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NT

Client:
LumCAT: 2-2683-L
Luminaire: 92.70.412.00
Report No: 2024319-B015
Ballast type: AC

Test No: 2024319-C015	Voltage(V): 35.110
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.451
Lamp flux(lm): 2698.0	Power (W): 15.834
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2344.75, Efficiency(%): 86.91% , Luminous Efficacy(lm/W): 148.08
Central intensity(cd): 7677.480, Maximum intensity(cd): 7677.480
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.6
[C90/270]Total=25.6
Field angle(10%Imax): [C0/180]Total=58.4
[C90/270]Total=58.4
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.91%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.049%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7677.479	0.000	0	0.00%	0.00%
1.0	7644.194	7.331	7.331	0.27%	0.31%
2.0	7548.876	21.807	29.138	0.81%	1.24%
3.0	7391.523	35.733	64.87	1.32%	2.77%
4.0	7203.520	48.854	113.724	1.81%	4.85%
5.0	6938.632	60.839	174.563	2.25%	7.44%
6.0	6626.634	71.289	245.852	2.64%	10.49%
7.0	6282.083	80.124	325.977	2.97%	13.90%
8.0	5877.620	87.025	413.001	3.23%	17.61%
9.0	5468.694	91.956	504.957	3.41%	21.54%
10.0	5023.191	94.948	599.905	3.52%	25.59%
11.0	4589.832	96.054	695.959	3.56%	29.68%
12.0	4152.888	95.570	791.529	3.54%	33.76%
13.0	3768.981	94.013	885.542	3.48%	37.77%
14.0	3383.464	91.551	977.092	3.39%	41.67%
15.0	3059.030	88.445	1065.538	3.28%	45.44%
16.0	2759.541	85.258	1150.796	3.16%	49.08%
17.0	2476.584	81.541	1232.337	3.02%	52.56%
18.0	2232.107	77.636	1309.973	2.88%	55.87%
19.0	2034.081	74.223	1384.196	2.75%	59.03%
20.0	1847.029	71.035	1455.231	2.63%	62.06%
21.0	1676.216	67.653	1522.884	2.51%	64.95%
22.0	1519.361	64.216	1587.101	2.38%	67.69%
23.0	1420.604	61.688	1648.789	2.29%	70.32%
24.0	1296.354	59.402	1708.191	2.20%	72.85%
25.0	1180.121	56.310	1764.501	2.09%	75.25%
26.0	1072.820	53.181	1817.682	1.97%	77.52%
27.0	987.245	50.400	1868.082	1.87%	79.67%
28.0	891.217	47.559	1915.641	1.76%	81.70%
29.0	789.578	43.974	1959.615	1.63%	83.57%
30.0	694.362	40.066	1999.681	1.49%	85.28%
31.0	599.578	36.008	2035.69	1.33%	86.82%
32.0	514.566	31.919	2067.609	1.18%	88.18%
33.0	437.653	28.053	2095.661	1.04%	89.38%
34.0	369.965	24.441	2120.102	0.91%	90.42%
35.0	314.339	21.252	2141.354	0.79%	91.33%
36.0	257.382	18.204	2159.558	0.67%	92.10%
37.0	218.874	15.533	2175.091	0.58%	92.76%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	197.221	13.889	2188.979	0.51%	93.36%
39.0	161.500	12.244	2201.223	0.45%	93.88%
40.0	135.567	10.361	2211.584	0.38%	94.32%
41.0	114.711	8.912	2220.496	0.33%	94.70%
42.0	99.357	7.777	2228.274	0.29%	95.03%
43.0	84.945	6.827	2235.101	0.25%	95.32%
44.0	73.665	5.986	2241.087	0.22%	95.58%
45.0	64.477	5.309	2246.396	0.20%	95.81%
46.0	57.725	4.779	2251.175	0.18%	96.01%
47.0	52.524	4.385	2255.56	0.16%	96.20%
48.0	48.208	4.072	2259.632	0.15%	96.37%
49.0	45.567	3.851	2263.483	0.14%	96.53%
50.0	43.519	3.714	2267.198	0.14%	96.69%
51.0	41.697	3.605	2270.803	0.13%	96.85%
52.0	40.168	3.513	2274.316	0.13%	97.00%
53.0	38.852	3.437	2277.753	0.13%	97.14%
54.0	37.447	3.363	2281.116	0.12%	97.29%
55.0	35.838	3.271	2284.388	0.12%	97.43%
56.0	34.250	3.167	2287.555	0.12%	97.56%
57.0	32.546	3.054	2290.609	0.11%	97.69%
58.0	30.834	2.931	2293.54	0.11%	97.82%
59.0	29.122	2.803	2296.343	0.10%	97.94%
60.0	27.403	2.670	2299.013	0.10%	98.05%
61.0	25.801	2.539	2301.552	0.09%	98.16%
62.0	24.184	2.409	2303.961	0.09%	98.26%
63.0	22.795	2.285	2306.245	0.08%	98.36%
64.0	21.478	2.172	2308.418	0.08%	98.45%
65.0	20.117	2.058	2310.476	0.08%	98.54%
66.0	18.874	1.945	2312.422	0.07%	98.62%
67.0	17.908	1.849	2314.271	0.07%	98.70%
68.0	16.935	1.765	2316.036	0.07%	98.78%
69.0	16.072	1.684	2317.72	0.06%	98.85%
70.0	15.413	1.617	2319.337	0.06%	98.92%
71.0	14.821	1.563	2320.9	0.06%	98.98%
72.0	14.309	1.515	2322.414	0.06%	99.05%
73.0	13.870	1.474	2323.888	0.05%	99.11%
74.0	13.497	1.439	2325.327	0.05%	99.17%
75.0	13.160	1.408	2326.735	0.05%	99.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.794	1.378	2328.113	0.05%	99.29%
77.0	12.487	1.348	2329.461	0.05%	99.35%
78.0	12.173	1.320	2330.781	0.05%	99.40%
79.0	11.902	1.294	2332.074	0.05%	99.46%
80.0	11.580	1.266	2333.34	0.05%	99.51%
81.0	11.324	1.239	2334.579	0.05%	99.57%
82.0	11.046	1.213	2335.792	0.04%	99.62%
83.0	10.819	1.189	2336.981	0.04%	99.67%
84.0	10.585	1.166	2338.147	0.04%	99.72%
85.0	10.373	1.144	2339.291	0.04%	99.77%
86.0	10.183	1.124	2340.414	0.04%	99.82%
87.0	9.993	1.104	2341.519	0.04%	99.86%
88.0	9.876	1.088	2342.607	0.04%	99.91%
89.0	9.751	1.076	2343.683	0.04%	99.95%
90.0	9.700	1.066	2344.749	0.04%	100.00%

