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NT

Client:
LumCAT: 3-2833-L
Luminaire: 92.70.412.00
Report No: 2024322-B027
Ballast type: AC

Test No: 2024322-C027	Voltage(V): 34.760
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.056
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2972.92, Efficiency(%): 85.28% , Luminous Efficacy(lm/W): 148.23
Central intensity(cd): 10527.380, Maximum intensity(cd): 10527.380
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.8
[C90/270]Total=23.8
Field angle(10%Imax): [C0/180]Total=59.0
[C90/270]Total=59.0
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.28%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.056%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10527.378	0.000	0	0.00%	0.00%
1.0	10482.682	10.053	10.053	0.29%	0.34%
2.0	10366.661	29.925	39.978	0.86%	1.34%
3.0	10149.396	49.068	89.046	1.41%	3.00%
4.0	9829.790	66.877	155.922	1.92%	5.24%
5.0	9369.364	82.594	238.516	2.37%	8.02%
6.0	8847.124	95.732	334.249	2.75%	11.24%
7.0	8213.691	105.896	440.145	3.04%	14.81%
8.0	7590.500	113.108	553.252	3.24%	18.61%
9.0	6988.889	118.158	671.41	3.39%	22.58%
10.0	6380.181	120.985	792.395	3.47%	26.65%
11.0	5782.301	121.528	913.924	3.49%	30.74%
12.0	5236.286	120.449	1034.373	3.46%	34.79%
13.0	4731.237	118.289	1152.662	3.39%	38.77%
14.0	4255.376	115.028	1267.69	3.30%	42.64%
15.0	3834.087	111.056	1378.746	3.19%	46.38%
16.0	3457.934	106.849	1485.594	3.07%	49.97%
17.0	3136.133	102.687	1588.281	2.95%	53.42%
18.0	2843.667	98.594	1686.875	2.83%	56.74%
19.0	2597.580	94.667	1781.542	2.72%	59.93%
20.0	2356.760	90.678	1872.22	2.60%	62.98%
21.0	2169.414	86.912	1959.132	2.49%	65.90%
22.0	1971.389	83.211	2042.343	2.39%	68.70%
23.0	1807.599	79.293	2121.636	2.27%	71.37%
24.0	1644.321	75.471	2197.108	2.16%	73.90%
25.0	1511.109	71.748	2268.855	2.06%	76.32%
26.0	1354.350	67.639	2336.495	1.94%	78.59%
27.0	1239.945	63.470	2399.965	1.82%	80.73%
28.0	1175.476	61.153	2461.118	1.75%	82.78%
29.0	1098.021	59.481	2520.599	1.71%	84.79%
30.0	1001.561	56.688	2577.288	1.63%	86.69%
31.0	873.309	52.175	2629.463	1.50%	88.45%
32.0	737.310	46.142	2675.605	1.32%	90.00%
33.0	601.516	39.442	2715.047	1.13%	91.33%
34.0	471.296	32.466	2747.514	0.93%	92.42%
35.0	335.290	25.050	2772.563	0.72%	93.26%
36.0	254.222	18.770	2791.333	0.54%	93.89%
37.0	195.114	14.655	2805.988	0.42%	94.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	157.177	11.759	2817.747	0.34%	94.78%
39.0	101.127	8.817	2826.564	0.25%	95.08%
40.0	91.866	6.731	2833.295	0.19%	95.30%
41.0	84.221	6.270	2839.565	0.18%	95.51%
42.0	77.389	5.872	2845.437	0.17%	95.71%
43.0	71.119	5.501	2850.938	0.16%	95.90%
44.0	65.333	5.150	2856.088	0.15%	96.07%
45.0	60.476	4.835	2860.923	0.14%	96.23%
46.0	56.174	4.562	2865.485	0.13%	96.39%
47.0	52.414	4.319	2869.804	0.12%	96.53%
48.0	49.064	4.102	2873.906	0.12%	96.67%
49.0	46.072	3.907	2877.813	0.11%	96.80%
50.0	43.687	3.742	2881.555	0.11%	96.93%
51.0	41.800	3.617	2885.172	0.10%	97.05%
52.0	40.190	3.518	2888.69	0.10%	97.17%
53.0	38.874	3.439	2892.129	0.10%	97.28%
54.0	37.893	3.384	2895.513	0.10%	97.40%
55.0	37.118	3.348	2898.861	0.10%	97.51%
56.0	36.511	3.327	2902.188	0.10%	97.62%
57.0	35.823	3.307	2905.496	0.09%	97.73%
58.0	35.026	3.276	2908.772	0.09%	97.84%
59.0	33.914	3.223	2911.995	0.09%	97.95%
60.0	32.670	3.146	2915.141	0.09%	98.06%
61.0	31.068	3.042	2918.182	0.09%	98.16%
62.0	29.539	2.920	2921.103	0.08%	98.26%
63.0	27.944	2.796	2923.899	0.08%	98.35%
64.0	26.452	2.669	2926.568	0.08%	98.44%
65.0	24.953	2.544	2929.112	0.07%	98.53%
66.0	23.482	2.417	2931.528	0.07%	98.61%
67.0	22.231	2.299	2933.827	0.07%	98.68%
68.0	21.163	2.198	2936.025	0.06%	98.76%
69.0	20.205	2.110	2938.136	0.06%	98.83%
70.0	19.422	2.035	2940.171	0.06%	98.90%
71.0	18.837	1.977	2942.148	0.06%	98.96%
72.0	18.288	1.930	2944.079	0.06%	99.03%
73.0	17.784	1.886	2945.965	0.05%	99.09%
74.0	17.330	1.846	2947.811	0.05%	99.16%
75.0	16.935	1.810	2949.621	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.540	1.777	2951.398	0.05%	99.28%
77.0	16.160	1.743	2953.142	0.05%	99.33%
78.0	15.779	1.710	2954.851	0.05%	99.39%
79.0	15.435	1.677	2956.529	0.05%	99.45%
80.0	15.062	1.644	2958.173	0.05%	99.50%
81.0	14.696	1.609	2959.782	0.05%	99.56%
82.0	14.353	1.575	2961.357	0.05%	99.61%
83.0	14.009	1.542	2962.899	0.04%	99.66%
84.0	13.680	1.508	2964.407	0.04%	99.71%
85.0	13.453	1.481	2965.888	0.04%	99.76%
86.0	13.175	1.456	2967.344	0.04%	99.81%
87.0	12.897	1.427	2968.771	0.04%	99.86%
88.0	12.670	1.401	2970.171	0.04%	99.91%
89.0	12.531	1.381	2971.553	0.04%	99.95%
90.0	12.480	1.371	2972.924	0.04%	100.00%

