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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.412.00
Report No: 2024316-B017
Ballast type: AC

Test No: 2024316-C017	Voltage(V): 35.110
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.451
Lamp flux(lm): 2703.0	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): 2243.59, Efficiency(%): 83.00% , Luminous Efficacy(lm/W): 141.69
Central intensity(cd): 5018.070, Maximum intensity(cd): 5018.070
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=64.4
[C90/270]Total=64.4
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
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(%): 83.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.001%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5018.070	0.000	0	0.00%	0.00%
1.0	5010.316	4.798	4.798	0.18%	0.21%
2.0	4983.908	14.345	19.143	0.53%	0.85%
3.0	4943.161	23.742	42.885	0.88%	1.91%
4.0	4884.200	32.895	75.781	1.22%	3.38%
5.0	4814.339	41.723	117.503	1.54%	5.24%
6.0	4718.801	50.099	167.602	1.85%	7.47%
7.0	4610.681	57.908	225.51	2.14%	10.05%
8.0	4481.053	65.068	290.578	2.41%	12.95%
9.0	4333.284	71.435	362.014	2.64%	16.14%
10.0	4170.811	76.959	438.973	2.85%	19.57%
11.0	4011.118	81.754	520.727	3.02%	23.21%
12.0	3815.726	85.559	606.285	3.17%	27.02%
13.0	3634.452	88.415	694.7	3.27%	30.96%
14.0	3436.500	90.508	785.208	3.35%	35.00%
15.0	3244.034	91.713	876.921	3.39%	39.09%
16.0	3024.062	91.845	968.766	3.40%	43.18%
17.0	2832.182	91.197	1059.964	3.37%	47.24%
18.0	2612.137	89.765	1149.729	3.32%	51.25%
19.0	2410.015	87.375	1237.104	3.23%	55.14%
20.0	2196.335	84.309	1321.413	3.12%	58.90%
21.0	1992.018	80.425	1401.838	2.98%	62.48%
22.0	1802.478	76.252	1478.09	2.82%	65.88%
23.0	1607.013	71.540	1549.63	2.65%	69.07%
24.0	1442.009	66.663	1616.293	2.47%	72.04%
25.0	1290.260	62.126	1678.419	2.30%	74.81%
26.0	1166.756	57.998	1736.417	2.15%	77.39%
27.0	1053.639	54.322	1790.739	2.01%	79.82%
28.0	935.043	50.349	1841.088	1.86%	82.06%
29.0	820.215	45.923	1887.011	1.70%	84.11%
30.0	710.390	41.326	1928.337	1.53%	85.95%
31.0	611.004	36.772	1965.109	1.36%	87.59%
32.0	518.809	32.368	1997.477	1.20%	89.03%
33.0	437.331	28.168	2025.646	1.04%	90.29%
34.0	370.221	24.439	2050.084	0.90%	91.38%
35.0	301.369	20.857	2070.942	0.77%	92.30%