Zonal flux distribution table

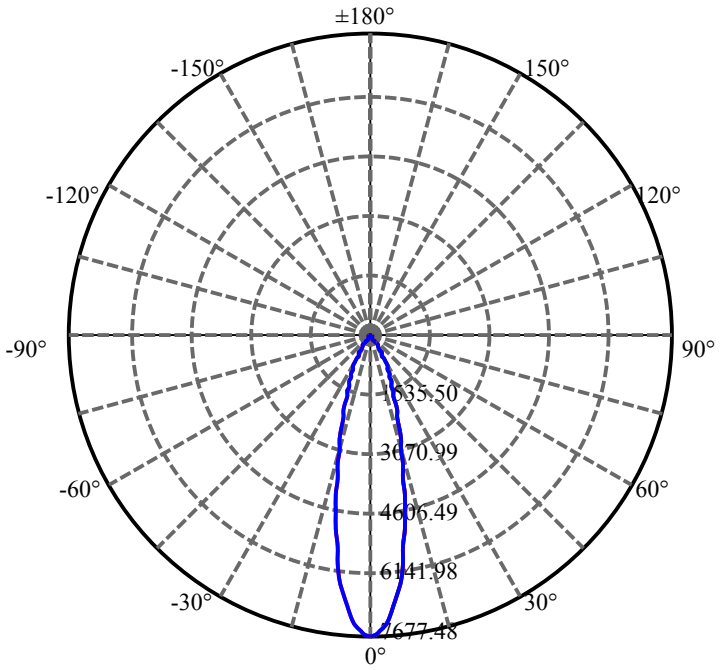
ZONAL LUMEN SUMMARY

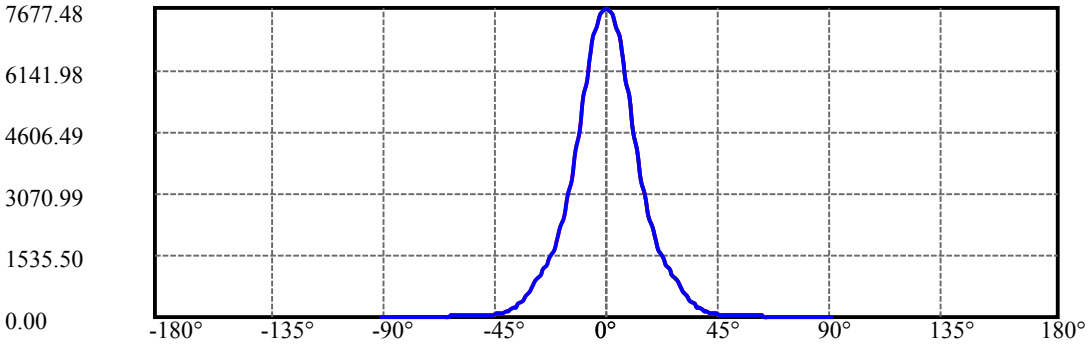
Zone	Lumens	%Lamp	%Fixt
0-30	1999.68	74.12%	85.28%
0-40	2211.58	81.97%	94.32%
0-60	2299.01	85.21%	98.05%
0-90	2343.68	86.87%	99.95%
0-120	2343.68	86.87%	99.95%
0-180	2344.75	86.91%	100.00%
60-90	44.67	1.66%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.16	1875.80	69.53%	80.00%

ZONAL LUMEN SUMMARY

0-10	599.90
10-20	855.33
20-30	544.45
30-40	211.90
40-50	55.61
50-60	31.82
60-70	20.32
70-80	14.00
80-90	10.34
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):

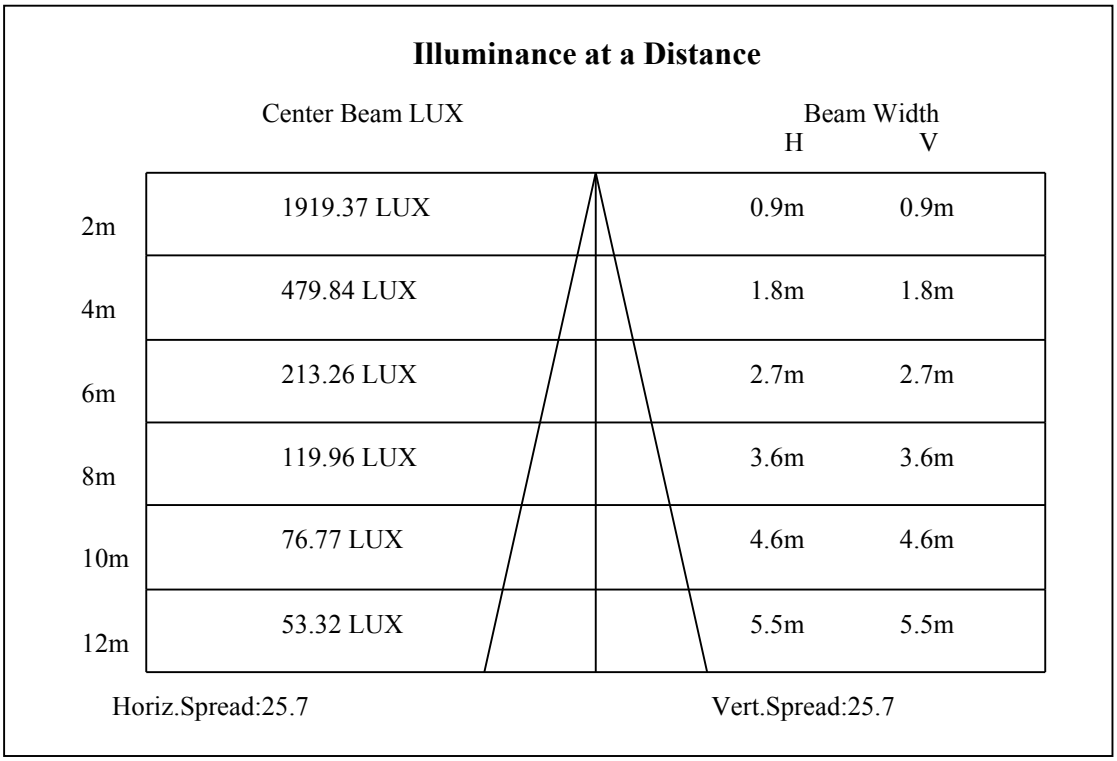
C0/C180:

C90/C270:

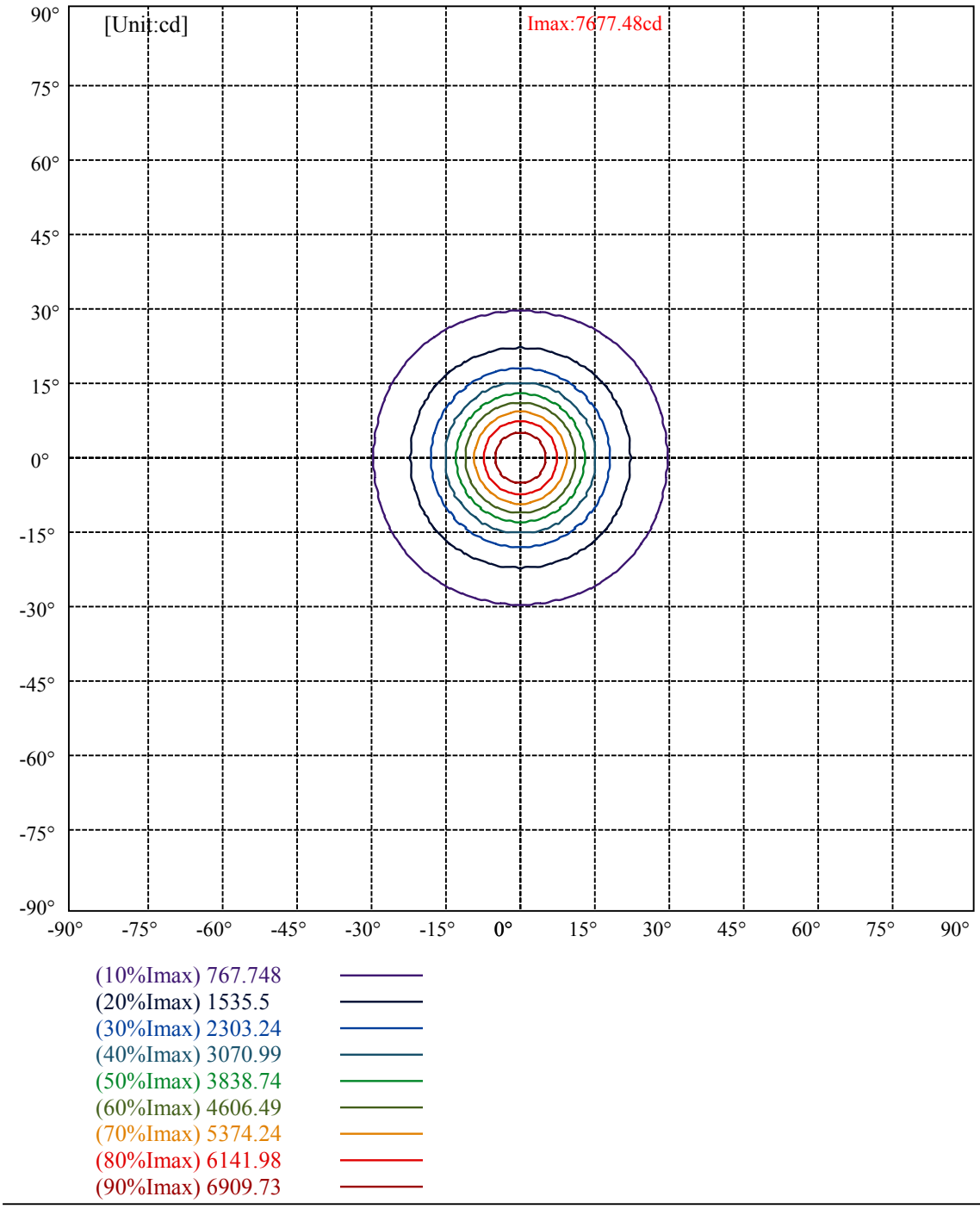
Field angle(10%Imax):C0/180Left:29.2 Right:29.2
:C90/270Left:29.2 Right:29.2

Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8
:C90/270Left:12.8 Right:12.8

Lux distance Curve



ISO-Intensity(V-H)