Zonal flux distribution table

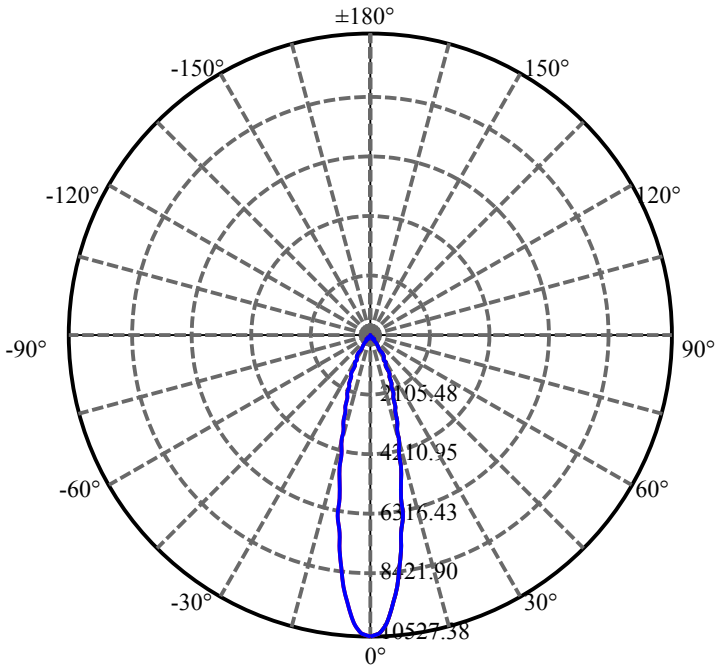
ZONAL LUMEN SUMMARY

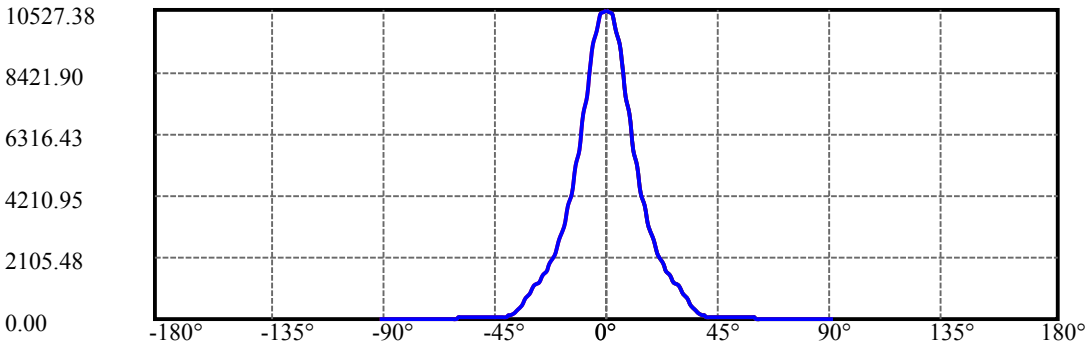
Zone	Lumens	%Lamp	%Fixt
0-30	2577.29	73.93%	86.69%
0-40	2833.29	81.28%	95.30%
0-60	2915.14	83.62%	98.06%
0-90	2971.55	85.24%	99.95%
0-120	2971.55	85.24%	99.95%
0-180	2972.92	85.28%	100.00%
60-90	56.41	1.62%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.66	2378.34	68.23%	80.00%

ZONAL LUMEN SUMMARY

0-10	792.40
10-20	1079.82
20-30	705.07
30-40	256.01
40-50	48.26
50-60	33.59
60-70	25.03
70-80	18.00
80-90	13.38
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):

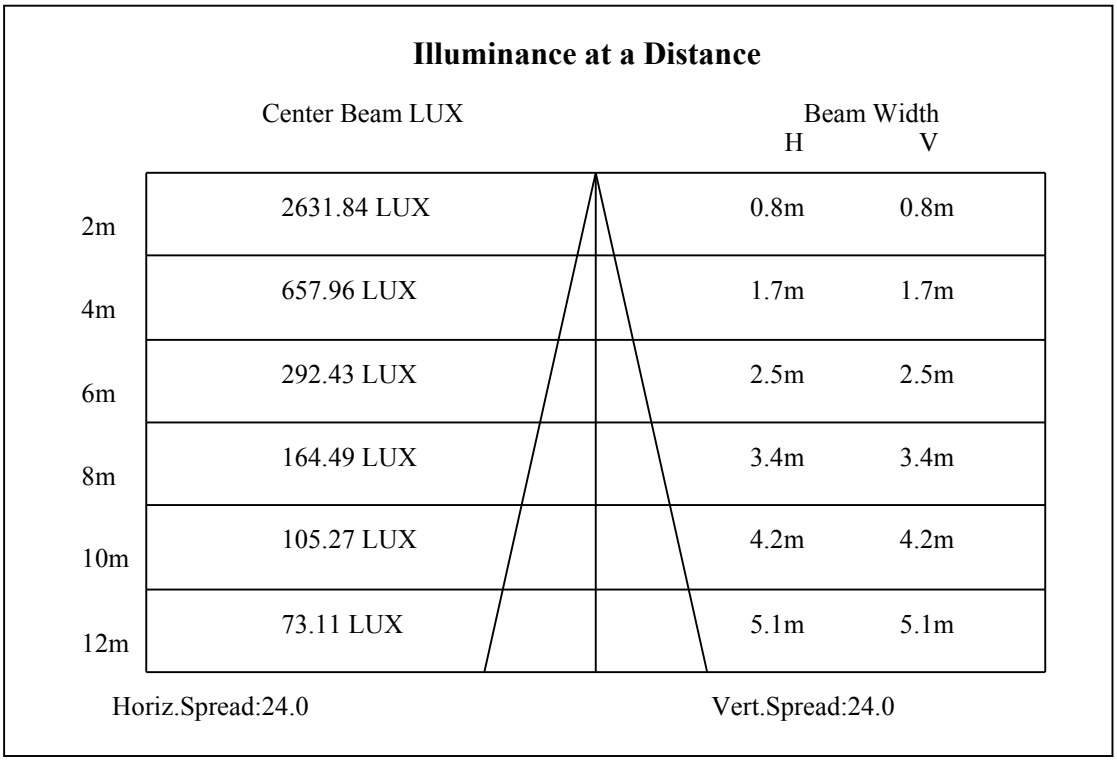
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.5 Right:29.5
:C90/270Left:29.5 Right:29.5