36.0	241.603	17.288	2088.23	0.64%	93.08%
37.0	207.279	14.640	2102.87	0.54%	93.73%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	139.979	11.591	2114.461	0.43%	94.24%
39.0	105.019	8.362	2122.823	0.31%	94.62%
40.0	87.579	6.717	2129.54	0.25%	94.92%
41.0	77.733	5.887	2135.427	0.22%	95.18%
42.0	70.593	5.389	2140.816	0.20%	95.42%
43.0	64.741	5.013	2145.829	0.19%	95.64%
44.0	59.532	4.690	2150.52	0.17%	95.85%
45.0	54.865	4.396	2154.916	0.16%	96.05%
46.0	50.768	4.131	2159.047	0.15%	96.23%
47.0	47.184	3.896	2162.943	0.14%	96.41%
48.0	43.811	3.679	2166.621	0.14%	96.57%
49.0	40.629	3.468	2170.089	0.13%	96.72%
50.0	37.879	3.273	2173.362	0.12%	96.87%
51.0	35.406	3.101	2176.463	0.11%	97.01%
52.0	33.138	2.941	2179.404	0.11%	97.14%
53.0	31.134	2.796	2182.2	0.10%	97.26%
54.0	29.291	2.663	2184.863	0.10%	97.38%
55.0	27.718	2.545	2187.408	0.09%	97.50%
56.0	26.189	2.436	2189.844	0.09%	97.60%
57.0	25.011	2.341	2192.185	0.09%	97.71%
58.0	23.782	2.256	2194.441	0.08%	97.81%
59.0	22.831	2.179	2196.62	0.08%	97.91%
60.0	21.917	2.114	2198.734	0.08%	98.00%
61.0	21.127	2.054	2200.788	0.08%	98.09%
62.0	20.388	2.000	2202.789	0.07%	98.18%
63.0	19.715	1.950	2204.739	0.07%	98.27%
64.0	19.108	1.905	2206.644	0.07%	98.35%
65.0	18.544	1.863	2208.508	0.07%	98.44%
66.0	18.054	1.826	2210.334	0.07%	98.52%
67.0	17.637	1.795	2212.128	0.07%	98.60%
68.0	17.250	1.767	2213.896	0.07%	98.68%
69.0	17.001	1.747	2215.643	0.06%	98.75%
70.0	16.664	1.729	2217.372	0.06%	98.83%
71.0	16.138	1.695	2219.067	0.06%	98.91%
72.0	15.435	1.642	2220.709	0.06%	98.98%
73.0	14.938	1.588	2222.297	0.06%	99.05%
74.0	14.550	1.550	2223.847	0.06%	99.12%
75.0	14.111	1.514	2225.362	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.606	1.471	2226.833	0.05%	99.25%
77.0	13.168	1.427	2228.261	0.05%	99.32%
78.0	12.751	1.387	2229.648	0.05%	99.38%
79.0	12.334	1.348	2230.996	0.05%	99.44%
80.0	11.939	1.309	2232.304	0.05%	99.50%
81.0	11.485	1.267	2233.571	0.05%	99.55%
82.0	11.105	1.225	2234.796	0.05%	99.61%
83.0	10.775	1.189	2235.986	0.04%	99.66%
84.0	10.454	1.157	2237.142	0.04%	99.71%
85.0	10.146	1.124	2238.266	0.04%	99.76%
86.0	9.876	1.094	2239.361	0.04%	99.81%
87.0	9.773	1.075	2240.436	0.04%	99.86%
88.0	9.642	1.064	2241.5	0.04%	99.91%
89.0	9.517	1.050	2242.55	0.04%	99.95%
90.0	9.473	1.041	2243.591	0.04%	100.00%

