	0.10%	96.78%
53.0	38.596	3.404	2789.503	0.10%	96.90%
54.0	37.652	3.361	2792.864	0.10%	97.02%
55.0	36.701	3.319	2796.182	0.10%	97.13%
56.0	35.845	3.278	2799.461	0.09%	97.25%
57.0	35.026	3.240	2802.701	0.09%	97.36%
58.0	34.243	3.203	2805.904	0.09%	97.47%
59.0	33.453	3.165	2809.069	0.09%	97.58%
60.0	32.619	3.121	2812.191	0.09%	97.69%
61.0	31.895	3.079	2815.269	0.09%	97.80%
62.0	31.083	3.035	2818.304	0.09%	97.90%
63.0	30.278	2.984	2821.288	0.09%	98.01%
64.0	29.532	2.935	2824.223	0.08%	98.11%
65.0	28.720	2.883	2827.106	0.08%	98.21%
66.0	27.886	2.824	2829.93	0.08%	98.31%
67.0	27.081	2.764	2832.694	0.08%	98.40%
68.0	26.284	2.703	2835.397	0.08%	98.50%
69.0	25.640	2.649	2838.046	0.08%	98.59%
70.0	25.084	2.605	2840.651	0.07%	98.68%
71.0	24.543	2.565	2843.216	0.07%	98.77%
72.0	23.833	2.515	2845.732	0.07%	98.85%
73.0	22.985	2.448	2848.18	0.07%	98.94%
74.0	22.034	2.367	2850.547	0.07%	99.02%
75.0	21.171	2.283	2852.83	0.07%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.315	2.202	2855.032	0.06%	99.18%
77.0	19.700	2.133	2857.165	0.06%	99.25%
78.0	19.042	2.074	2859.239	0.06%	99.32%
79.0	18.420	2.013	2861.252	0.06%	99.39%
80.0	17.710	1.948	2863.2	0.06%	99.46%
81.0	17.111	1.883	2865.083	0.05%	99.53%
82.0	16.467	1.821	2866.904	0.05%	99.59%
83.0	15.721	1.750	2868.653	0.05%	99.65%
84.0	14.726	1.659	2870.312	0.05%	99.71%
85.0	13.694	1.551	2871.863	0.04%	99.76%
86.0	12.904	1.454	2873.317	0.04%	99.81%
87.0	12.480	1.389	2874.706	0.04%	99.86%
88.0	12.231	1.354	2876.06	0.04%	99.91%
89.0	12.063	1.332	2877.391	0.04%	99.95%
90.0	12.019	1.320	2878.712	0.04%	100.00%

Zonal flux distribution table

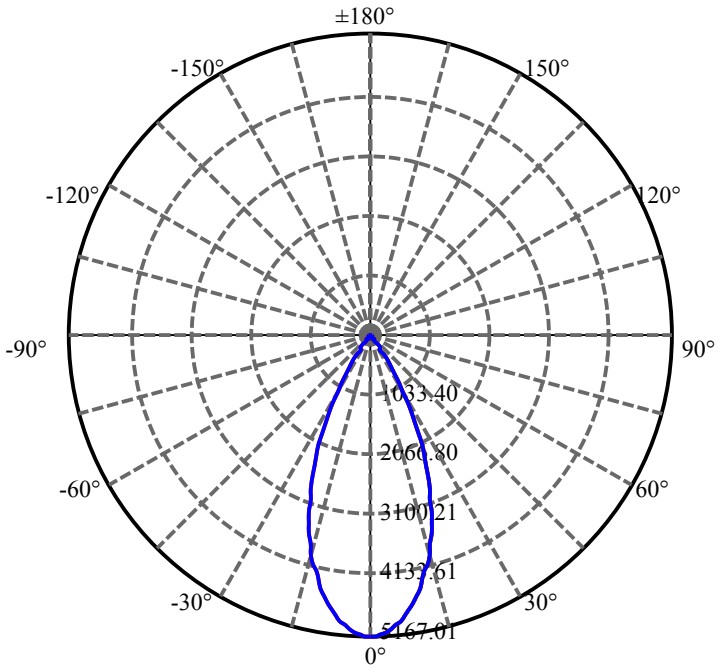
ZONAL LUMEN SUMMARY

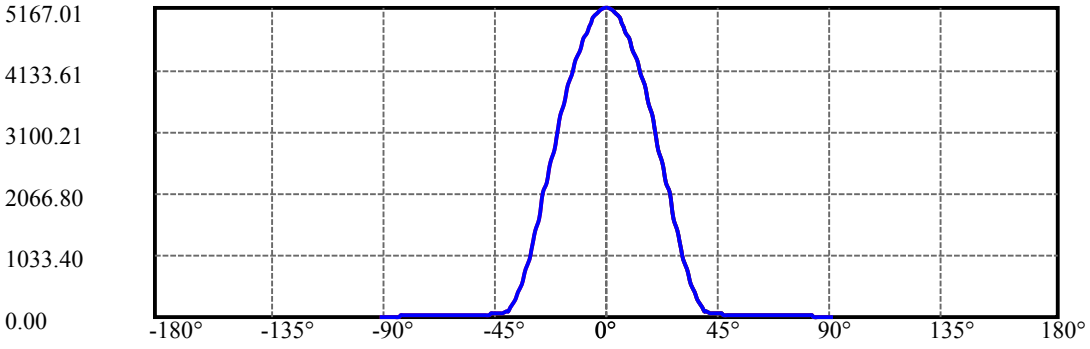
Zone	Lumens	%Lamp	%Fixt
0-30	2447.75	70.22%	85.03%
0-40	2737.36	78.52%	95.09%
0-60	2812.19	80.67%	97.69%
0-90	2877.39	82.54%	99.95%
0-120	2877.39	82.54%	99.95%
0-180	2878.71	82.58%	100.00%
60-90	65.20	1.87%	2.26%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.89	2302.97	66.06%	80.00%

