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NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.411.00
Report No: 2024403-B015
Ballast type: AC

Test No: 2024403-C015	Voltage(V): 34.390
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.578
Lamp flux(lm): 3438.0	Power (W): 19.877
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2949.71, Efficiency(%): 85.80% , Luminous Efficacy(lm/W): 148.40
Central intensity(cd): 6763.211, Maximum intensity(cd): 6763.211
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.6
[C90/270]Total=34.6
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.967%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6763.211	0.000	0	0.00%	0.00%
1.0	6746.313	6.464	6.464	0.19%	0.22%
2.0	6698.105	19.297	25.761	0.56%	0.87%
3.0	6623.123	31.860	57.621	0.93%	1.95%
4.0	6500.738	43.930	101.551	1.28%	3.44%
5.0	6364.892	55.347	156.898	1.61%	5.32%
6.0	6215.514	66.113	223.011	1.92%	7.56%
7.0	6034.533	76.036	299.047	2.21%	10.14%
8.0	5840.311	84.986	384.033	2.47%	13.02%
9.0	5620.194	92.881	476.914	2.70%	16.17%
10.0	5397.369	99.705	576.619	2.90%	19.55%
11.0	5137.676	105.267	681.886	3.06%	23.12%
12.0	4878.567	109.492	791.378	3.18%	26.83%
13.0	4604.170	112.536	903.914	3.27%	30.64%
14.0	4316.751	114.187	1018.101	3.32%	34.52%
15.0	4027.284	114.551	1132.652	3.33%	38.40%
16.0	3737.305	113.773	1246.425	3.31%	42.26%
17.0	3467.151	112.193	1358.617	3.26%	46.06%
18.0	3201.751	109.956	1468.573	3.20%	49.79%
19.0	2976.732	107.493	1576.066	3.13%	53.43%
20.0	2759.687	104.992	1681.058	3.05%	56.99%
21.0	2545.641	101.873	1782.931	2.96%	60.44%
22.0	2345.421	98.288	1881.219	2.86%	63.78%
23.0	2156.539	94.463	1975.683	2.75%	66.98%
24.0	1973.949	90.307	2065.99	2.63%	70.04%
25.0	1800.064	85.813	2151.803	2.50%	72.95%
26.0	1596.369	80.173	2231.976	2.33%	75.67%
27.0	1410.209	73.557	2305.533	2.14%	78.16%
28.0	1261.270	67.636	2373.169	1.97%	80.45%
29.0	1147.773	63.027	2436.196	1.83%	82.59%
30.0	999.308	57.971	2494.167	1.69%	84.56%
31.0	851.824	51.514	2545.681	1.50%	86.30%
32.0	720.953	45.058	2590.739	1.31%	87.83%
33.0	597.390	38.839	2629.578	1.13%	89.15%
34.0	493.381	33.010	2662.588	0.96%	90.27%
35.0	415.612	28.230	2690.818	0.82%	91.22%
36.0	345.766	24.242	2715.061	0.71%	92.04%
37.0	292.993	20.833	2735.893	0.61%	92.75%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	262.817	18.552	2754.446	0.54%	93.38%
39.0	218.289	16.421	2770.867	0.48%	93.94%
40.0	173.548	13.666	2784.533	0.40%	94.40%
41.0	143.614	11.294	2795.827	0.33%	94.78%
42.0	122.180	9.657	2805.484	0.28%	95.11%
43.0	104.689	8.404	2813.888	0.24%	95.40%
44.0	91.098	7.390	2821.277	0.21%	95.65%
45.0	80.439	6.592	2827.87	0.19%	95.87%
46.0	71.975	5.961	2833.83	0.17%	96.07%
47.0	65.487	5.467	2839.297	0.16%	96.26%
48.0	60.264	5.083	2844.381	0.15%	96.43%
49.0	56.167	4.781	2849.162	0.14%	96.59%
50.0	52.443	4.528	2853.691	0.13%	96.74%
51.0	49.210	4.301	2857.991	0.13%	96.89%
52.0	46.642	4.113	2862.104	0.12%	97.03%
53.0	44.097	3.947	2866.052	0.11%	97.16%
54.0	41.770	3.785	2869.836	0.11%	97.29%
55.0	39.722	3.638	2873.474	0.11%	97.42%
56.0	37.754	3.501	2876.975	0.10%	97.53%
57.0	35.955	3.370	2880.345	0.10%	97.65%
58.0	34.236	3.246	2883.591	0.09%	97.76%
59.0	32.729	3.131	2886.722	0.09%	97.86%
60.0	31.222	3.021	2889.743	0.09%	97.97%
61.0	29.912	2.917	2892.66	0.08%	98.07%
62.0	28.713	2.825	2895.485	0.08%	98.16%
63.0	27.549	2.736	2898.221	0.08%	98.25%
64.0	26.379	2.646	2900.868	0.08%	98.34%
65.0	25.443	2.565	2903.432	0.07%	98.43%
66.0	24.558	2.495	2905.927	0.07%	98.52%
67.0	23.614	2.422	2908.349	0.07%	98.60%
68.0	22.736	2.348	2910.697	0.07%	98.68%
69.0	22.019	2.283	2912.98	0.07%	98.75%
70.0	21.310	2.225	2915.206	0.06%	98.83%
71.0	20.607	2.166	2917.372	0.06%	98.90%
72.0	19.934	2.108	2919.48	0.06%	98.98%
73.0	19.327	2.053	2921.533	0.06%	99.04%
74.0	18.778	2.003	2923.536	0.06%	99.11%
75.0	18.237	1.956	2925.492	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.732	1.909	2927.402	0.06%	99.24%
77.0	17.257	1.865	2929.267	0.05%	99.31%
78.0	16.818	1.824	2931.091	0.05%	99.37%
79.0	16.320	1.781	2932.872	0.05%	99.43%
80.0	15.830	1.733	2934.605	0.05%	99.49%
81.0	15.435	1.691	2936.296	0.05%	99.55%
82.0	14.996	1.650	2937.946	0.05%	99.60%
83.0	14.448	1.601	2939.547	0.05%	99.66%
84.0	13.972	1.548	2941.095	0.05%	99.71%
85.0	13.643	1.507	2942.602	0.04%	99.76%
86.0	13.343	1.475	2944.077	0.04%	99.81%
87.0	13.072	1.446	2945.523	0.04%	99.86%
88.0	12.824	1.419	2946.941	0.04%	99.91%
89.0	12.604	1.394	2948.335	0.04%	99.95%
90.0	12.502	1.377	2949.712	0.04%	100.00%