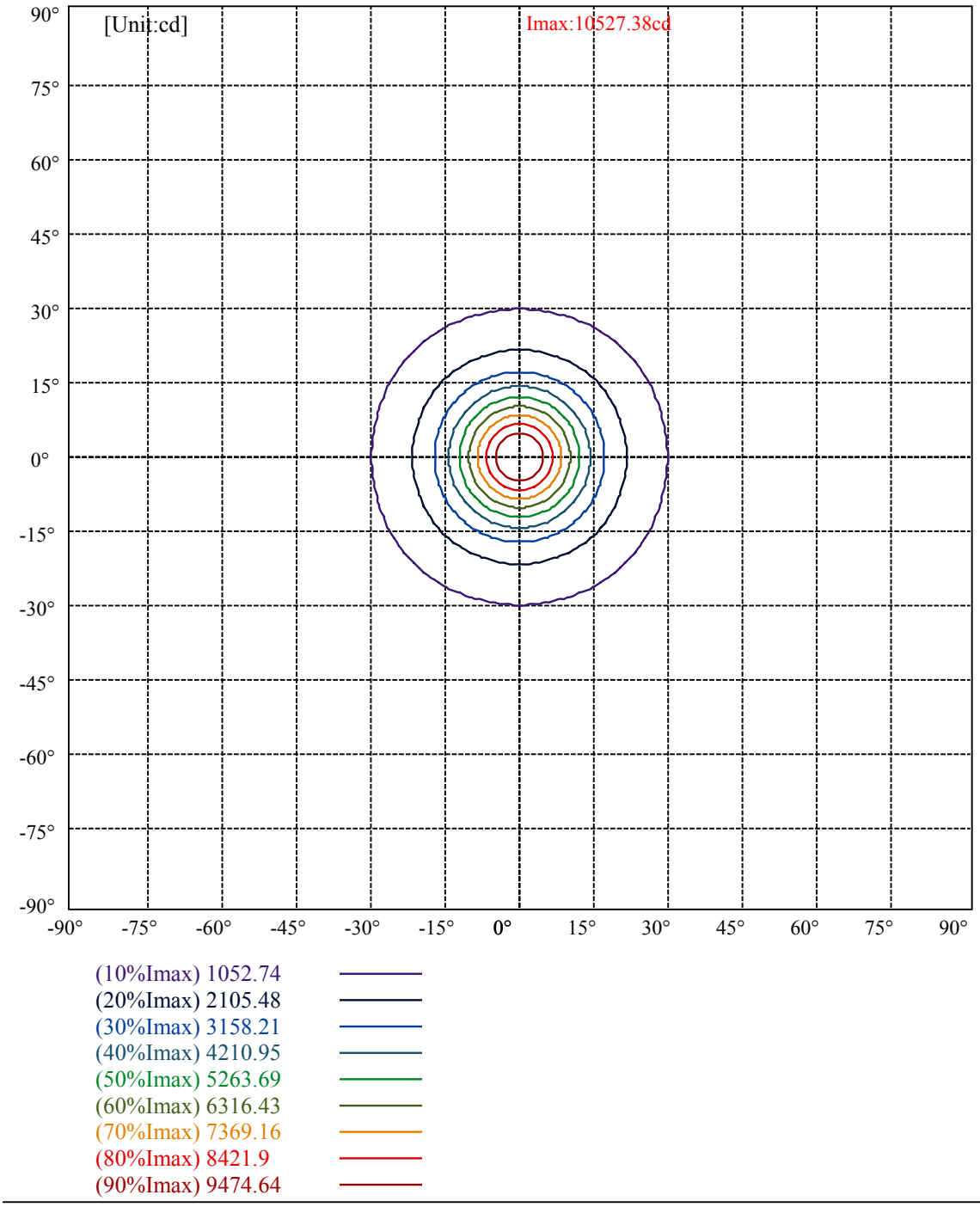
Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9
:C90/270Left:11.9 Right:11.9

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)