ZONAL LUMEN SUMMARY

0-10	462.26
10-20	1064.93
20-30	920.57
30-40	289.61
40-50	41.77
50-60	33.06
60-70	28.46
70-80	22.55
80-90	14.19
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):

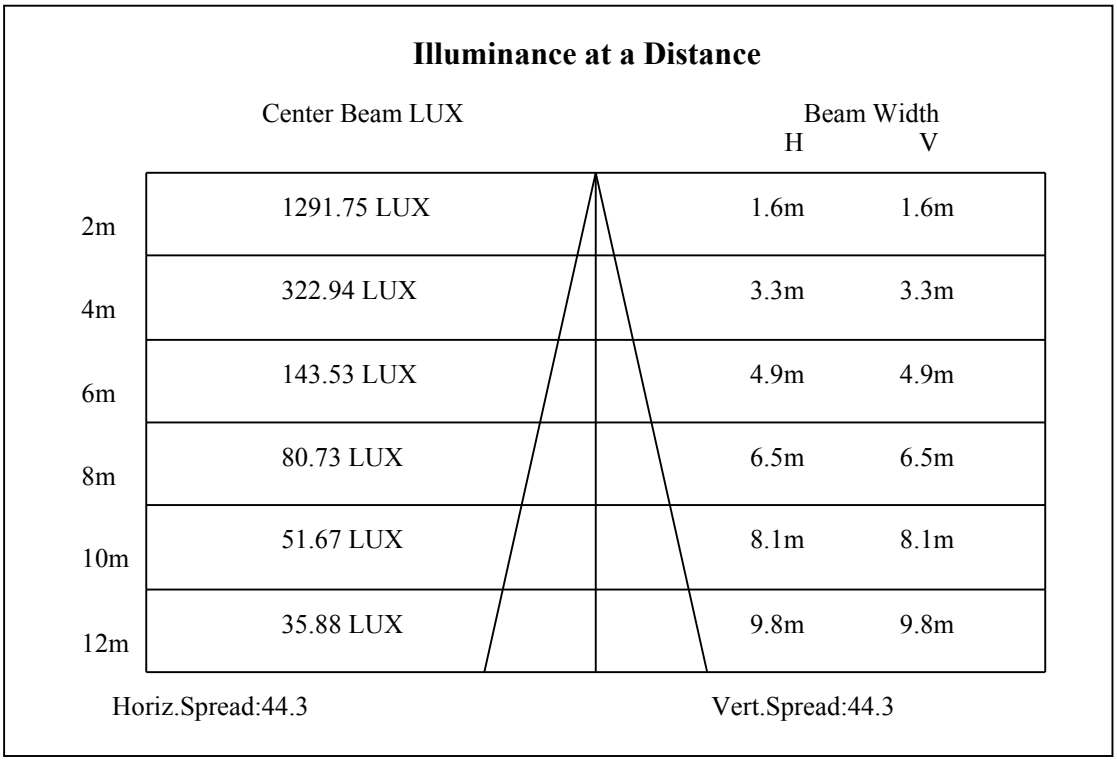
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

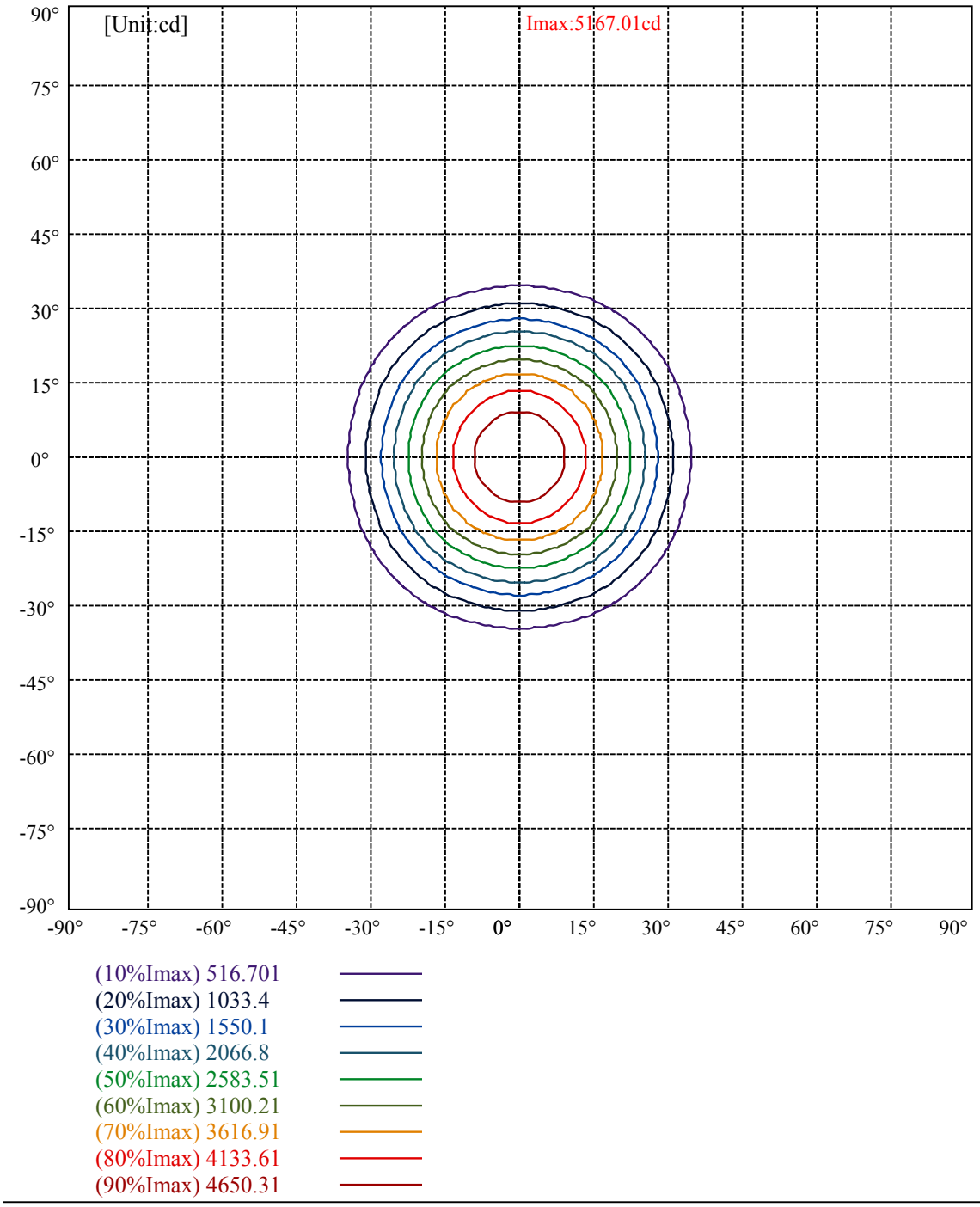
Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1