Zonal flux distribution table

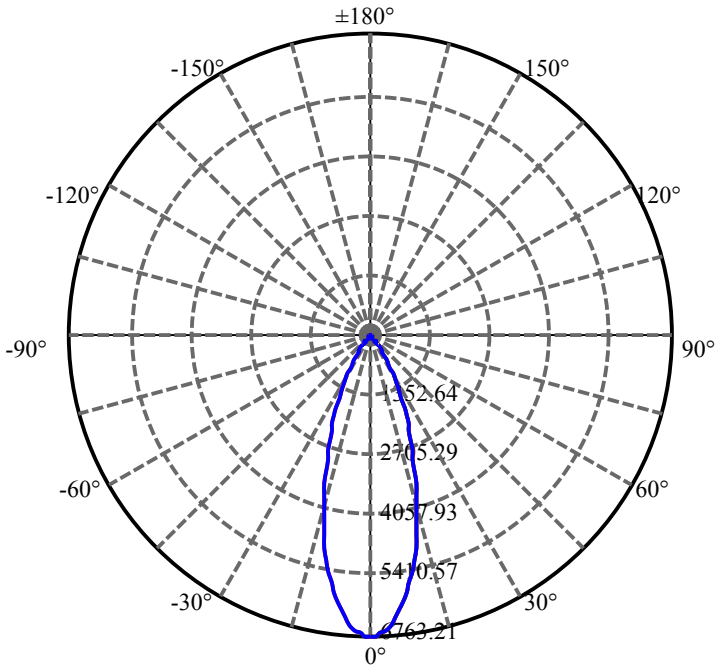
ZONAL LUMEN SUMMARY

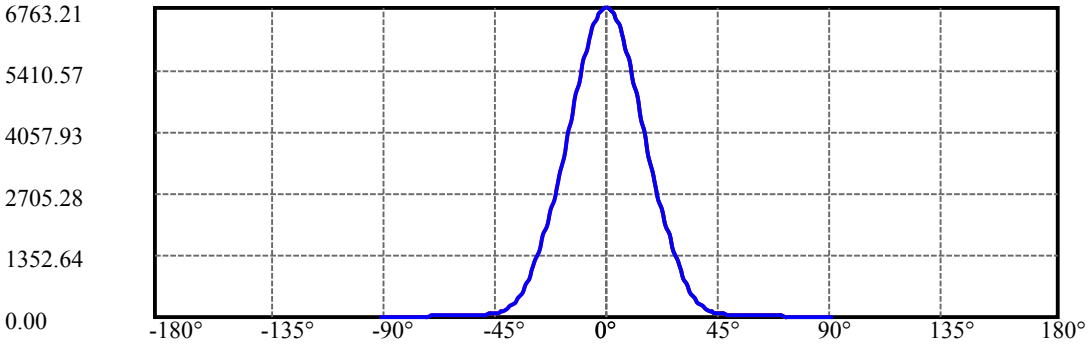
Zone	Lumens	%Lamp	%Fixt
0-30	2494.17	72.55%	84.56%
0-40	2784.53	80.99%	94.40%
0-60	2889.74	84.05%	97.97%
0-90	2948.34	85.76%	99.95%
0-120	2948.34	85.76%	99.95%
0-180	2949.71	85.80%	100.00%
60-90	58.59	1.70%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.80	2359.77	68.64%	80.00%

ZONAL LUMEN SUMMARY

0-10	576.62
10-20	1104.44
20-30	813.11
30-40	290.37
40-50	69.16
50-60	36.05
60-70	25.46
70-80	19.40
80-90	13.73
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:

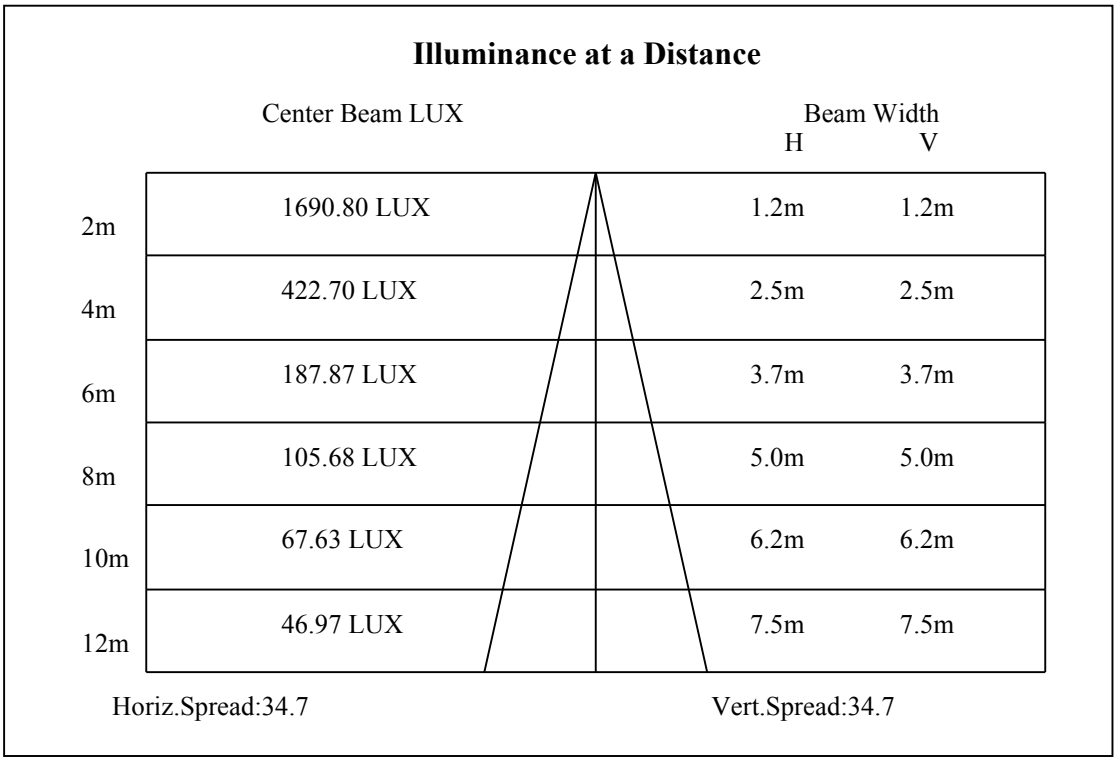
C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