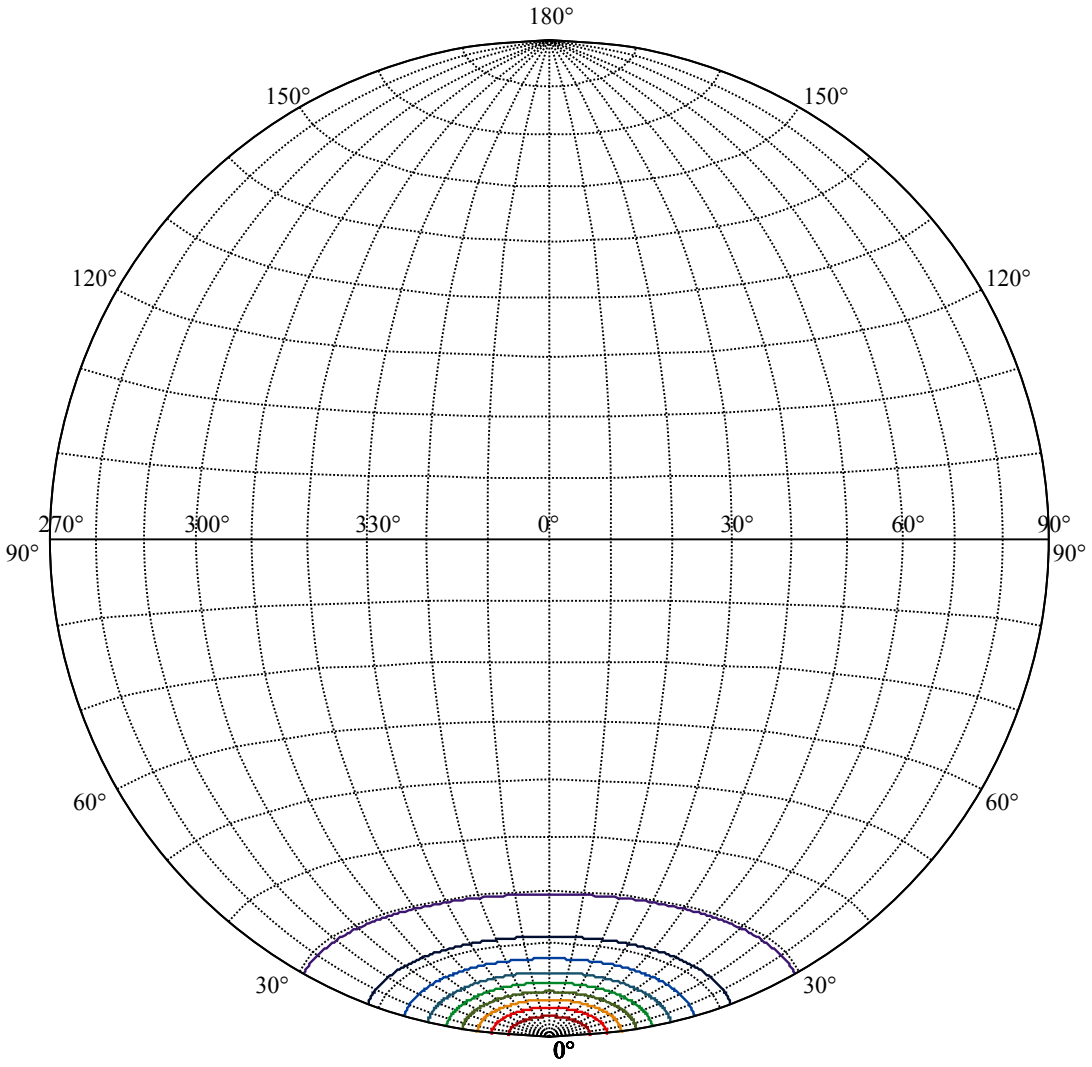


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

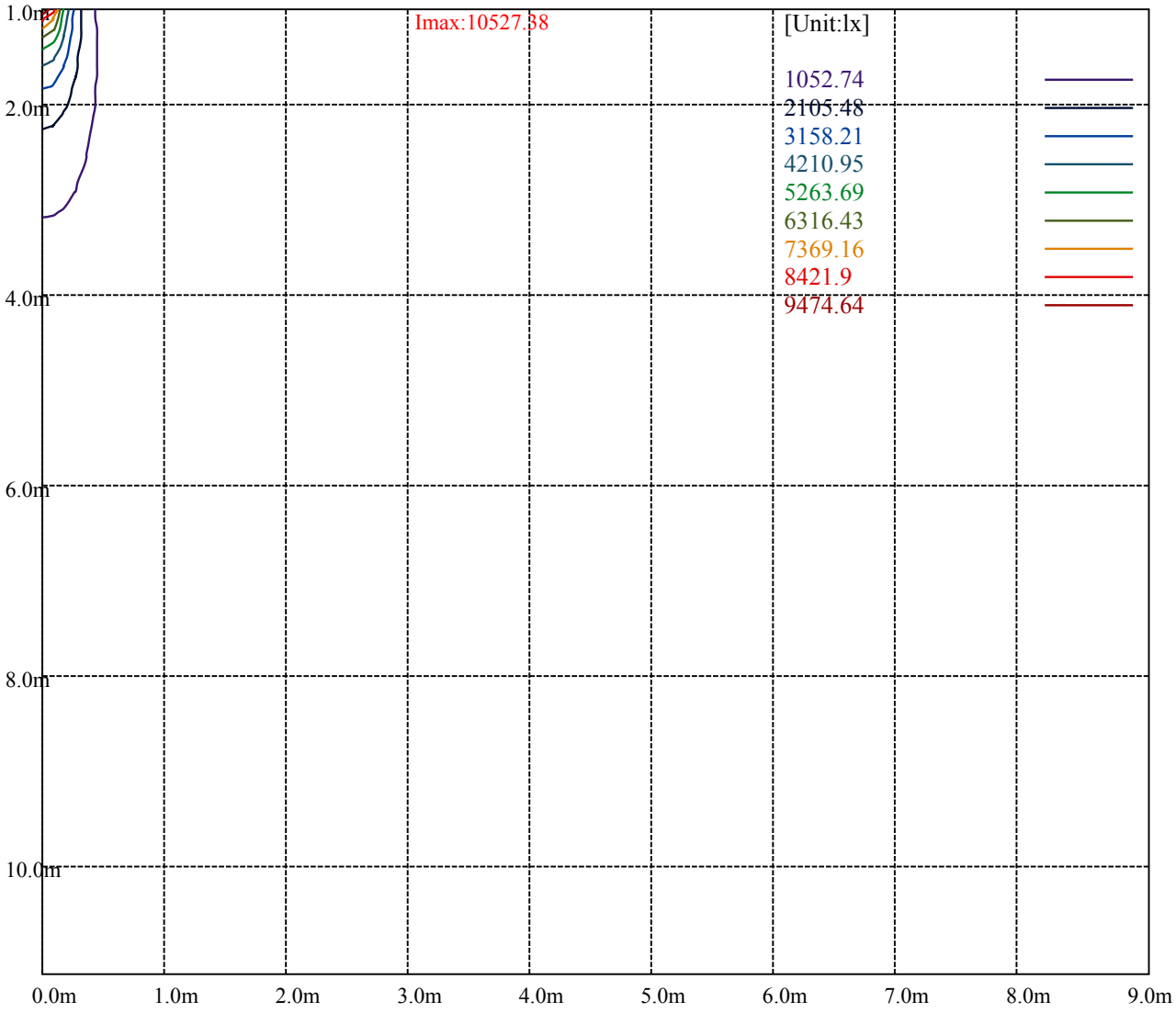


House [Unit:cd] Road

Imax:10527.38

(10%Imax) 1052.74
(20%Imax) 2105.48
(30%Imax) 3158.21
(40%Imax) 4210.95
(50%Imax) 5263.69
(60%Imax) 6316.43
(70%Imax) 7369.16
(80%Imax) 8421.9
(90%Imax) 9474.64