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)

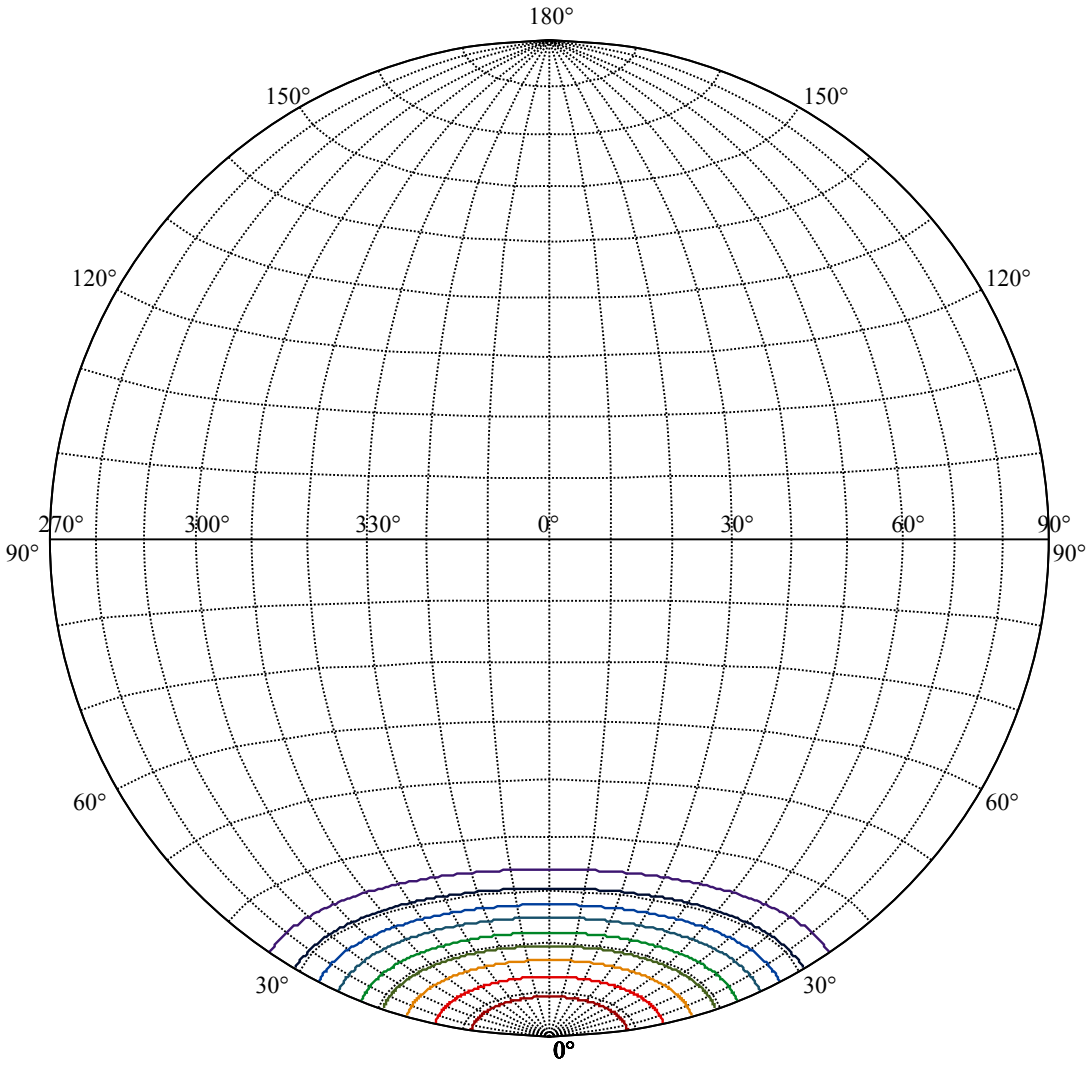


Equipment: GMS1980
Temperature(°C): 25.0

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

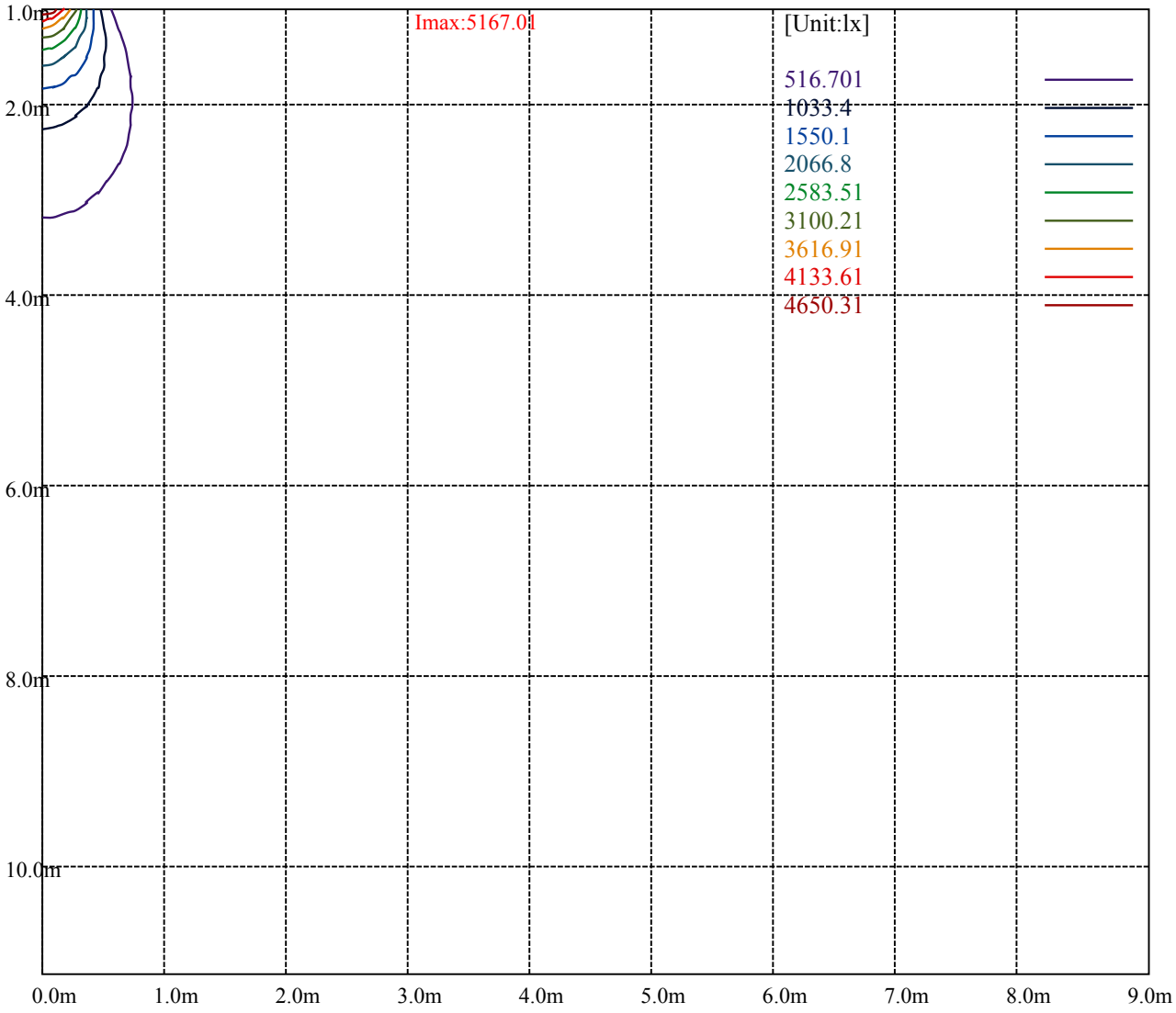
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