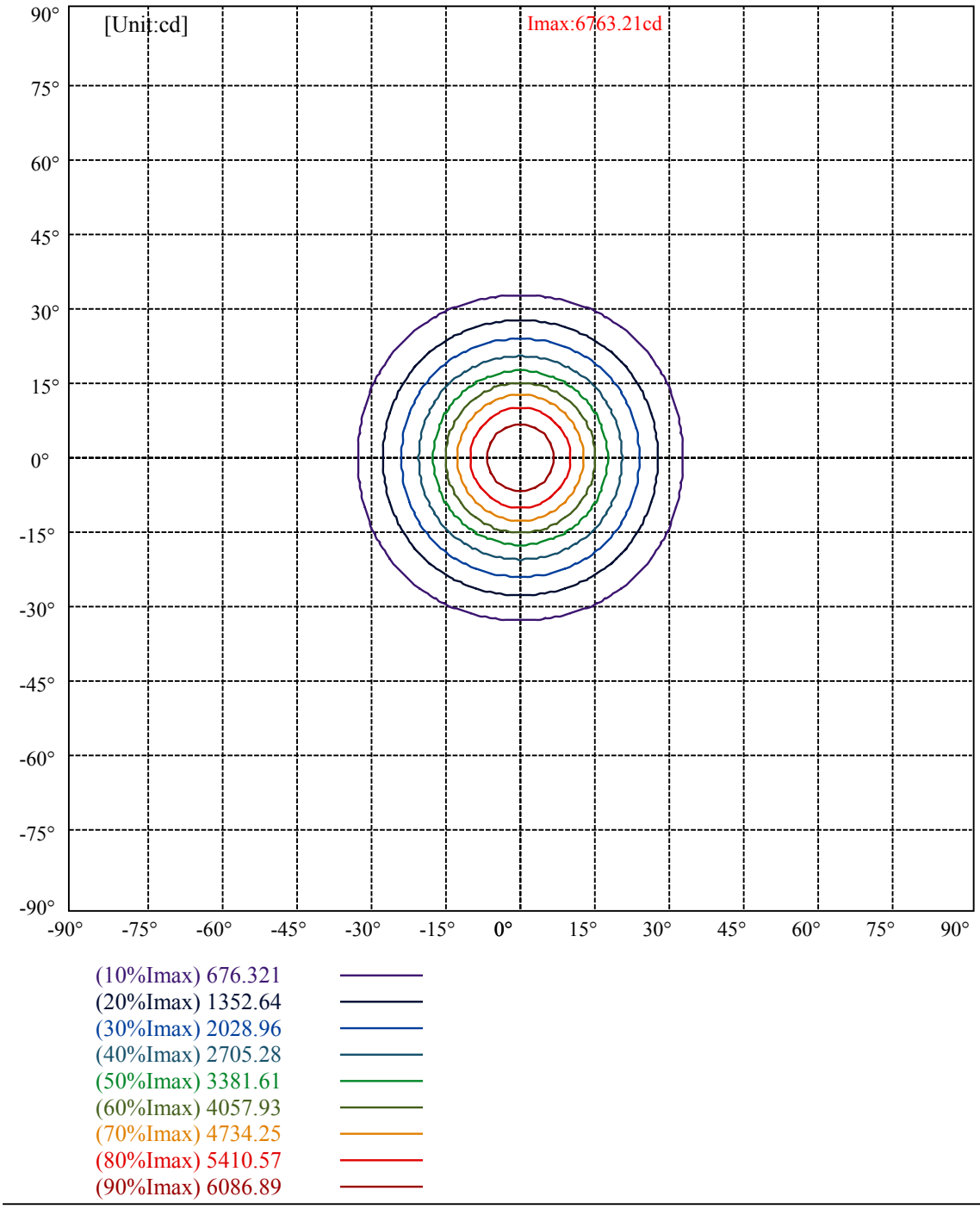
Beam Angle(50%Imax):C0/180Left:17.3 Right:17.3
:C90/270Left:17.3 Right:17.3

Equipment: GMS1980	Date: 2024/4/03	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve