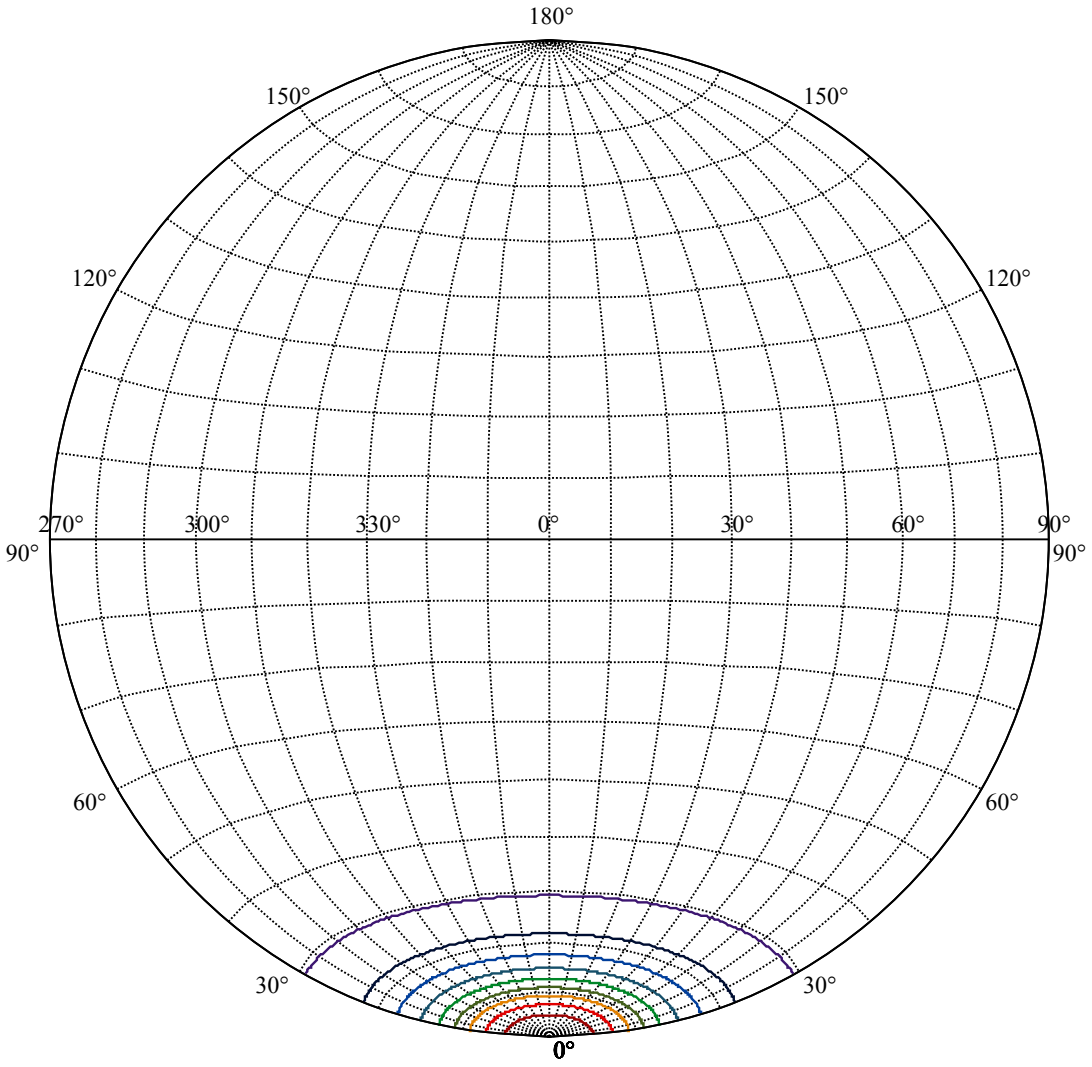


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



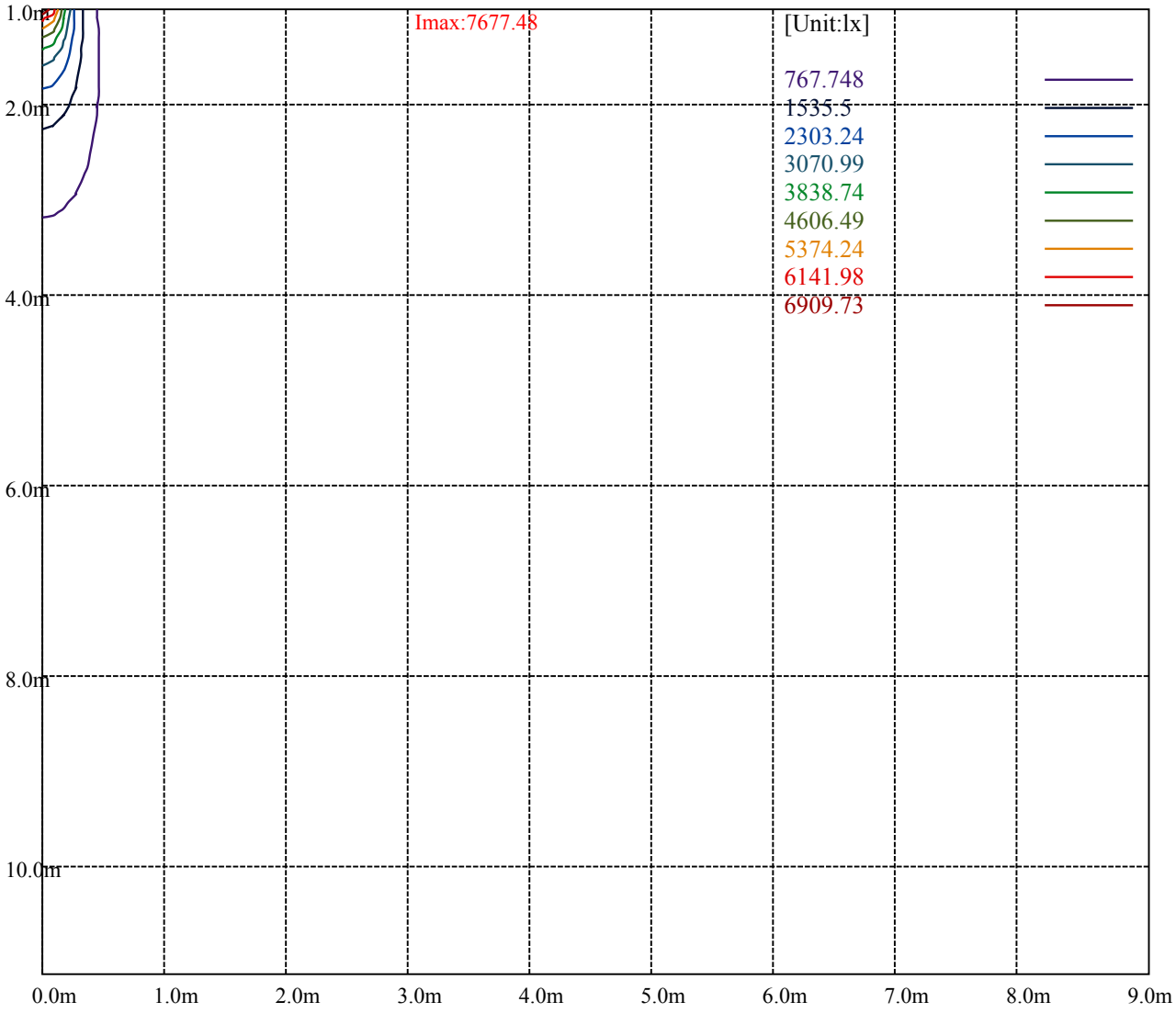
House [Unit:cd] Road

Imax:7677.48

(10%Imax) 767.748
(20%Imax) 1535.5
(30%Imax) 2303.24
(40%Imax) 3070.99
(50%Imax) 3838.74
(60%Imax) 4606.49
(70%Imax) 5374.24
(80%Imax) 6141.98
(90%Imax) 6909.73