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 2-2681-L

Luminance Limitting Curve(no luminous side)

Luminance Table

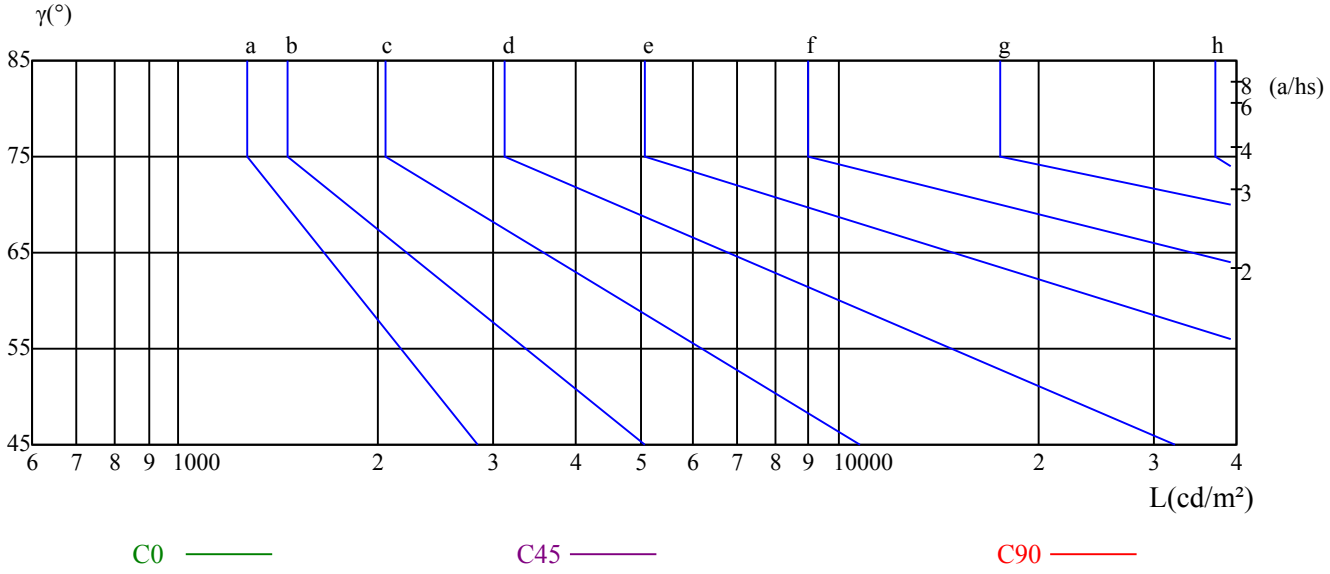
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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
Temperature(°C): 25.0