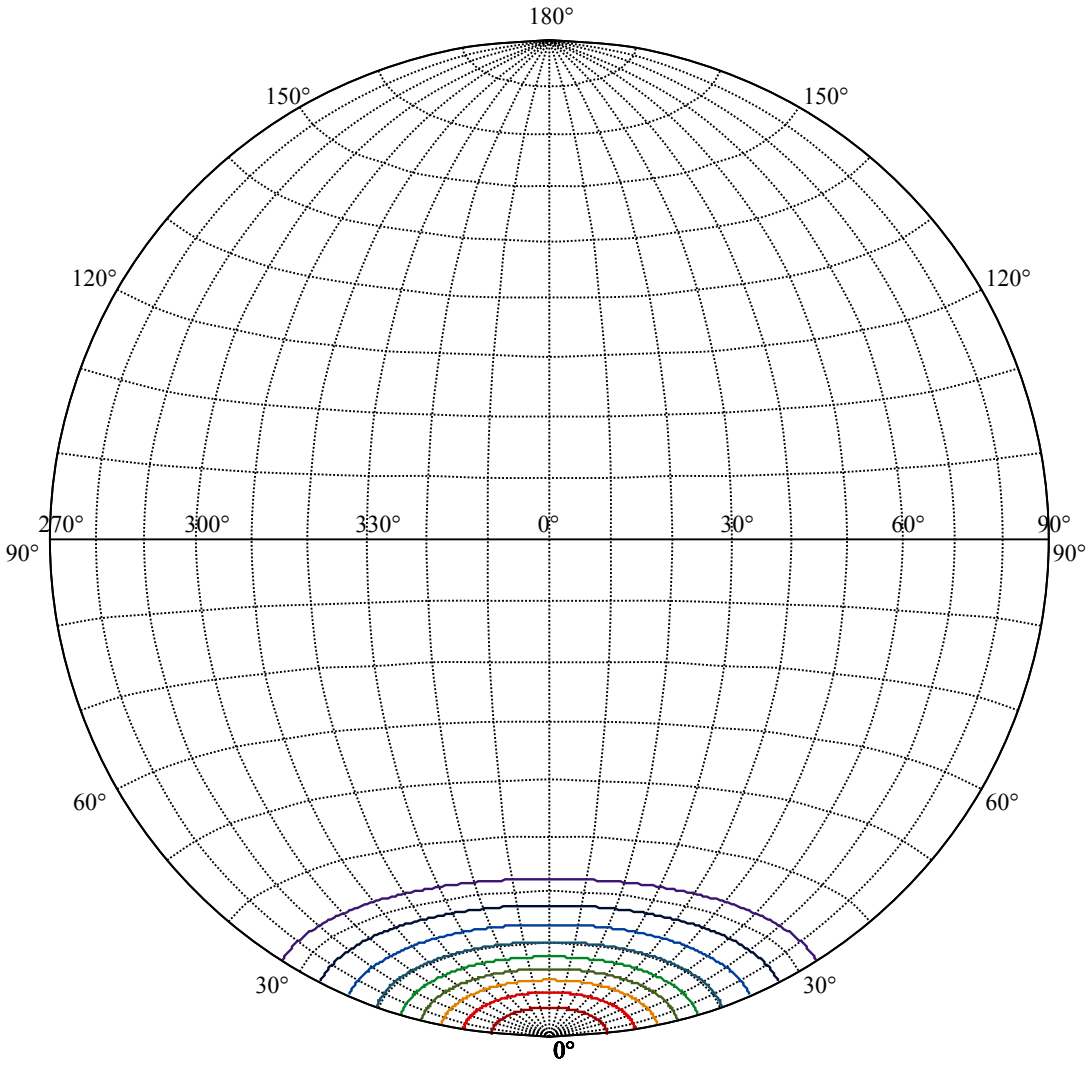


Equipment: GMS1980 Date: 2024/4/03 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/4/03
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

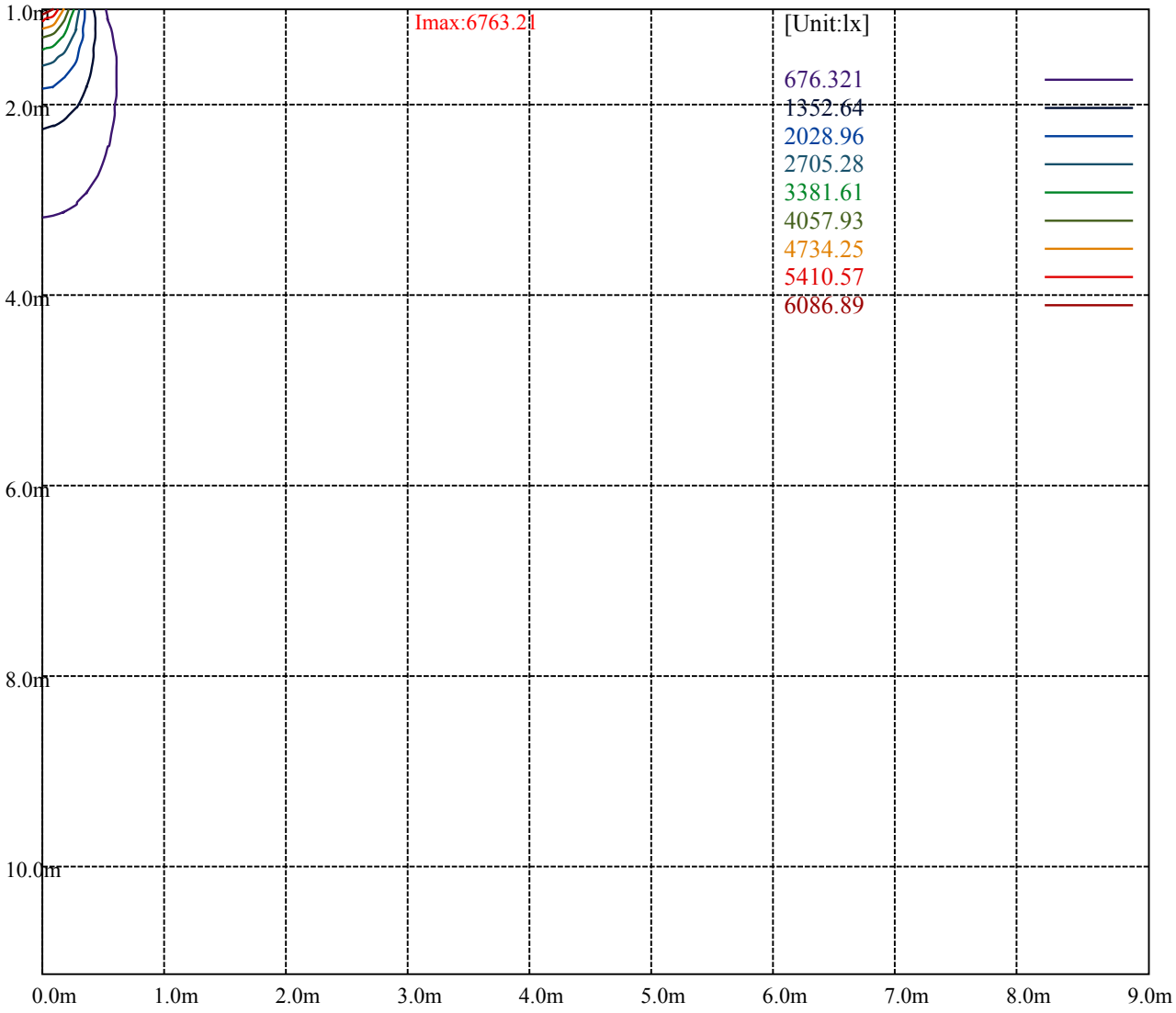


[Unit:cd]