Equipment: GMS1980	Date: 2024/3/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2683-L

Luminance Limitting Curve(no luminous side)

Luminance Table

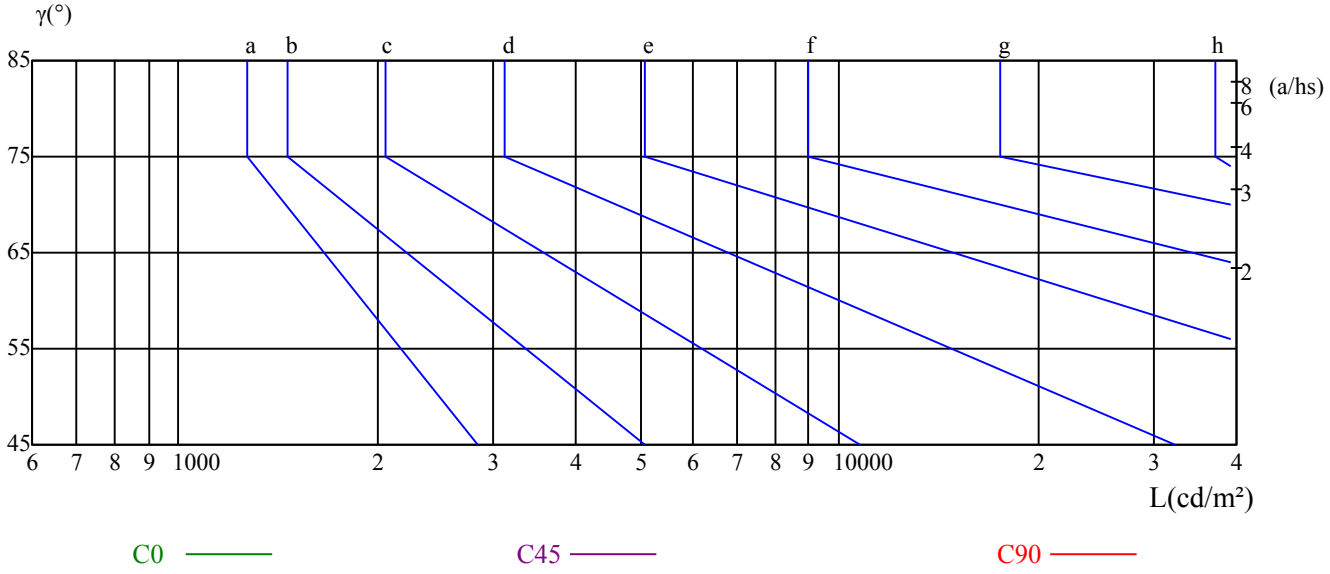
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