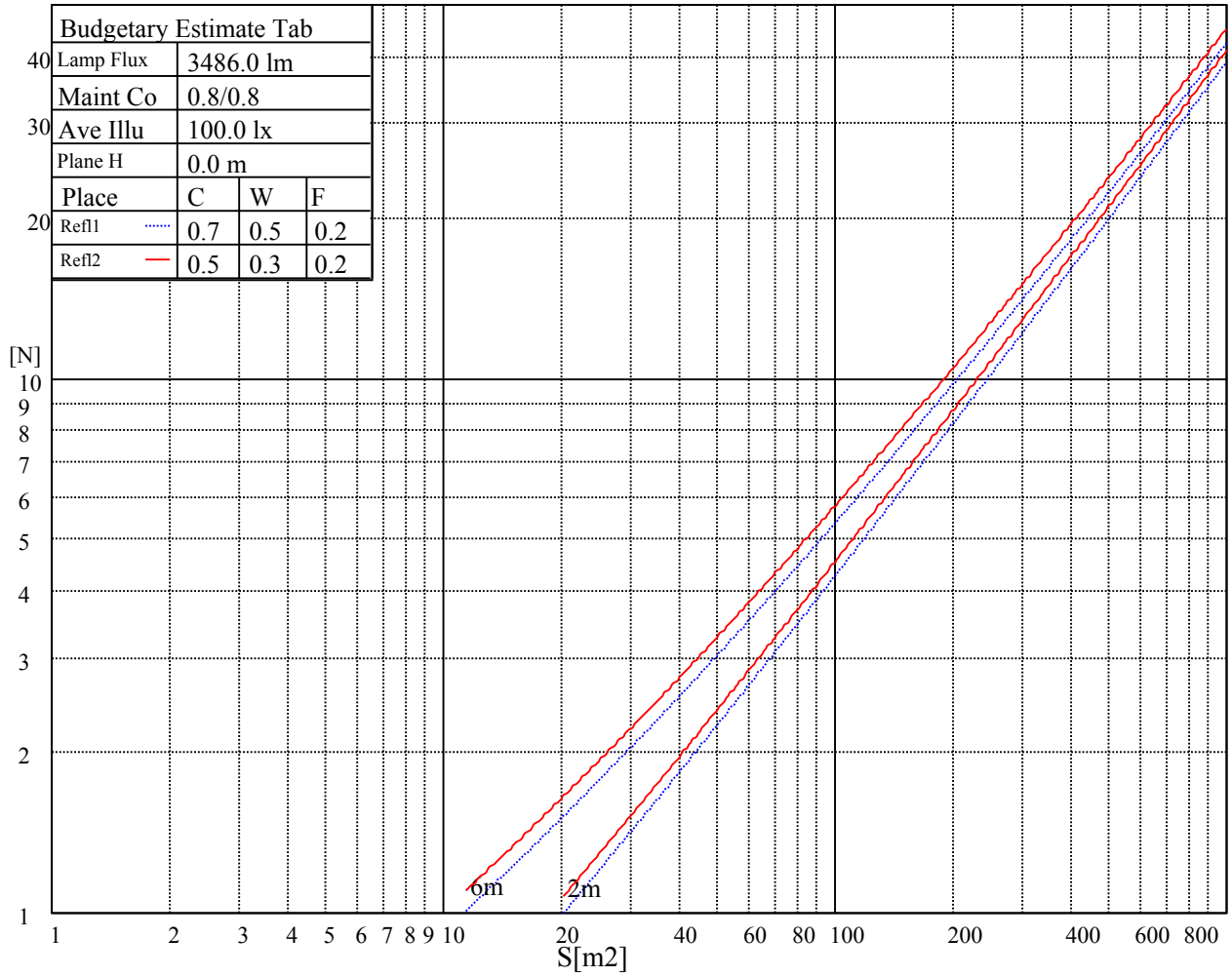
Date: 2024/3/22
Humidity(%): 60.0%

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

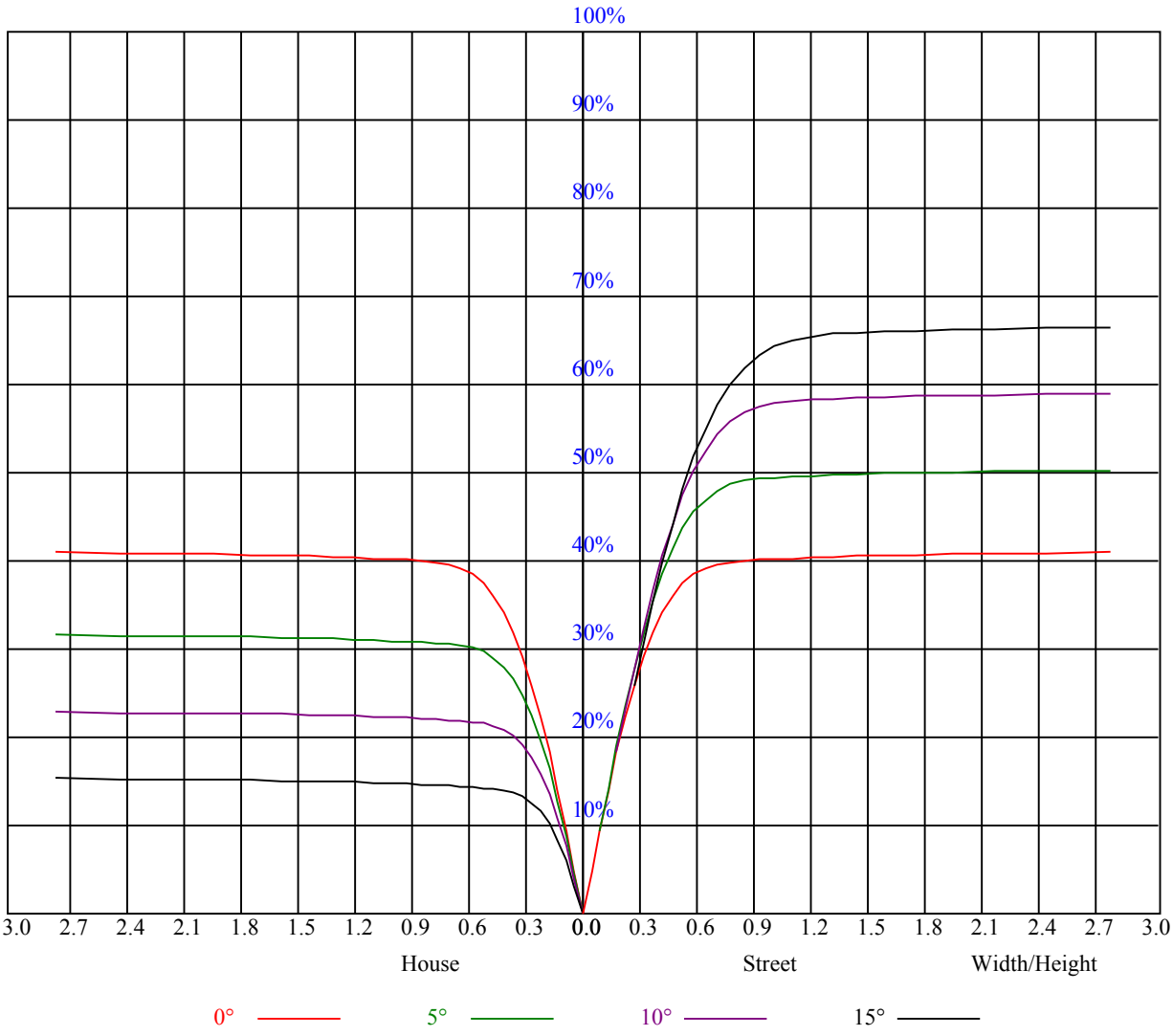


Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Utilization