Imax:6763.21

(10%Imax) 676.321
(20%Imax) 1352.64
(30%Imax) 2028.96
(40%Imax) 2705.28
(50%Imax) 3381.61
(60%Imax) 4057.93
(70%Imax) 4734.25
(80%Imax) 5410.57
(90%Imax) 6086.89

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

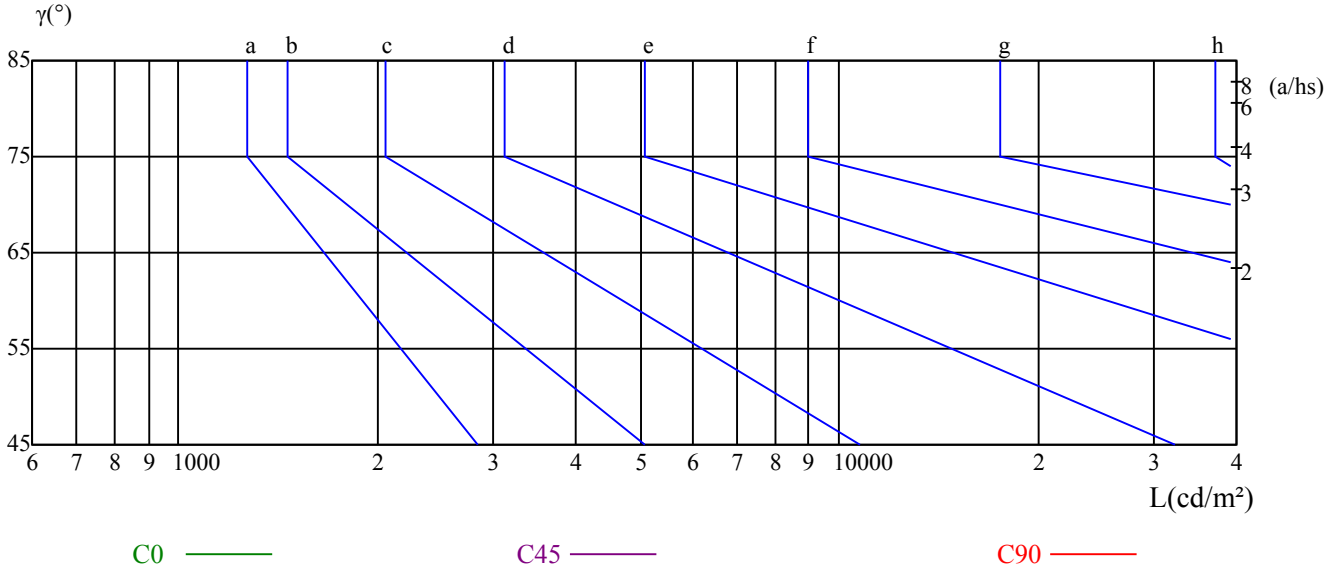
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