Zonal flux distribution table

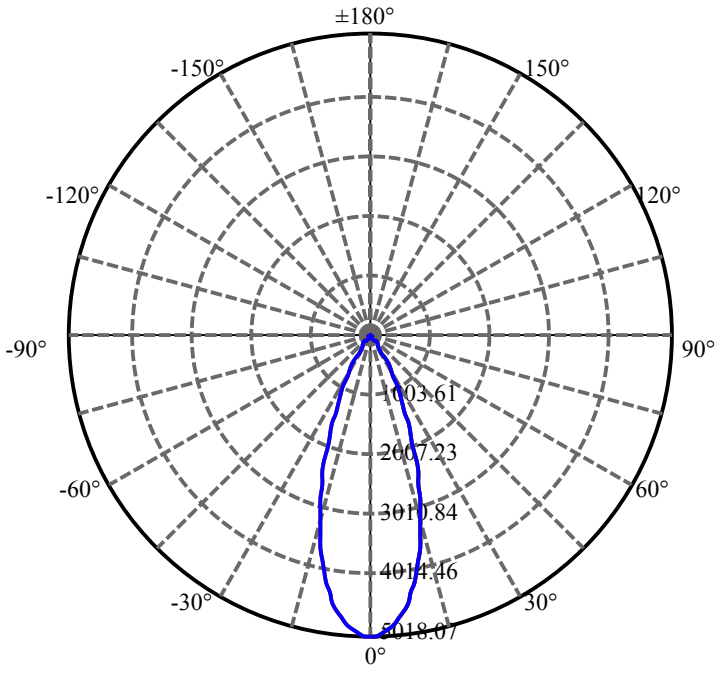
ZONAL LUMEN SUMMARY

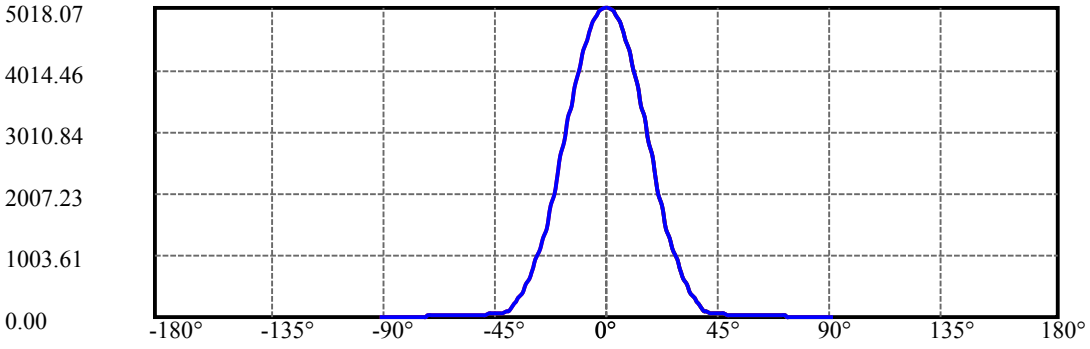
Zone	Lumens	%Lamp	%Fixt
0-30	1928.34	71.34%	85.95%
0-40	2129.54	78.78%	94.92%
0-60	2198.73	81.34%	98.00%
0-90	2242.55	82.97%	99.95%
0-120	2242.55	82.97%	99.95%
0-180	2243.59	83.00%	100.00%
60-90	43.82	1.62%	1.95%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.08	1794.87	66.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	438.97
10-20	882.44
20-30	606.92
30-40	201.20
40-50	43.82
50-60	25.37
60-70	18.64
70-80	14.93
80-90	10.25
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):

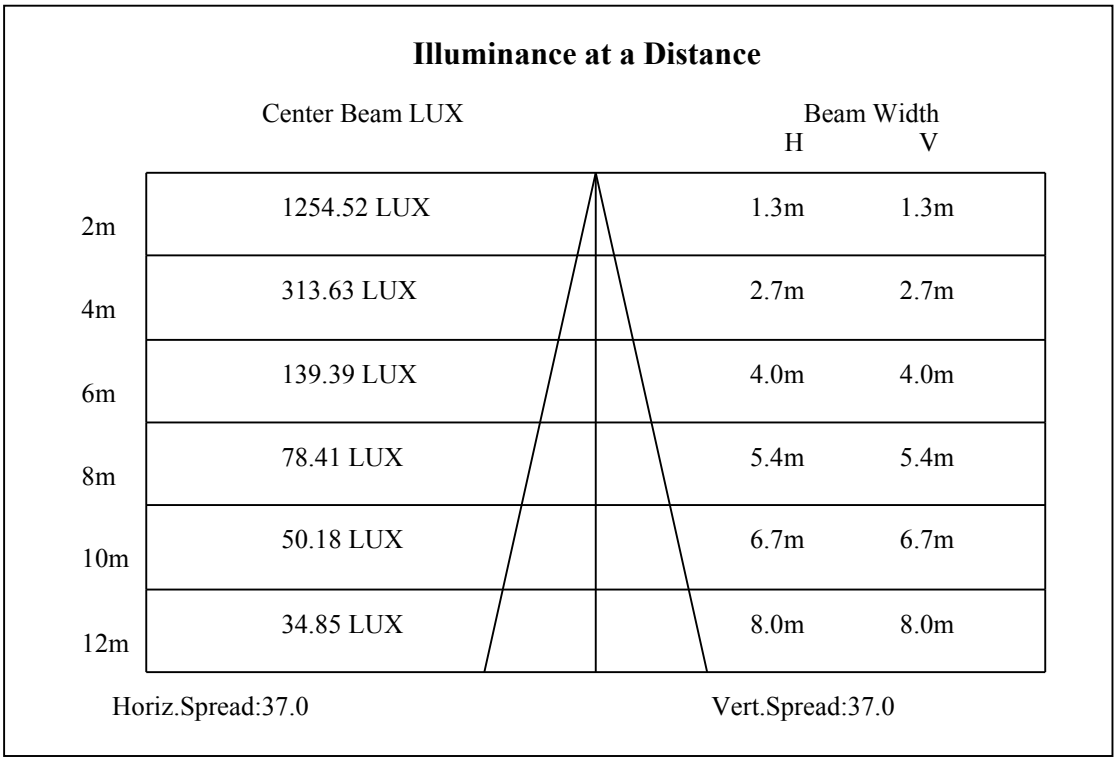
C0/C180:

C90/C270:

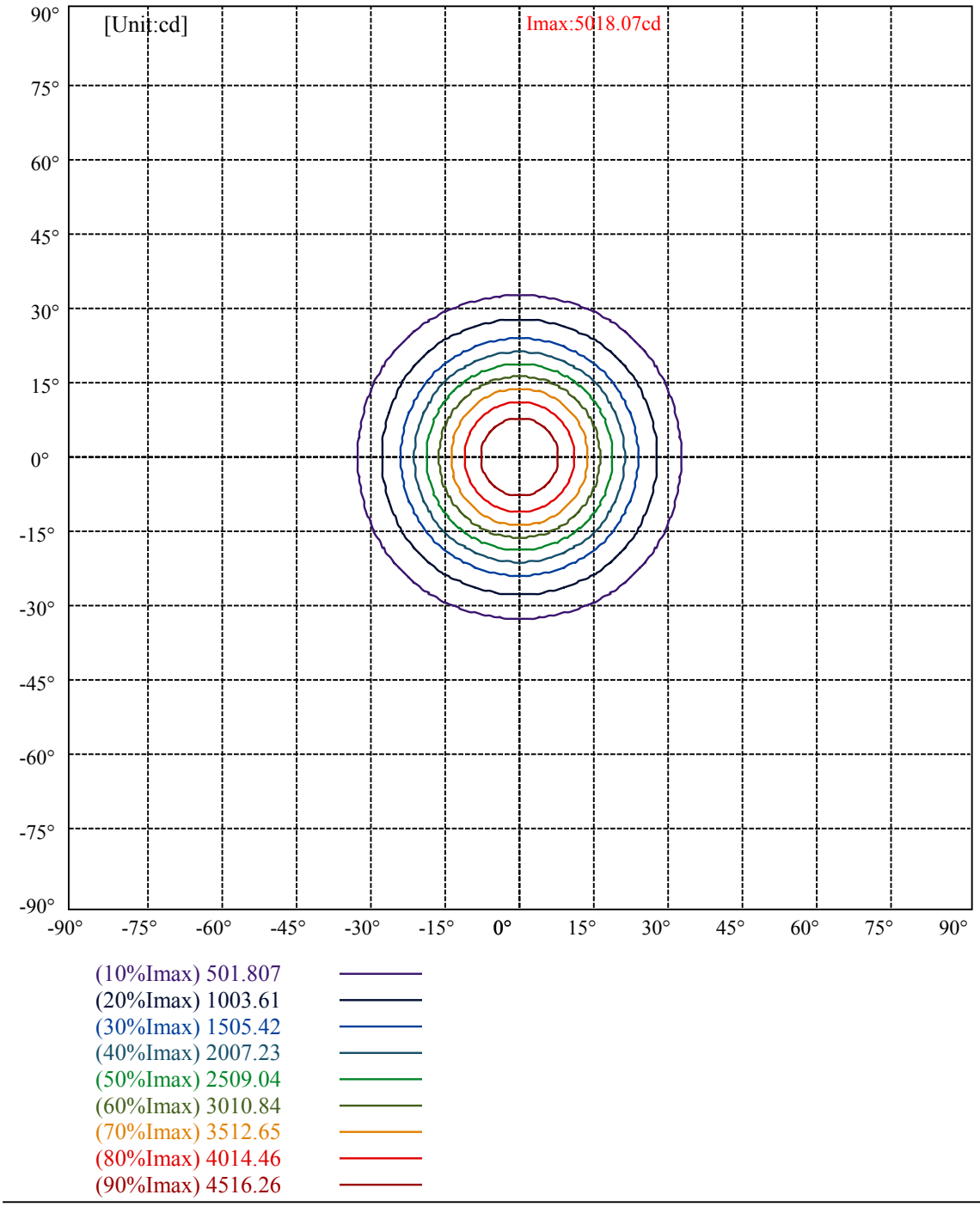
Field angle(10%Imax):C0/180Left:32.2 Right:32.2
:C90/270Left:32.2 Right:32.2