factor table for indoor luminaire

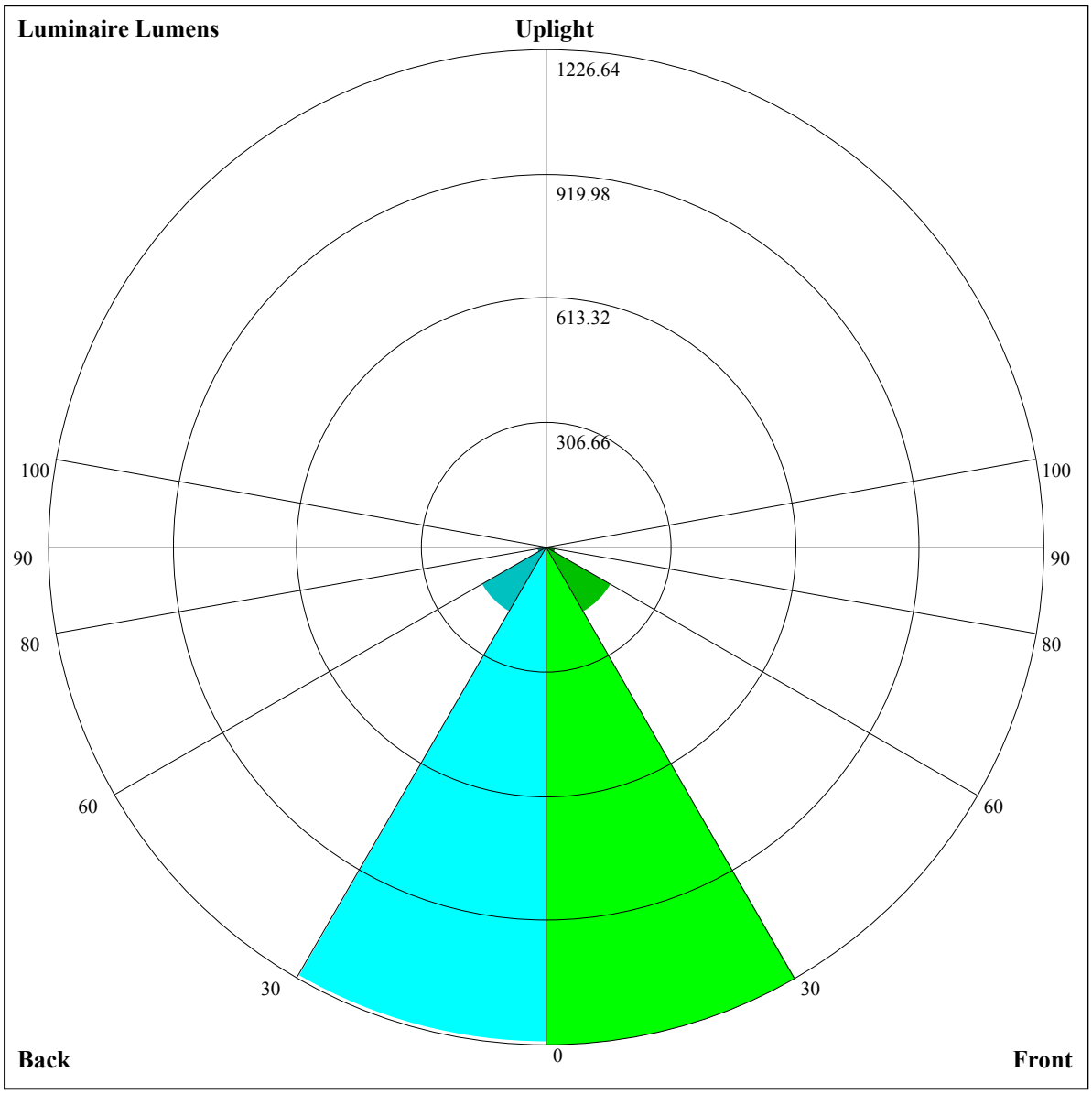
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.79	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.49	0.55	0.52	0.49	0.48