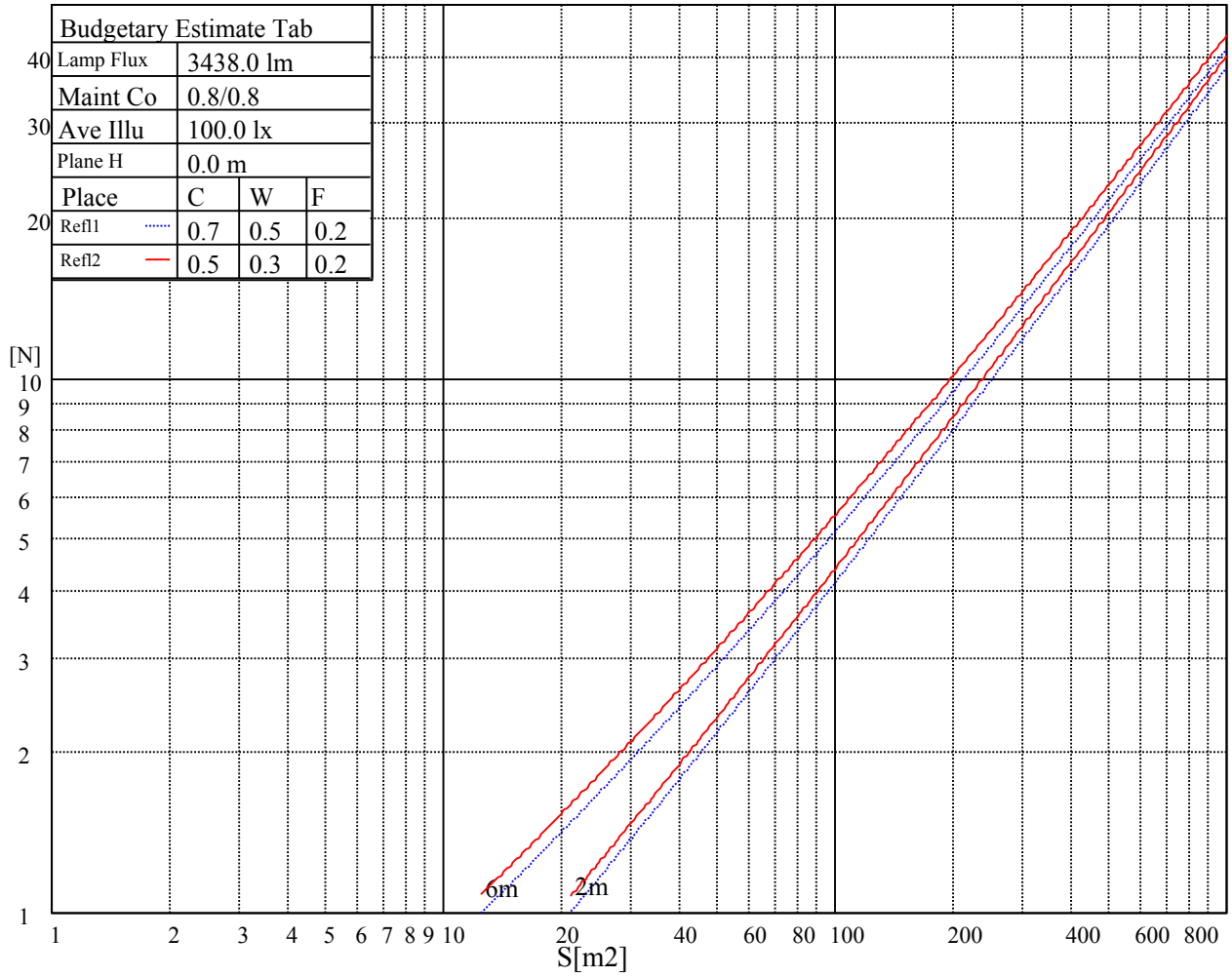
Date: 2024/4/03
Humidity(%): 60.0%

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

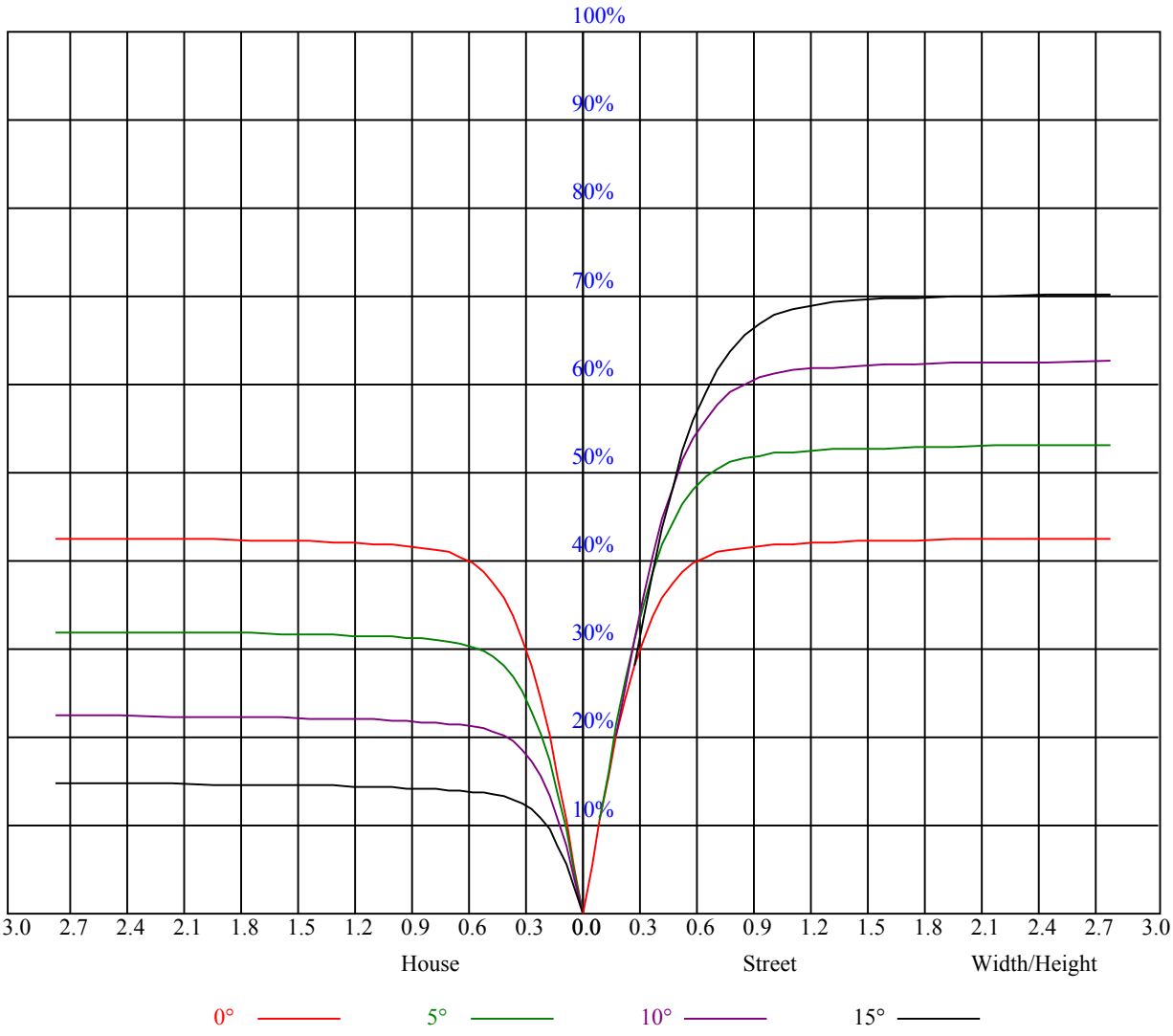


Equipment: GMS1980 Date: 2024/4/03 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