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

Lux distance Curve



ISO-Intensity(V-H)

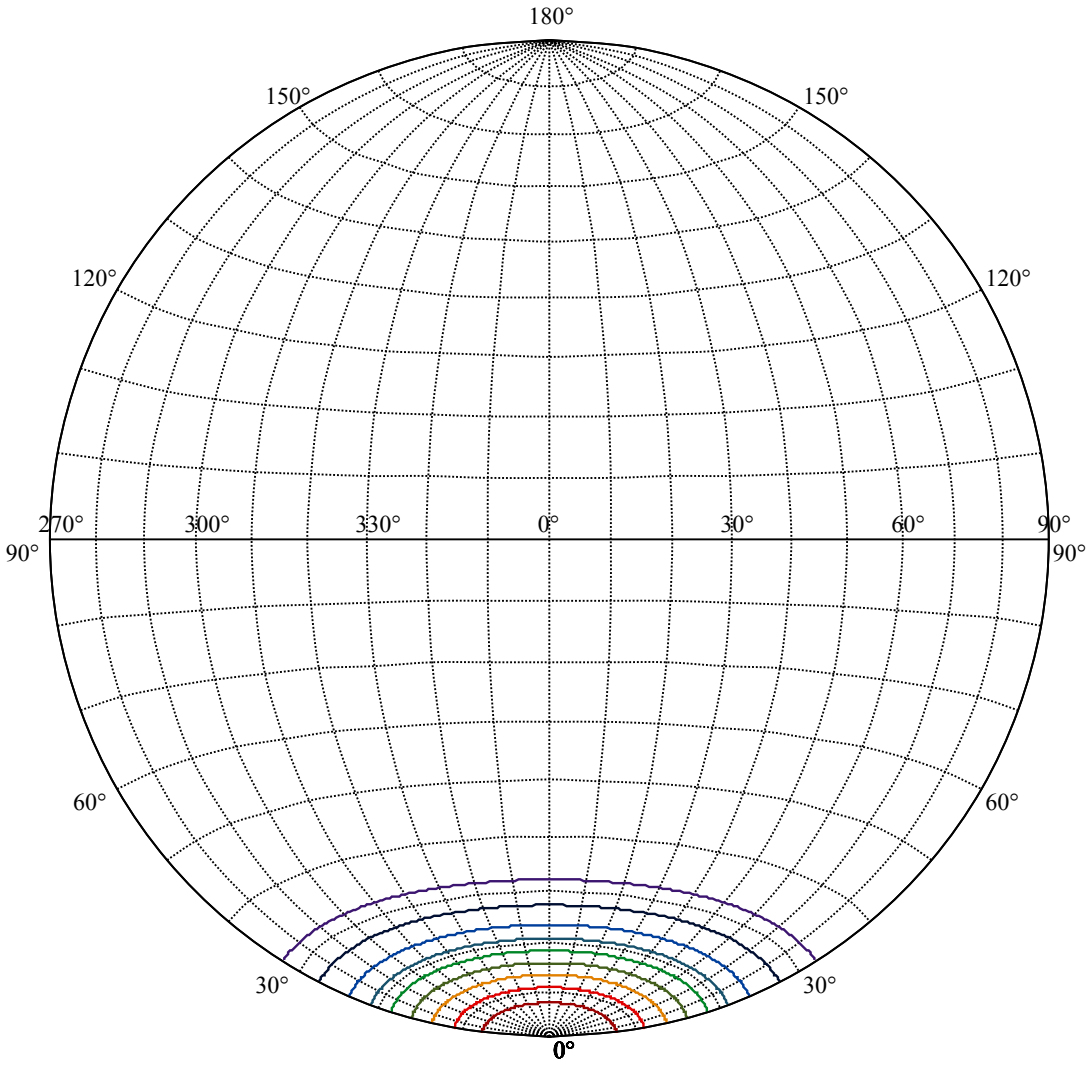


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:5018.07