Space ISO Lux diagram



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

NT 3-2833-L

Luminance Limitting Curve(no luminous side)

Luminance Table

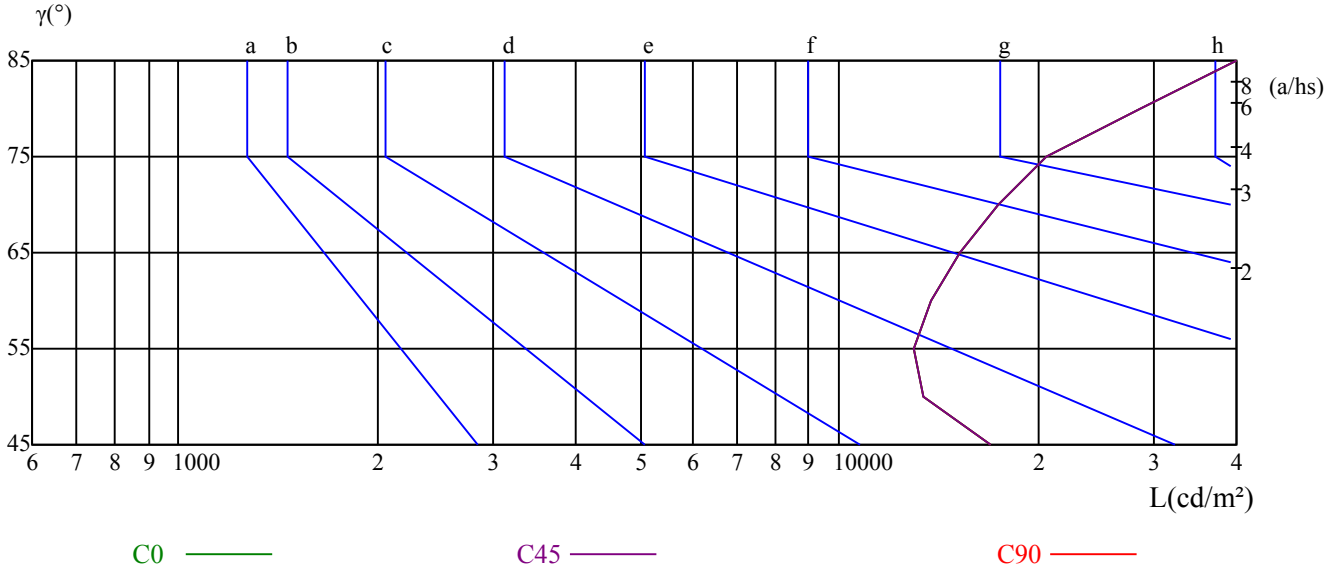
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

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

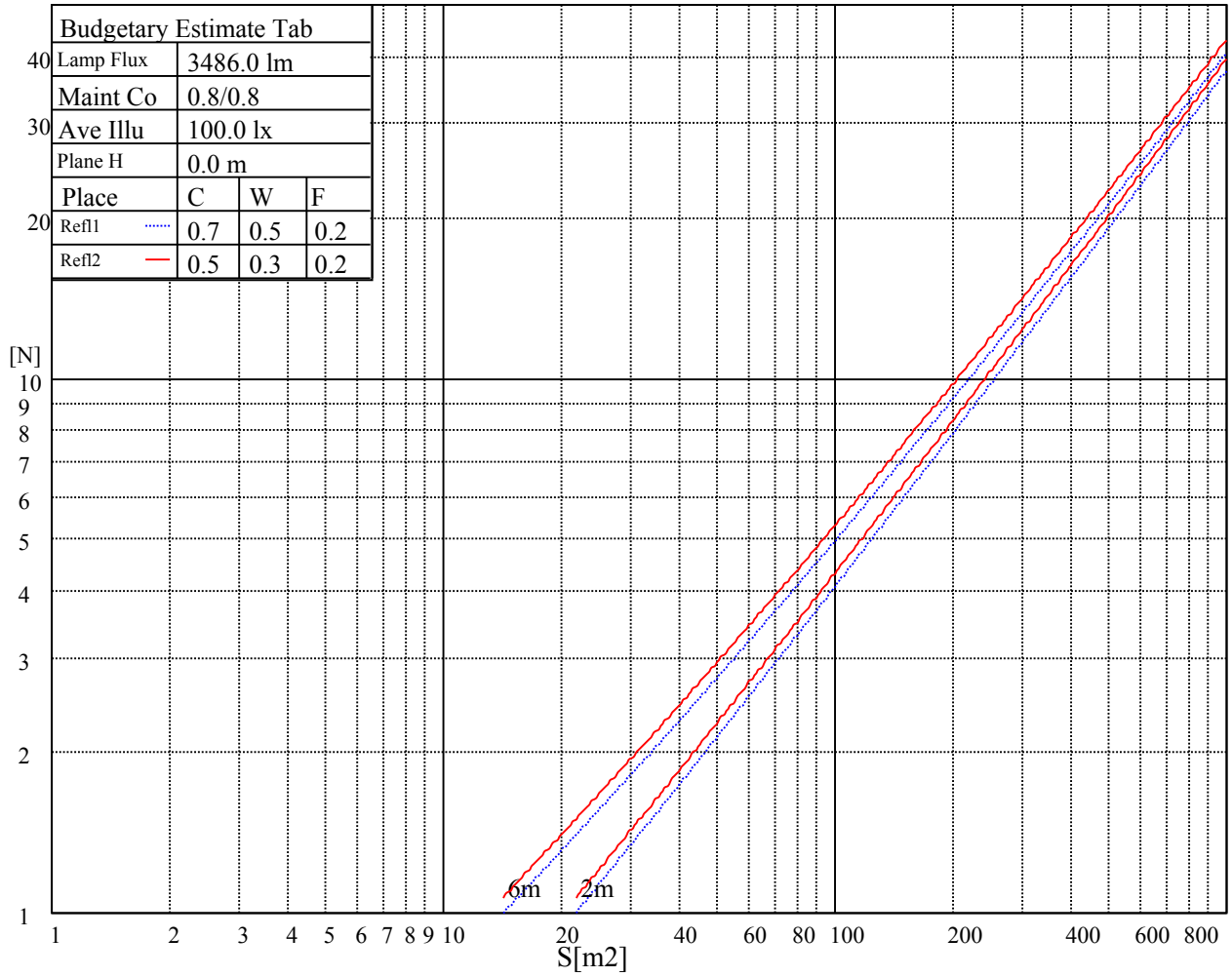
Date: 2024/3/22
Humidity(%): 60.0%

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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
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	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
8H 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 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
8H 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
12H 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
12H 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