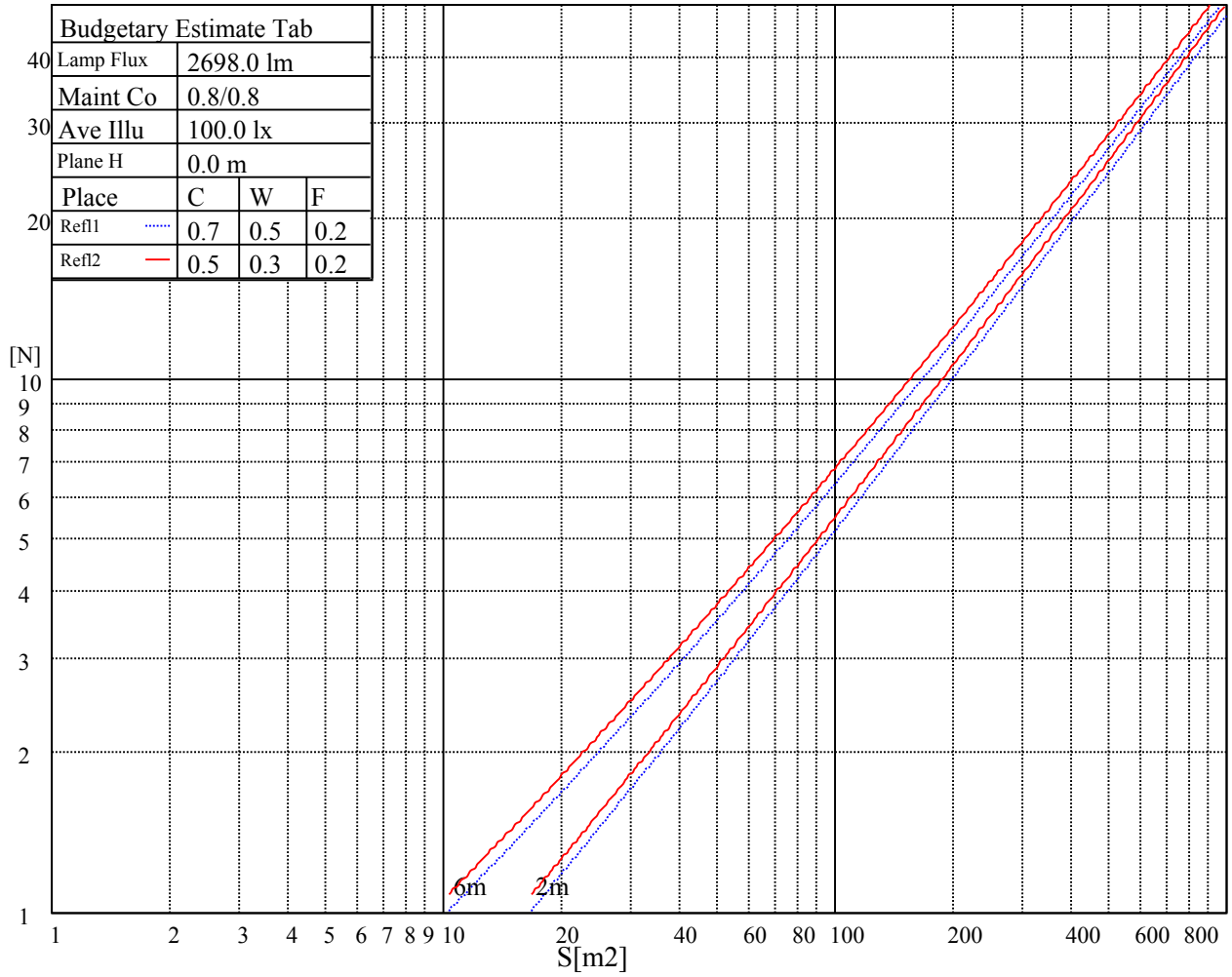
Date: 2024/3/19
Humidity(%): 60.0%

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

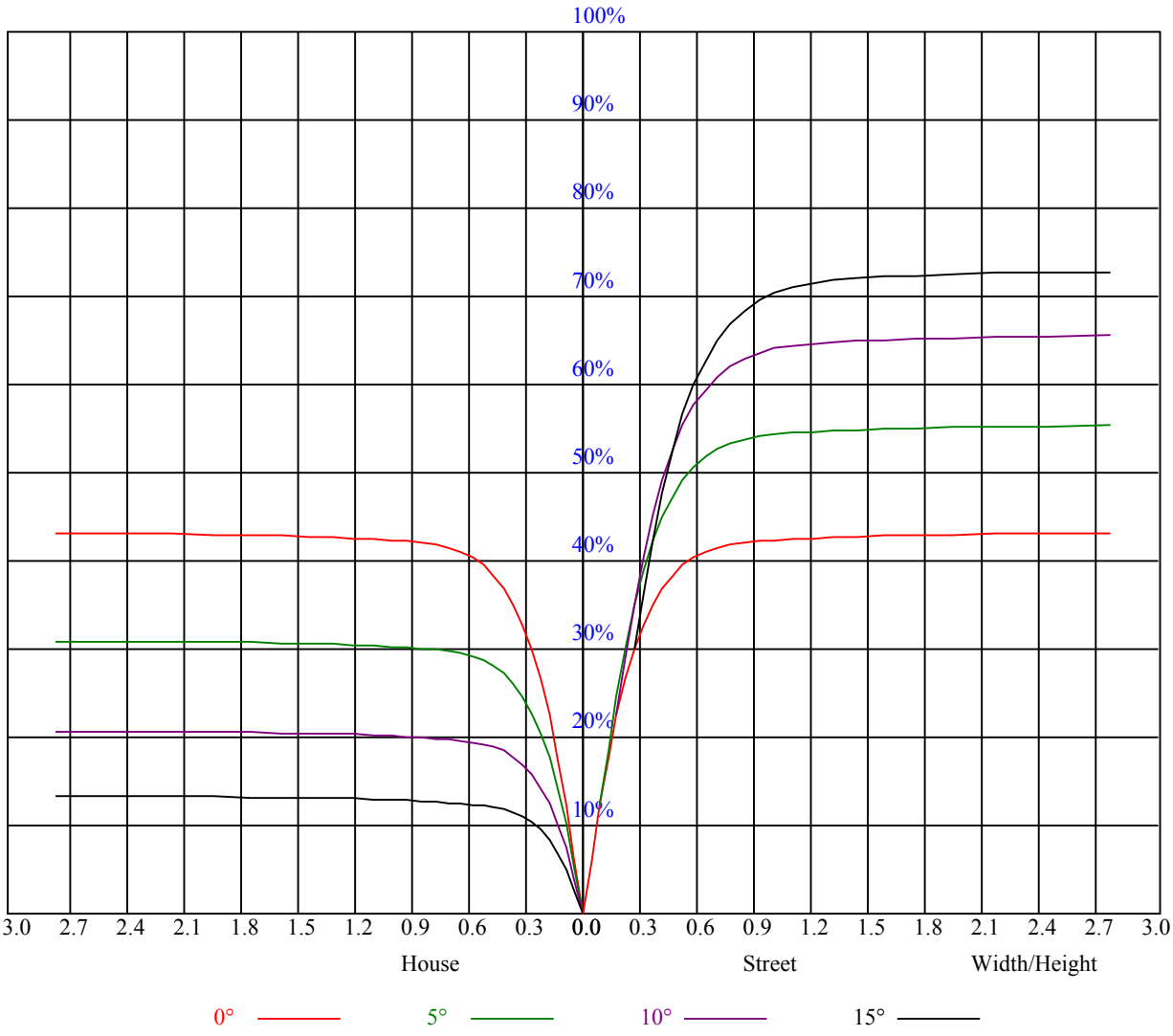


Equipment: GMS1980 Date: 2024/3/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