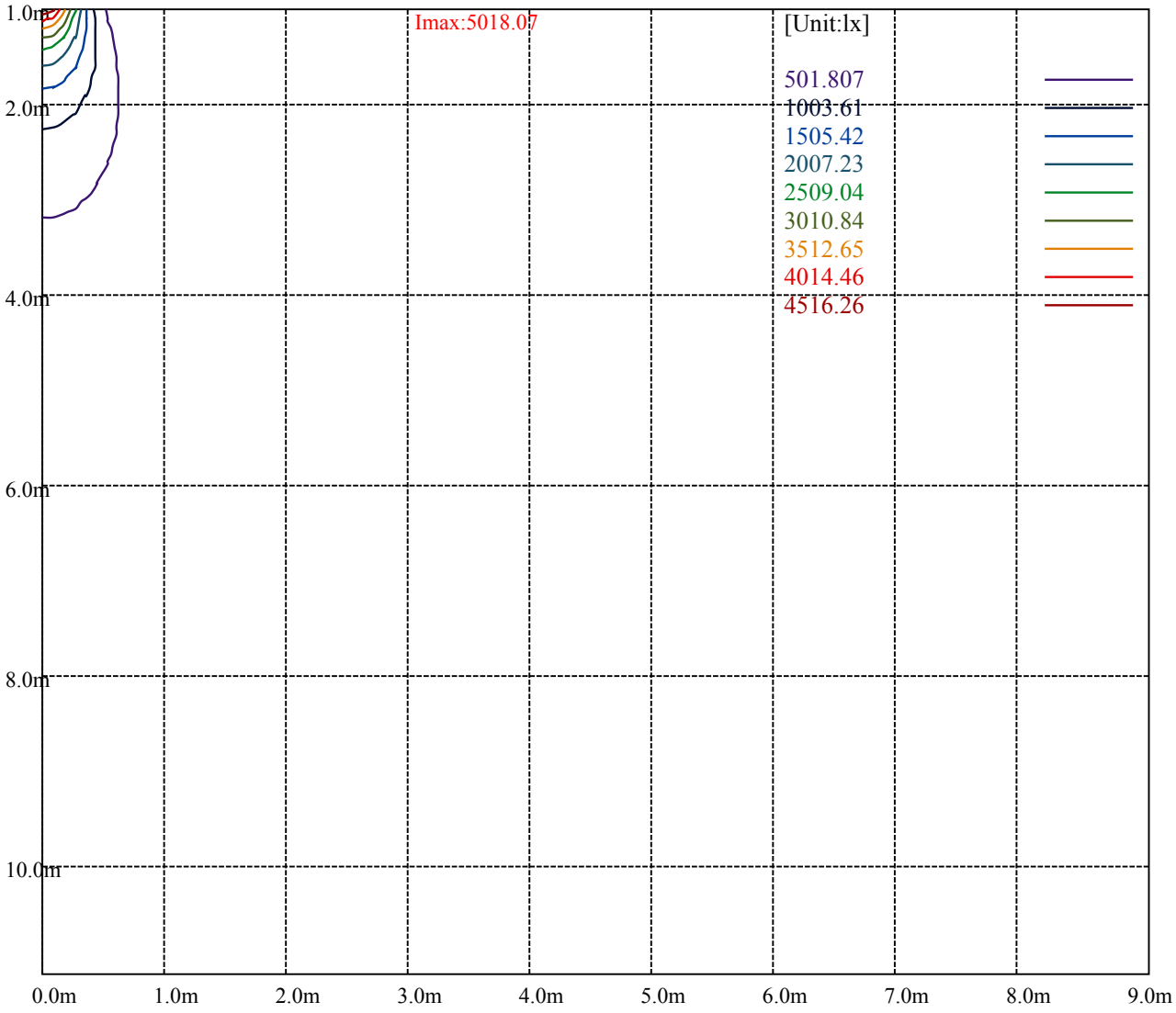
(10%Imax) 501.807
(20%Imax) 1003.61
(30%Imax) 1505.42
(40%Imax) 2007.23
(50%Imax) 2509.04
(60%Imax) 3010.84
(70%Imax) 3512.65
(80%Imax) 4014.46
(90%Imax) 4516.26