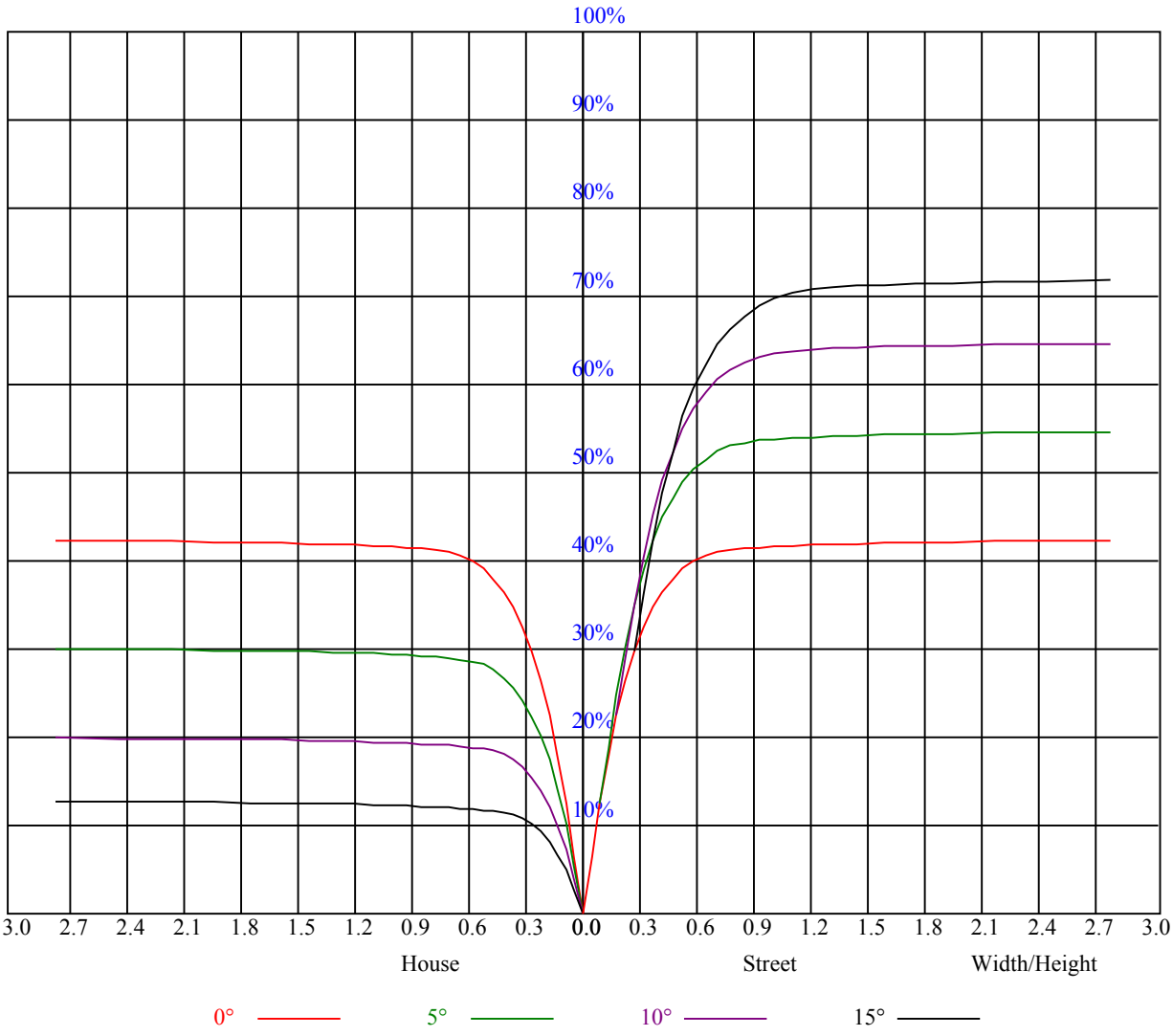


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

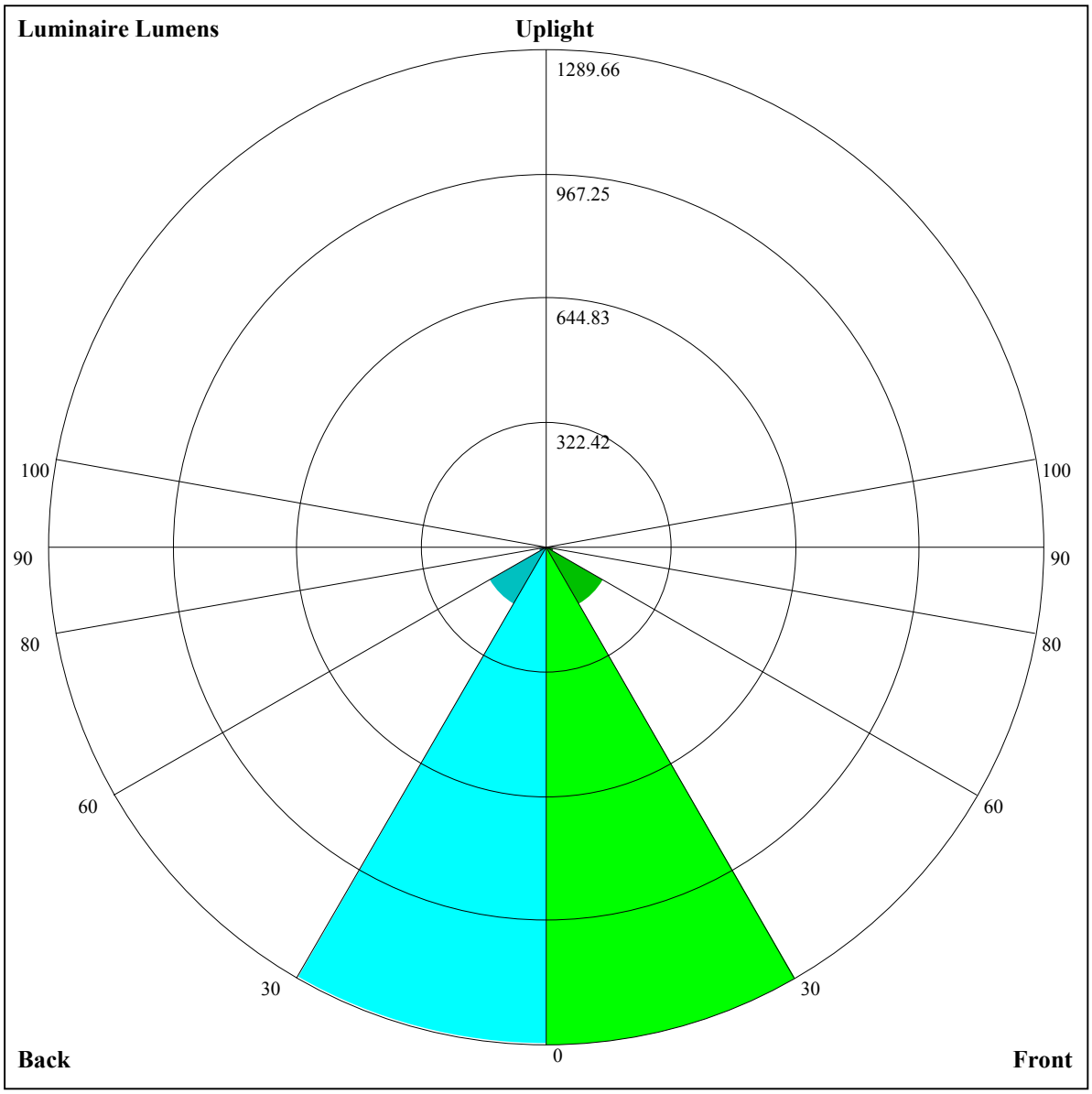
Utilization factor table for indoor luminaire

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	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.77	0.76	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55

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=1289.66,FM=169.89,FH=21.68,FVH=7.4
BL=1285.61,BM=169.15,BH=21.42,BVH=7.37
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	10537.03	10462.13	10330.45	10120.94	9804.33	9239.59	8710.55	8139.95	7552.97
45.0	10519.48	10540.55	10507.19	10371.42	10191.75	9917.28	9522.84	8906.01	8358.24
90.0	10540.55	10486.71	10382.54	10139.67	9838.28	9423.94	8796.58	8239.44	7657.14
135.0	10512.46	10533.52	10494.90	10361.47	10160.73	9849.98	9420.43	8767.90	8204.91
180.0	10537.03	10527.67	10418.82	10242.67	9969.37	9477.78	8972.73	8393.36	7655.97
225.0	10519.48	10377.27	10174.78	9864.03	9308.06	8764.39	8176.24	7424.81	6826.71
270.0	10540.55	10511.28	10407.70	10167.76	9847.05	9410.48	8883.19	8147.56	7541.85
315.0	10512.46	10422.33	10216.92	9927.23	9518.74	8871.48	8294.45	7690.50	6926.20
360.0	10537.03	10462.13	10330.45	10120.94	9804.33	9239.59	8710.55	8139.95	7552.97

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6817.34	6243.24	5696.05	5189.25	4603.44	4178.57	3714.48	3386.17	3092.97