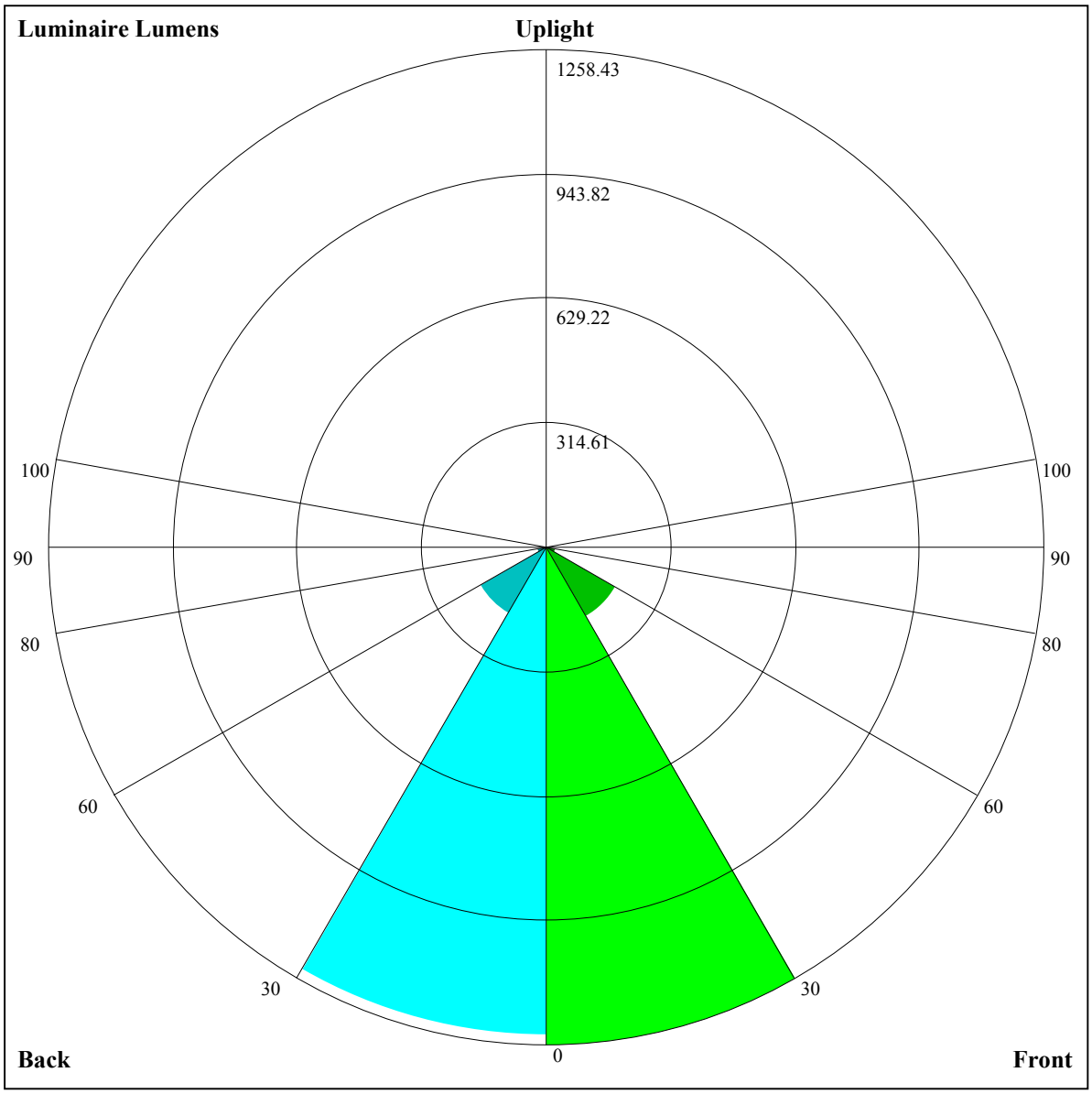
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.95	0.93	0.92	0.94	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	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.70	0.68
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.56
9	0.63	0.59	0.56	0.63	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.61	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: 2024/4/03	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1258.43,FM=204.25,FH=22.63,FVH=7.59
BL=1232.68,BM=194.91,BH=22.29,BVH=7.53
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	6764.67	6712.59	6633.58	6561.60	6464.45	6309.95	6165.40	6037.24	5874.55
45.0	6769.94	6765.26	6755.31	6703.81	6595.54	6490.20	6388.96	6247.92	6047.19
90.0	6788.08	6782.23	6736.58	6645.87	6510.69	6357.36	6197.01	6013.25	5820.12
135.0	6730.15	6787.50	6804.47	6791.01	6676.31	6534.68	6389.55	6170.09	5975.79
180.0	6764.67	6792.18	6781.06	6717.86	6551.07	6420.56	6269.57	6080.55	5824.80
225.0	6769.94	6706.74	6614.27	6503.66	6345.65	6185.89	6005.64	5766.87	5556.18
270.0	6788.08	6748.87	6690.94	6583.84	6491.37	6383.69	6209.88	6054.80	5888.01
315.0	6730.15	6675.13	6568.62	6477.33	6370.82	6236.80	6098.10	5905.56	5735.85
360.0	6764.67	6712.59	6633.58	6561.60	6464.45	6309.95	6165.40	6037.24	5874.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5643.97	5425.68	5193.35	4944.62	4613.97	4354.72	4088.44	3754.86	3495.61
45.0	5875.72	5700.74	5460.21	5240.75	4939.36	4683.03	4405.05	4139.35	3813.38
90.0	5570.82	5351.36	5075.13	4829.92	4586.47	4239.43	3961.45	3691.07	3434.16
135.0	5752.82	5533.95	5244.84	5019.53	4784.27	4536.14	4203.14	3916.38	3572.27
180.0	5601.25	5371.84	5130.73	4838.70	4587.64	4333.06	3976.66	3694.58	3445.86
225.0	5339.65	5052.89	4801.24	4542.57	4258.74	3922.24	3658.89	3416.02	3177.25
270.0	5655.09	5446.16	5207.98	4880.84	4607.53	4338.92	4052.74	3728.53	3486.24
315.0	5522.24	5296.34	4987.93	4731.60	4455.38	4126.48	3871.91	3557.64	3312.43
360.0	5643.97	5425.68	5193.35	4944.62	4613.97	4354.72	4088.44	3754.86	3495.61

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3200.65	2985.88	2779.88	2577.97	2344.47	2169.49	1992.75	1823.03	1622.89
45.0	3551.20	3304.82	3080.68	2817.92	2614.84	2418.21	2194.07	2024.94	1862.83
90.0	3146.81	2937.30	2733.64	2536.42	2299.99	2120.91	1948.86	1783.24	1584.85
135.0	3327.65	3100.00	2847.18	2651.71	2463.86	2281.27	2059.47	1887.99	1724.72
180.0	3142.13	2929.69	2732.47	2491.95	2311.70	2133.79	1962.90	1759.24	1603.58
225.0	2910.38	2709.65	2522.38	2288.87	2116.82	1908.48	1751.64	1597.72	1153.24
270.0	3250.98	3025.67	2755.30	2560.42	2343.88	2164.22	1988.65	1795.53	1645.71
315.0	3084.19	2820.84	2625.96	2439.86	2267.81	2055.95	1893.26	1728.81	1573.14
360.0	3200.65	2985.88	2779.88	2577.97	2344.47	2169.49	1992.75	1823.03	1622.89