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2024/3/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT 2-2680-L

Luminance Limitting Curve(no luminous side)

Luminance Table

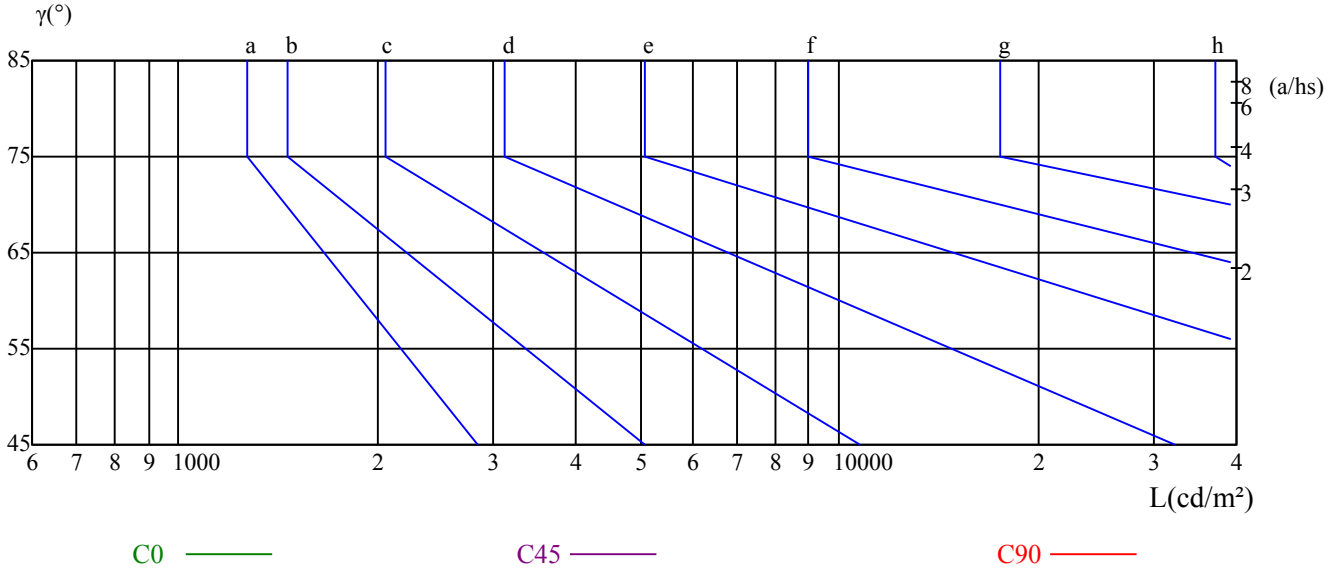
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