Coefficient Utilization Curve



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

LCS Graph



Luminaire Lumens:
FL=1226.64,FM=185.39,FH=25.68,FVH=7.82
BL=1220.82,BM=182.44,BH=25,BVH=7.71
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	5146.53	5141.85	5124.29	5089.18	5044.70	4971.54	4901.90	4804.17	4723.99
45.0	5175.79	5186.32	5185.74	5165.84	5136.58	5080.98	5024.22	4958.67	4865.03
90.0	5180.47	5175.79	5159.40	5122.53	5078.64	5025.39	4962.18	4867.37	4783.10
135.0	5165.25	5172.28	5167.60	5143.60	5111.41	5055.23	4998.47	4932.92	4838.11
180.0	5146.53	5140.09	5120.78	5089.18	5036.50	4982.08	4921.22	4832.26	4754.43
225.0	5175.79	5144.77	5107.90	5056.99	4999.64	4910.10	4827.58	4739.80	4642.65
270.0	5180.47	5172.86	5146.53	5110.83	5063.43	4992.03	4921.22	4820.56	4733.36
315.0	5165.25	5148.87	5108.49	5061.08	5003.15	4938.19	4839.87	4752.09	4656.69
360.0	5146.53	5141.85	5124.29	5089.18	5044.70	4971.54	4901.90	4804.17	4723.99

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4629.77	4508.05	4402.12	4286.83	4134.09	4003.00	3857.86	3708.04	3511.99
45.0	4782.52	4692.98	4594.66	4462.40	4348.28	4224.80	4095.46	3922.82	3774.17
90.0	4691.81	4565.40	4453.62	4307.31	4181.49	4052.16	3913.46	3725.02	3568.18
135.0	4753.84	4660.79	4558.38	4420.85	4299.71	4176.22	4043.38	3866.64	3716.82
180.0	4666.06	4538.48	4429.63	4281.56	4157.50	4028.75	3892.39	3751.94	3567.00
225.0	4539.06	4398.02	4279.22	4126.48	3993.05	3852.59	3668.25	3511.99	3343.45
270.0	4638.55	4535.55	4395.10	4278.05	4151.06	4019.38	3846.74	3699.85	3548.28
315.0	4528.53	4417.92	4304.39	4152.82	4024.65	3890.05	3712.73	3560.57	3396.70
360.0	4629.77	4508.05	4402.12	4286.83	4134.09	4003.00	3857.86	3708.04	3511.99

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3344.03	3173.73	2997.58	2768.76	2592.61	2378.41	2206.36	2038.40	1822.45
45.0	3617.33	3414.26	3242.79	3019.23	2833.13	2654.64	2480.83	2272.49	2102.77
90.0	3403.73	3232.84	3009.87	2823.18	2646.45	2471.46	2264.88	2098.09	1883.31
135.0	3561.15	3354.57	3181.93	2999.34	2767.59	2592.02	2420.55	2217.48	2047.18
180.0	3403.73	3227.57	3008.12	2833.13	2640.01	2472.05	2266.05	2102.77	1885.65
225.0	3123.40	2941.40	2755.88	2580.32	2369.05	2205.19	2038.40	1862.83	1641.03
270.0	3385.00	3159.69	2982.95	2768.17	2581.49	2415.87	2210.45	2046.59	1875.12
315.0	3181.93	2999.92	2816.75	2642.93	2432.84	2271.90	2106.28	1935.40	1714.77
360.0	3344.03	3173.73	2997.58	2768.76	2592.61	2378.41	2206.36	2038.40	1822.45

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1644.54	1341.98	1136.68	1097.18	947.65	802.87	664.76	508.56	397.19
45.0	1927.20	1744.03	1521.06	1349.59	1188.07	1028.88	842.20	705.25	545.49
90.0	1705.99	1526.91	1148.27	1148.27	992.31	808.90	669.85	540.40	423.18
135.0	1869.27	1686.68	1465.46	1295.75	1132.47	974.46	794.21	660.78	506.86
180.0	1705.40	1532.76	1352.51	1144.76	980.31	829.32	688.28	527.35	414.98
225.0	1166.70	1166.70	1082.96	927.52	780.40	609.39	486.79	377.24	261.71
270.0	1645.13	1473.66	1299.26	1123.69	928.81	779.58	642.05	517.98	378.70
315.0	1540.37	1152.37	1152.37	989.21	804.57	669.44	543.62	428.21	301.04
360.0	1644.54	1341.98	1136.68	1097.18	947.65	802.87	664.76	508.56	397.19