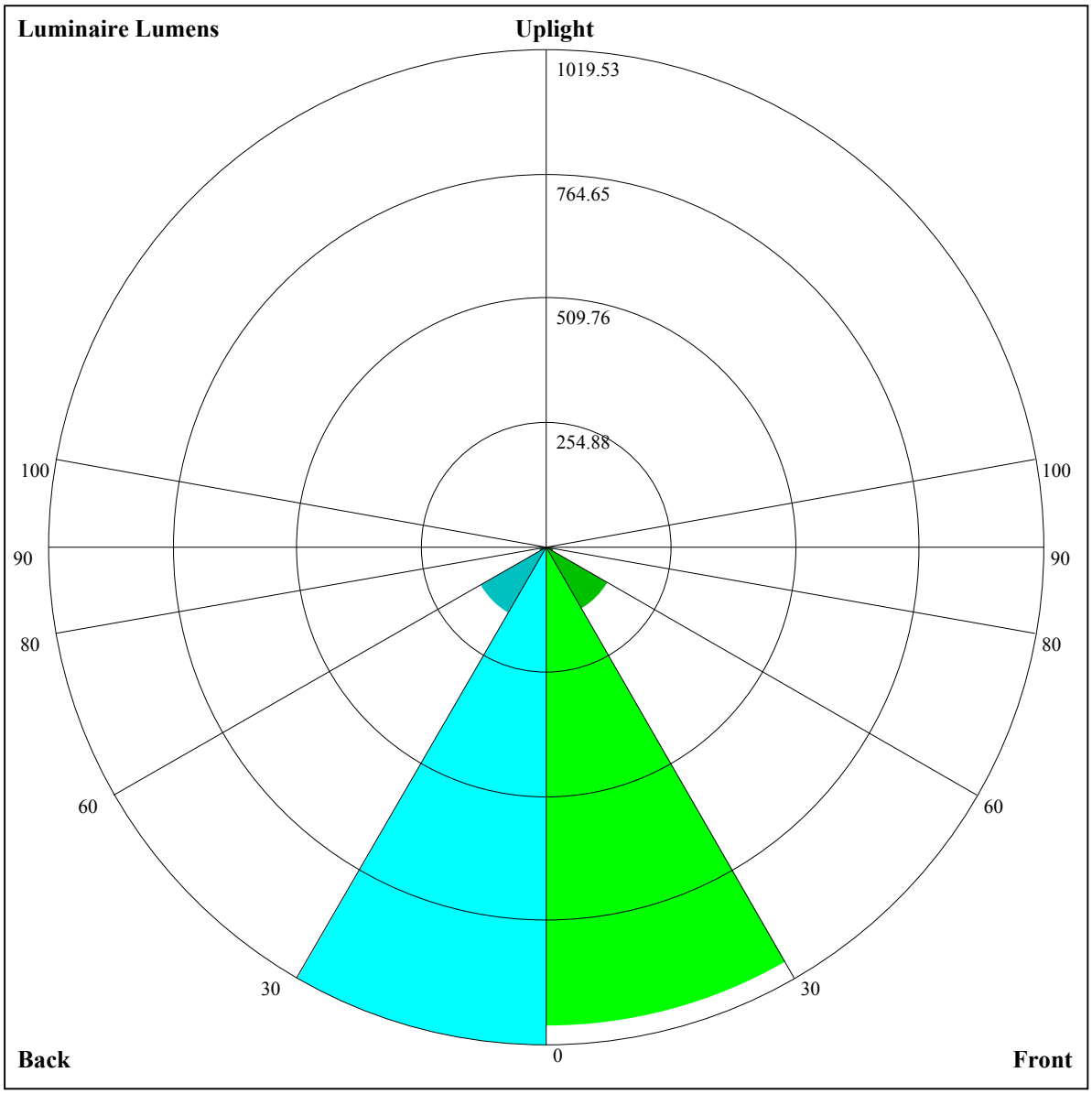
Utilization factor table for indoor luminaire

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	1.03	1.03	1.03	1.01	1.01	1.01	0.97	0.97	0.97	0.92	0.92	0.92	0.89	0.89	0.89	0.87
1	0.97	0.95	0.93	0.95	0.93	0.92	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.82
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.68
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.61	0.58	0.57
10	0.64	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=980.82,FM=145.7,FH=17.09,FVH=5.7
BL=1019.53,BM=157.63,BH=17.33,BVH=5.73
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	7640.76	7500.30	7294.30	7053.78	6765.84	6323.41	5927.80	5507.03	4956.91
45.0	7776.53	7713.32	7548.29	7331.17	7068.41	6711.42	6377.84	5995.10	5481.86
90.0	7643.10	7411.35	7186.04	6849.53	6521.81	6154.28	5647.48	5241.92	4842.80
135.0	7649.53	7505.57	7287.28	6950.19	6655.24	6317.56	5933.65	5454.36	5060.50
180.0	7640.76	7758.39	7795.26	7763.07	7689.92	7554.14	7362.19	7066.65	6775.21
225.0	7776.53	7802.86	7743.76	7670.60	7545.36	7342.29	7022.17	6713.17	6349.16
270.0	7643.10	7742.00	7779.45	7766.58	7708.64	7608.57	7431.25	7205.93	6864.75
315.0	7649.53	7719.76	7756.63	7747.27	7672.94	7497.38	7310.69	7072.50	6689.77
360.0	7640.76	7500.30	7294.30	7053.78	6765.84	6323.41	5927.80	5507.03	4956.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4525.02	4026.99	3657.13	3318.28	2989.97	2619.53	2367.88	2146.08	1962.90
45.0	5075.13	4660.21	4249.96	3767.15	3407.24	3076.00	2772.85	2442.79	2221.57
90.0	4444.26	3953.84	3577.54	3239.86	2930.28	2585.58	2350.32	2142.57	1916.67
135.0	4650.84	4142.28	3757.79	3315.36	2999.34	2713.16	2460.34	2191.14	2003.28
180.0	6422.90	6033.73	5532.19	5114.34	4568.32	4152.82	3770.66	3420.11	3008.70
225.0	5817.20	5380.62	4944.62	4431.38	4042.21	3674.69	3243.96	2922.09	2637.08
270.0	6500.15	6096.93	5662.11	5127.80	4712.88	4213.09	3839.13	3482.73	3059.61
315.0	6314.05	5890.93	5337.31	4908.93	4501.61	4032.84	3667.08	3328.82	3002.85
360.0	4525.02	4026.99	3657.13	3318.28	2989.97	2619.53	2367.88	2146.08	1962.90

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1766.85	1628.15	1502.33	1284.04	1155.70	1155.70	1039.71	948.36	858.17
45.0	2027.86	1826.55	1686.68	1525.74	1416.30	1312.72	1189.24	1091.50	995.53
90.0	1769.78	1639.27	1488.87	1381.19	1157.69	1157.69	1065.05	971.06	877.02
135.0	1848.78	1715.35	1559.68	1450.25	1350.76	1254.78	1135.98	1039.42	920.03
180.0	2715.50	2462.10	2229.18	1990.99	1835.32	1656.83	1530.42	1432.10	1299.26
225.0	2333.94	2125.01	1945.93	1789.68	1619.38	1501.16	1393.48	1151.66	1151.66
270.0	2756.47	2491.95	2201.67	2015.57	1851.13	1700.14	1541.54	1435.62	1326.76
315.0	2637.67	2384.27	2161.88	1972.27	1768.61	1625.81	1475.41	1371.24	1154.12
360.0	1766.85	1628.15	1502.33	1284.04	1155.70	1155.70	1039.71	948.36	858.17