45.0	7781.21	7198.33	6478.50	5926.05	5399.93	4788.95	4341.84	3846.16	3495.02
90.0	7067.82	6343.90	5798.47	5282.88	4796.56	4247.04	3856.69	3504.97	3121.65
135.0	7629.05	6901.03	6332.19	5658.01	5151.79	4671.32	4228.31	3744.91	3410.75
180.0	7073.67	6489.62	5920.78	5384.13	4770.23	4324.87	3923.99	3490.93	3178.42
225.0	6250.85	5710.10	5076.89	4612.22	4189.10	3810.46	3386.17	3090.05	2820.84
270.0	6950.78	6367.89	5807.83	5157.65	4685.96	4151.06	3770.66	3436.50	3067.81
315.0	6340.39	5787.35	5147.70	4680.10	4252.89	3870.74	3450.55	3163.78	2901.60
360.0	6817.34	6243.24	5696.05	5189.25	4603.44	4178.57	3714.48	3386.17	3092.97

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2772.85	2548.71	2347.40	2163.05	1949.44	1790.85	1642.20	1502.33	1353.10
45.0	3183.10	2913.31	2613.09	2401.82	2209.28	2037.23	1835.32	1683.75	1542.13
90.0	2858.30	2619.53	2359.10	2171.83	1958.81	1799.63	1652.15	1515.79	1394.06
135.0	3109.94	2846.01	2565.10	2360.86	2173.58	1963.49	1804.89	1656.25	1483.02
180.0	2840.74	2591.43	2384.27	2209.87	1972.27	1827.13	1669.12	1536.27	1381.19
225.0	2525.30	2319.31	2088.14	1920.18	1765.68	1591.29	1460.78	1350.17	1155.70
270.0	2802.70	2552.81	2307.02	2117.99	1938.91	1797.28	1610.01	1484.19	1360.71
315.0	2656.39	2389.53	2189.97	2009.72	1803.14	1653.90	1480.09	1360.12	1164.89
360.0	2772.85	2548.71	2347.40	2163.05	1949.44	1790.85	1642.20	1502.33	1353.10