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1465.46	1139.43	1139.43	999.45	862.15	733.11	588.97	494.16	416.56
45.0	1660.93	1501.75	1350.76	1174.02	1035.91	898.96	738.03	620.98	522.66
90.0	1325.59	1143.53	1109.65	974.05	810.01	688.87	578.49	485.68	394.09
135.0	1569.63	1378.85	1231.37	1093.26	924.13	794.79	675.99	548.41	461.80
180.0	1449.08	1305.70	1128.37	986.75	851.56	692.96	580.60	465.90	396.26
225.0	1153.24	1117.66	977.33	809.37	685.71	572.88	480.94	393.45	335.86
270.0	1492.38	1337.88	1155.29	1011.33	870.29	736.86	591.72	498.08	423.18
315.0	1165.36	1165.36	1089.98	946.25	774.84	649.19	544.38	440.38	374.49
360.0	1465.46	1139.43	1139.43	999.45	862.15	733.11	588.97	494.16	416.56

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	337.91	287.29	244.16	198.98	170.71	146.48	126.82	107.21	94.92
45.0	441.90	357.63	300.28	300.28	240.70	168.43	143.38	122.78	102.59
90.0	333.99	283.25	238.13	191.72	162.75	138.41	118.63	99.14	87.26
135.0	375.77	317.84	304.96	304.96	180.54	153.33	130.45	111.95	97.03
180.0	337.73	299.11	299.11	197.16	167.78	143.03	117.98	102.24	89.19
225.0	286.94	244.04	199.44	169.36	138.35	118.57	102.47	86.61	77.25
270.0	347.10	296.18	296.18	203.13	173.05	147.48	121.73	105.52	92.41
315.0	304.79	258.61	220.28	180.72	154.50	133.20	115.99	102.06	88.13
360.0	337.91	287.29	244.16	198.98	170.71	146.48	126.82	107.21	94.92

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	84.92	76.72	68.53	63.09	57.41	53.67	50.50	47.29	44.89
45.0	89.83	77.78	70.52	64.73	59.99	55.48	52.32	49.63	47.23
90.0	75.79	68.94	63.56	58.58	55.25	52.14	48.81	46.47	44.13
135.0	82.58	73.91	67.36	60.98	57.18	53.61	49.69	47.23	44.42
180.0	78.89	69.47	63.79	58.29	54.72	51.62	48.28	45.82	43.48
225.0	69.99	64.43	58.93	55.19	51.91	49.04	46.00	43.72	41.49
270.0	82.28	72.51	66.54	61.57	57.41	52.85	49.74	47.11	44.18
315.0	79.24	72.04	64.67	59.69	55.48	51.15	48.34	45.88	42.96
360.0	84.92	76.72	68.53	63.09	57.41	53.67	50.50	47.29	44.89

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.66	40.15	38.22	36.40	34.82	32.89	31.49	30.20	29.14
45.0	44.36	42.31	40.38	38.57	36.34	34.76	32.89	31.54	30.26
90.0	42.02	39.62	37.81	36.11	34.53	32.83	31.49	29.96	28.85
135.0	42.14	40.26	38.51	36.28	34.65	33.24	31.89	30.26	29.09
180.0	40.91	39.03	37.22	35.46	33.59	32.25	30.90	29.67	28.32
225.0	39.21	37.34	35.64	33.83	32.42	31.13	29.61	28.50	27.39
270.0	42.02	40.09	37.69	35.99	34.06	32.66	31.19	29.96	28.56
315.0	40.85	38.98	36.58	35.00	33.47	32.07	30.31	29.20	28.09
360.0	42.66	40.15	38.22	36.40	34.82	32.89	31.49	30.20	29.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.74	26.69	25.75	24.76	23.88	22.82	22.12	21.48	20.78
45.0	28.91	27.80	26.80	25.87	24.87	24.05	23.17	22.41	21.59
90.0	27.74	26.45	25.57	24.76	23.88	22.82	22.12	21.54	20.83
135.0	28.03	26.69	25.75	24.99	23.94	23.12	22.36	21.54	20.89
180.0	27.27	26.16	25.05	24.23	23.17	22.36	21.71	21.13	20.31
225.0	26.28	25.22	24.29	23.41	22.65	21.77	21.19	20.31	19.72
270.0	27.45	26.28	25.40	24.58	23.53	22.71	22.00	21.24	20.60
315.0	26.98	25.75	24.93	23.88	23.00	22.24	21.48	20.83	20.13
360.0	27.74	26.69	25.75	24.76	23.88	22.82	22.12	21.48	20.78

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.96	19.43	18.90	18.38	17.79	17.32	16.97	16.39	15.92
45.0	20.95	20.25	19.49	19.02	18.55	17.91	17.44	16.97	16.56
90.0	20.01	19.43	18.96	18.32	17.85	17.38	16.85	16.39	15.80
135.0	20.25	19.61	19.02	18.55	18.02	17.56	17.09	16.74	16.21
180.0	19.72	19.20	18.73	18.08	17.56	17.15	16.74	16.15	15.68
225.0	19.20	18.55	18.02	17.56	17.03	16.62	16.09	15.68	15.22
270.0	19.84	19.25	18.73	18.14	17.62	17.21	16.80	16.21	15.74
315.0	19.55	18.90	18.38	17.85	17.44	16.91	16.56	16.04	15.51
360.0	19.96	19.43	18.90	18.38	17.79	17.32	16.97	16.39	15.92

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.57	15.16	14.69	14.05	13.75	13.46	13.11	12.82	12.64
45.0	16.04	15.51	15.10	14.63	14.05	13.75	13.46	13.05	12.82
90.0	15.45	15.10	14.51	13.99	13.75	13.40	13.11	12.87	12.58
135.0	15.63	15.27	14.75	14.10	13.81	13.52	13.17	12.93	12.87
180.0	15.27	14.92	14.22	13.81	13.58	13.23	12.93	12.93	12.47
225.0	14.92	14.28	13.81	13.58	13.28	12.99	12.93	12.47	12.64
270.0	15.39	14.98	14.46	13.87	13.52	13.23	12.99	12.82	12.41
315.0	15.22	14.75	14.05	13.75	13.40	13.17	12.87	12.70	12.41
360.0	15.57	15.16	14.69	14.05	13.75	13.46	13.11	12.82	12.64

Intensity data(cd)

C/γ(°)	90.0
0.0	12.41
45.0	12.52
90.0	12.47
135.0	12.47
180.0	12.64
225.0	12.52
270.0	12.52
315.0	12.47
360.0	12.41