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	300.04	219.81	141.86	104.64	86.32	75.49	68.65	62.44	58.76
45.0	429.03	326.61	302.62	200.97	103.70	78.54	70.29	63.91	59.28
90.0	297.29	214.43	148.18	103.47	78.07	69.82	63.20	57.53	54.25
135.0	393.33	316.67	316.67	124.71	90.59	73.50	66.31	60.57	56.47
180.0	316.08	316.08	143.15	103.23	80.53	72.10	65.37	59.52	56.12
225.0	187.04	129.22	93.87	74.56	67.01	61.04	56.83	53.02	50.50
270.0	305.55	305.55	136.12	89.95	74.09	64.55	58.99	55.07	51.44
315.0	218.76	152.33	105.81	76.25	67.71	61.45	56.88	52.85	50.27
360.0	300.04	219.81	141.86	104.64	86.32	75.49	68.65	62.44	58.76

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	55.54	52.90	49.98	47.99	46.29	44.65	42.90	41.55	40.44
45.0	55.13	52.44	50.10	48.11	46.29	44.36	42.96	41.73	40.32
90.0	51.56	48.69	46.76	45.12	43.25	41.96	40.73	39.68	38.45
135.0	53.37	50.21	48.05	46.17	44.18	42.72	41.26	39.85	38.86
180.0	53.20	50.15	48.05	46.17	44.54	42.72	41.49	40.32	39.21
225.0	48.34	46.00	44.36	42.55	41.32	40.20	39.15	37.98	37.16
270.0	49.04	46.99	45.24	43.31	41.96	40.73	39.62	38.33	37.40
315.0	47.64	45.88	44.30	42.55	41.32	40.15	39.03	37.86	36.93
360.0	55.54	52.90	49.98	47.99	46.29	44.65	42.90	41.55	40.44

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.39	38.16	37.22	36.23	35.41	34.59	33.65	32.95	32.25
45.0	39.27	38.10	37.28	36.46	35.41	34.59	33.83	33.12	32.19
90.0	37.57	36.75	35.87	35.00	34.24	33.42	32.42	31.72	30.90
135.0	37.98	36.99	36.23	35.41	34.76	34.00	33.07	32.36	31.43
180.0	37.98	37.10	36.28	35.35	34.59	33.65	32.95	32.13	31.43
225.0	36.34	35.58	34.65	33.94	33.24	32.54	31.60	30.90	29.96
270.0	36.52	35.52	34.76	34.06	33.18	32.54	31.84	30.96	30.37
315.0	36.17	35.41	34.47	33.77	33.12	32.30	31.60	31.02	30.14
360.0	39.39	38.16	37.22	36.23	35.41	34.59	33.65	32.95	32.25

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.25	30.55	29.79	29.03	28.21	27.68	27.33	27.10	26.98
45.0	31.49	30.84	30.14	29.14	28.38	27.68	26.98	26.63	26.45
90.0	30.14	29.44	28.68	27.62	26.80	26.04	25.05	24.29	23.53
135.0	30.72	29.90	29.03	28.32	27.45	26.45	25.63	24.81	24.05
180.0	30.49	29.73	29.03	28.21	27.27	26.45	25.93	25.52	25.28
225.0	29.20	28.44	27.51	26.80	26.10	25.46	25.22	24.76	24.11
270.0	29.55	28.68	27.92	27.10	26.34	25.34	24.58	23.88	22.94
315.0	29.38	28.68	27.68	26.86	26.10	25.16	24.40	23.70	23.00
360.0	31.25	30.55	29.79	29.03	28.21	27.68	27.33	27.10	26.98

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.69	25.98	24.64	23.53	22.30	21.36	20.13	19.14	17.85
45.0	26.39	26.16	25.46	24.46	23.70	22.94	22.06	20.89	19.84
90.0	22.59	21.71	20.89	20.13	19.37	18.90	18.49	18.02	17.44
135.0	23.29	22.36	21.54	20.66	19.78	19.25	18.67	18.26	17.79
180.0	24.64	23.47	22.36	21.30	20.07	19.31	18.67	18.08	17.38
225.0	22.88	21.77	20.78	19.96	19.14	18.67	18.08	17.56	17.09
270.0	22.24	21.36	20.31	19.61	19.08	18.49	18.08	17.73	17.38
315.0	21.95	21.07	20.31	19.72	19.08	18.67	18.14	17.67	16.91
360.0	26.69	25.98	24.64	23.53	22.30	21.36	20.13	19.14	17.85

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.85	16.04	15.51	14.75	13.93	13.17	12.52	12.29	12.06
45.0	18.90	17.73	16.85	15.98	14.98	13.87	12.99	12.47	12.23
90.0	17.09	16.68	16.09	15.10	13.81	12.87	12.47	12.29	12.06
135.0	17.44	17.03	16.50	15.57	14.28	13.05	12.64	12.41	12.17
180.0	16.80	16.09	15.39	14.57	13.46	12.70	12.47	12.23	12.00
225.0	16.39	15.74	14.57	13.52	12.70	12.41	12.17	12.00	12.00
270.0	16.97	16.39	15.68	14.40	13.23	12.70	12.41	12.17	12.00
315.0	16.44	16.04	15.16	13.93	13.17	12.47	12.17	12.00	12.00
360.0	16.85	16.04	15.51	14.75	13.93	13.17	12.52	12.29	12.06

Intensity data(cd)

C/γ(°)	90.0
0.0	12.06
45.0	12.06
90.0	12.00
135.0	12.06
180.0	12.00
225.0	12.00
270.0	12.00
315.0	12.00
360.0	12.06