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1157.17	1157.17	1080.79	978.67	859.58	702.21	576.39	449.86	300.51
45.0	1382.95	1279.95	1198.01	1129.54	1021.86	913.01	760.85	632.10	471.75
90.0	1152.31	1152.31	1119.77	1032.51	894.34	771.74	641.35	476.20	350.90
135.0	1358.95	1262.39	1167.00	1094.43	1000.79	855.66	732.17	602.84	474.09
180.0	1276.43	1197.43	1129.54	1013.67	905.99	740.37	609.86	485.80	332.47
225.0	1155.70	1081.20	978.26	861.74	702.45	572.23	445.18	327.90	206.00
270.0	1271.17	1173.43	1098.53	1000.21	852.15	725.15	559.53	431.37	314.32
315.0	1164.89	1099.93	1012.26	901.71	749.32	618.11	486.79	364.30	232.28
360.0	1157.17	1157.17	1080.79	978.67	859.58	702.21	576.39	449.86	300.51

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	204.24	138.29	108.44	99.20	91.65	84.68	78.13	71.10	66.07
45.0	348.85	320.18	320.18	113.53	99.84	91.88	85.03	78.54	71.57
90.0	243.51	145.55	110.84	98.20	90.53	83.69	76.90	71.16	64.73
135.0	324.27	297.35	297.35	114.00	100.83	92.70	85.21	76.55	70.64
180.0	306.13	306.13	109.32	100.07	91.88	84.62	75.90	70.05	64.67
225.0	138.52	107.62	98.55	90.89	81.93	75.32	69.52	64.20	58.76
270.0	314.32	129.45	107.62	98.73	90.89	82.11	75.55	69.82	64.61
315.0	153.91	116.34	105.11	94.40	87.37	78.77	72.86	67.53	61.62
360.0	204.24	138.29	108.44	99.20	91.65	84.68	78.13	71.10	66.07

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	61.62	56.59	53.08	49.86	46.58	44.13	42.43	40.50	39.44
45.0	66.54	62.03	57.06	53.55	49.45	46.88	44.42	42.72	40.85
90.0	60.22	56.24	52.73	48.75	46.29	43.48	41.90	40.44	39.09
135.0	64.20	59.52	55.42	51.97	48.11	45.76	43.48	41.79	39.91
180.0	59.99	54.95	51.56	48.40	45.30	42.90	41.14	39.21	38.10
225.0	54.72	51.27	48.22	45.18	42.90	41.20	39.27	38.16	37.22
270.0	59.05	54.95	50.80	47.75	45.35	42.55	40.91	39.44	38.27
315.0	57.47	53.84	50.45	47.05	44.59	42.60	40.85	39.27	38.10
360.0	61.62	56.59	53.08	49.86	46.58	44.13	42.43	40.50	39.44

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.51	37.63	37.16	36.34	35.64	34.06	32.89	31.25	29.73
45.0	39.74	38.80	38.04	37.45	36.69	36.11	34.94	33.30	31.78
90.0	38.16	37.40	36.75	35.99	35.41	34.29	32.83	31.37	29.90
135.0	38.80	37.75	37.04	36.40	35.70	34.94	33.65	32.54	30.72
180.0	37.04	36.17	35.82	35.11	34.70	33.30	32.30	30.84	29.09
225.0	36.52	35.99	35.35	34.59	33.36	32.30	30.78	29.09	27.62
270.0	37.16	36.58	36.11	35.41	34.70	33.47	32.42	30.55	29.20
315.0	37.22	36.64	35.82	35.29	34.00	32.83	31.54	29.61	28.27
360.0	38.51	37.63	37.16	36.34	35.64	34.06	32.89	31.25	29.73

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.03	26.45	24.99	23.47	22.30	21.07	20.19	19.49	18.84
45.0	29.79	28.44	26.80	25.28	23.76	22.53	21.36	20.42	19.78
90.0	28.62	26.57	25.52	23.99	22.53	21.59	20.37	19.72	19.08
135.0	29.32	27.92	26.39	24.87	23.35	22.36	21.36	20.25	19.55
180.0	27.68	26.10	24.52	23.00	21.95	20.66	19.78	19.08	18.49
225.0	26.04	24.87	23.00	21.89	20.60	19.78	19.08	18.38	17.97
270.0	27.39	25.87	24.70	22.82	21.83	20.83	19.90	19.08	18.55
315.0	26.69	25.40	23.70	22.53	21.54	20.48	19.61	18.96	18.43
360.0	28.03	26.45	24.99	23.47	22.30	21.07	20.19	19.49	18.84

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.32	17.85	17.44	16.97	16.62	16.27	15.92	15.45	15.10
45.0	19.25	18.55	18.02	17.62	17.21	16.80	16.39	16.04	15.57
90.0	18.43	17.97	17.50	17.15	16.74	16.27	15.92	15.57	15.10
135.0	18.90	18.26	17.85	17.44	16.91	16.56	16.09	15.74	15.39
180.0	17.97	17.56	17.09	16.68	16.27	15.98	15.63	15.22	14.98
225.0	17.56	17.03	16.68	16.33	15.98	15.57	15.22	14.98	14.63
270.0	18.02	17.62	17.15	16.74	16.39	16.04	15.63	15.33	14.92
315.0	17.85	17.44	16.91	16.56	16.21	15.80	15.45	15.16	14.81
360.0	18.32	17.85	17.44	16.97	16.62	16.27	15.92	15.45	15.10

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.69	14.40	14.05	13.75	13.46	13.23	12.87	12.64	12.41
45.0	15.22	14.81	14.40	13.99	13.75	13.46	13.17	12.93	12.64
90.0	14.81	14.40	14.05	13.69	13.52	13.23	12.99	12.76	12.52
135.0	14.98	14.69	14.28	13.87	13.69	13.40	13.11	12.93	12.76
180.0	14.57	14.22	13.87	13.58	13.34	13.05	12.87	12.58	12.41
225.0	14.28	13.93	13.64	13.40	13.17	12.87	12.64	12.35	12.52
270.0	14.63	14.34	13.93	13.64	13.40	13.17	12.82	12.64	12.47
315.0	14.40	14.05	13.87	13.52	13.28	12.99	12.70	12.52	12.52
360.0	14.69	14.40	14.05	13.75	13.46	13.23	12.87	12.64	12.41

Intensity data(cd)

C/γ(°)	90.0
0.0	12.41
45.0	12.41
90.0	12.47
135.0	12.47
180.0	12.52
225.0	12.47
270.0	12.58
315.0	12.52
360.0	12.41