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	743.94	651.88	561.64	455.95	383.44	325.27	278.04	229.58	196.87
45.0	901.31	808.25	692.38	601.08	514.47	433.13	349.44	297.94	297.94
90.0	759.27	662.53	569.95	483.98	387.48	326.09	277.57	227.13	192.48
135.0	824.64	731.00	613.96	523.83	441.90	371.68	303.79	303.79	248.84
180.0	1199.77	1110.82	1013.67	904.82	811.77	714.03	621.57	505.11	424.35
225.0	1080.62	987.57	870.46	777.06	681.44	564.92	477.25	400.65	328.31
270.0	1234.30	1113.16	1022.45	927.64	812.35	711.11	615.13	503.94	426.10
315.0	1154.12	1064.52	972.12	880.53	763.78	670.32	578.44	491.59	399.83
360.0	743.94	651.88	561.64	455.95	383.44	325.27	278.04	229.58	196.87

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	167.84	143.61	119.03	103.06	86.15	74.79	65.55	56.77	51.21
45.0	205.06	174.51	149.17	123.13	106.45	89.42	78.07	68.76	61.10
90.0	155.79	133.02	113.83	93.93	81.58	71.34	63.26	56.83	50.21
135.0	184.46	151.05	129.28	111.66	93.46	81.64	71.69	62.03	55.83
180.0	355.88	303.79	303.79	215.36	185.98	155.32	134.72	113.36	98.73
225.0	284.36	247.14	215.19	180.48	156.66	135.25	116.34	96.21	82.87
270.0	364.07	303.79	303.79	255.33	195.64	163.16	140.34	119.27	102.30
315.0	341.60	294.08	243.69	209.04	178.61	146.77	124.89	106.34	87.08
360.0	167.84	143.61	119.03	103.06	86.15	74.79	65.55	56.77	51.21

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	47.52	44.89	43.07	41.73	41.02	39.74	38.57	37.69	36.17
45.0	53.90	49.74	47.17	45.00	42.96	42.08	40.85	39.50	38.27
90.0	47.17	45.06	43.07	41.32	40.44	39.09	37.86	36.46	34.76
135.0	50.21	47.34	44.77	43.01	41.79	40.38	39.39	38.10	36.28
180.0	85.97	75.20	64.37	57.53	52.67	49.63	46.06	43.89	42.43
225.0	71.98	61.68	55.65	50.39	47.46	44.89	42.66	41.61	40.26
270.0	84.16	72.57	63.85	55.60	50.80	46.88	44.83	42.90	41.96
315.0	74.91	65.31	58.23	51.09	47.40	45.47	43.37	41.20	40.67
360.0	47.52	44.89	43.07	41.73	41.02	39.74	38.57	37.69	36.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.29	32.71	30.43	28.73	26.92	25.46	24.05	22.65	21.36
45.0	36.75	34.82	33.18	31.31	29.14	27.10	25.57	24.46	22.82
90.0	33.18	31.54	29.38	27.80	25.98	24.76	23.41	21.89	20.66
135.0	34.88	33.24	31.19	29.20	27.56	25.57	24.46	22.82	21.48
180.0	40.91	39.50	38.04	35.93	34.59	32.89	30.43	28.91	27.10
225.0	39.03	37.22	35.76	34.35	32.60	30.37	28.73	26.92	24.99
270.0	40.61	39.39	38.51	37.22	35.41	33.94	32.01	29.90	27.97
315.0	39.91	38.27	37.51	35.82	34.47	32.89	30.55	28.85	27.10
360.0	34.29	32.71	30.43	28.73	26.92	25.46	24.05	22.65	21.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.07	19.02	17.73	16.85	15.92	15.27	14.69	14.22	13.81
45.0	21.48	20.37	19.25	17.79	16.80	16.04	15.27	14.69	14.22
90.0	19.66	18.26	17.09	16.21	15.45	14.86	14.34	13.99	13.64
135.0	20.42	18.96	17.67	16.56	15.86	15.16	14.57	14.22	13.87
180.0	25.16	23.94	22.41	20.83	19.84	18.67	17.50	16.68	15.80
225.0	23.88	22.36	20.78	19.90	18.67	17.26	16.50	15.86	15.22
270.0	26.16	24.76	23.29	21.48	20.42	19.25	18.02	16.85	16.15
315.0	25.52	24.17	22.71	21.36	20.31	18.96	17.67	16.80	15.86
360.0	20.07	19.02	17.73	16.85	15.92	15.27	14.69	14.22	13.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.11	12.76	12.47	12.11	11.82	11.53	11.29	11.00
45.0	13.87	13.52	13.23	12.87	12.58	12.29	12.00	11.70	11.41
90.0	13.28	12.93	12.70	12.41	12.06	11.76	11.53	11.29	11.00
135.0	13.40	13.17	12.87	12.58	12.17	11.88	11.65	11.35	11.06
180.0	15.22	14.57	14.22	13.81	13.40	13.05	12.76	12.47	12.00
225.0	14.57	14.16	13.81	13.46	13.05	12.82	12.35	12.11	11.82
270.0	15.45	14.86	14.28	13.93	13.58	13.28	12.87	12.58	12.23
315.0	15.22	14.63	14.10	13.75	13.40	12.99	12.70	12.41	12.11
360.0	13.46	13.11	12.76	12.47	12.11	11.82	11.53	11.29	11.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.83	10.53	10.36	10.18	9.95	9.77	9.66	9.48	9.60
45.0	11.18	10.89	10.59	10.42	10.12	9.95	9.83	9.60	9.66
90.0	10.71	10.48	10.30	10.12	9.95	9.89	9.60	9.71	9.60
135.0	10.77	10.48	10.30	10.07	9.95	9.89	9.54	9.83	9.66
180.0	11.82	11.47	11.18	10.94	10.65	10.42	10.24	10.01	9.83
225.0	11.53	11.29	11.06	10.71	10.53	10.24	10.12	9.89	9.77
270.0	11.94	11.70	11.41	11.18	10.94	10.65	10.48	10.24	9.95
315.0	11.82	11.53	11.35	11.06	10.89	10.65	10.48	10.24	9.95
360.0	10.83	10.53	10.36	10.18	9.95	9.77	9.66	9.48	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.66
90.0	9.60
135.0	9.66
180.0	9.83
225.0	9.71
270.0	9.77
315.0	9.83
360.0	9.54