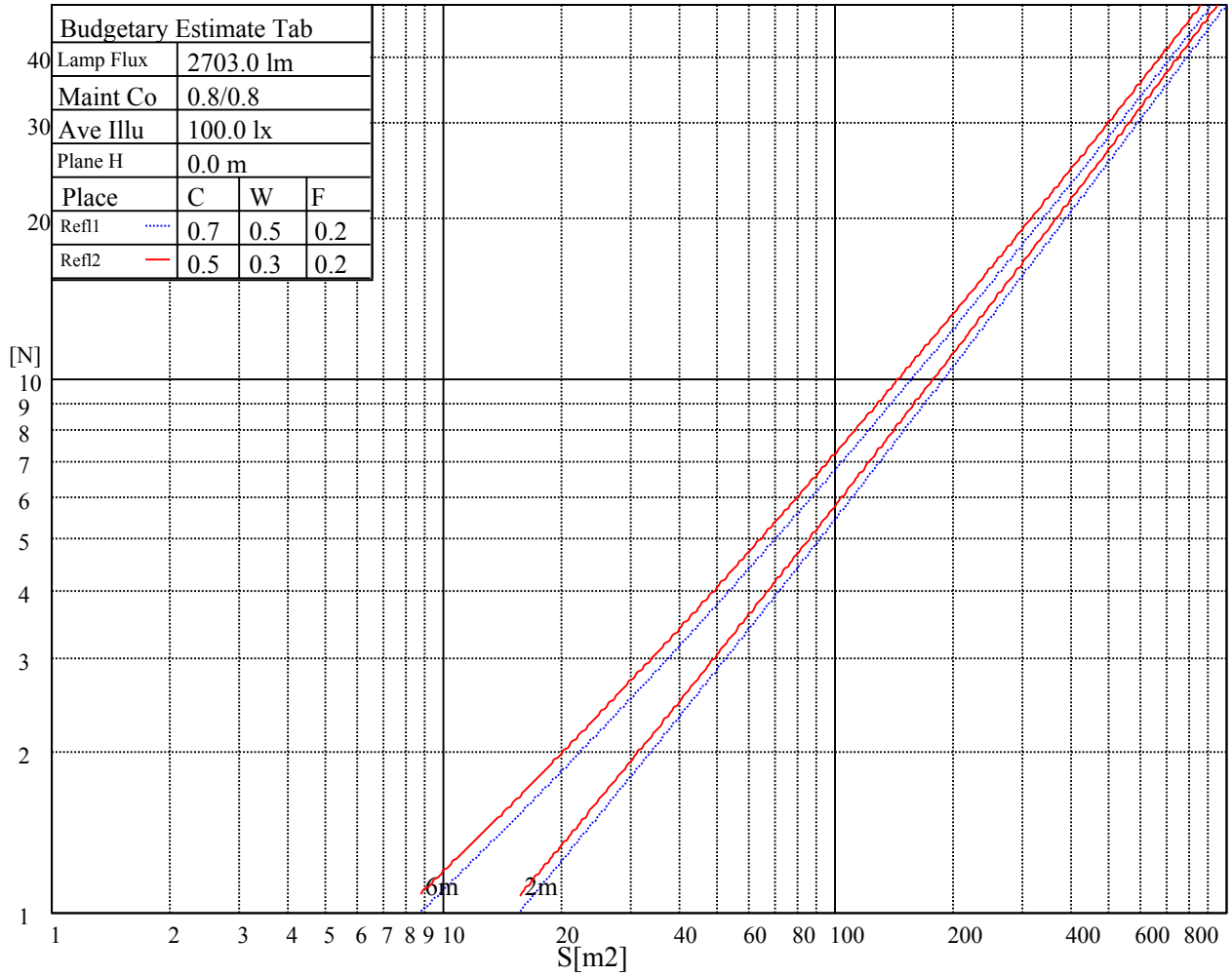
Luminance Limitting Curve



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

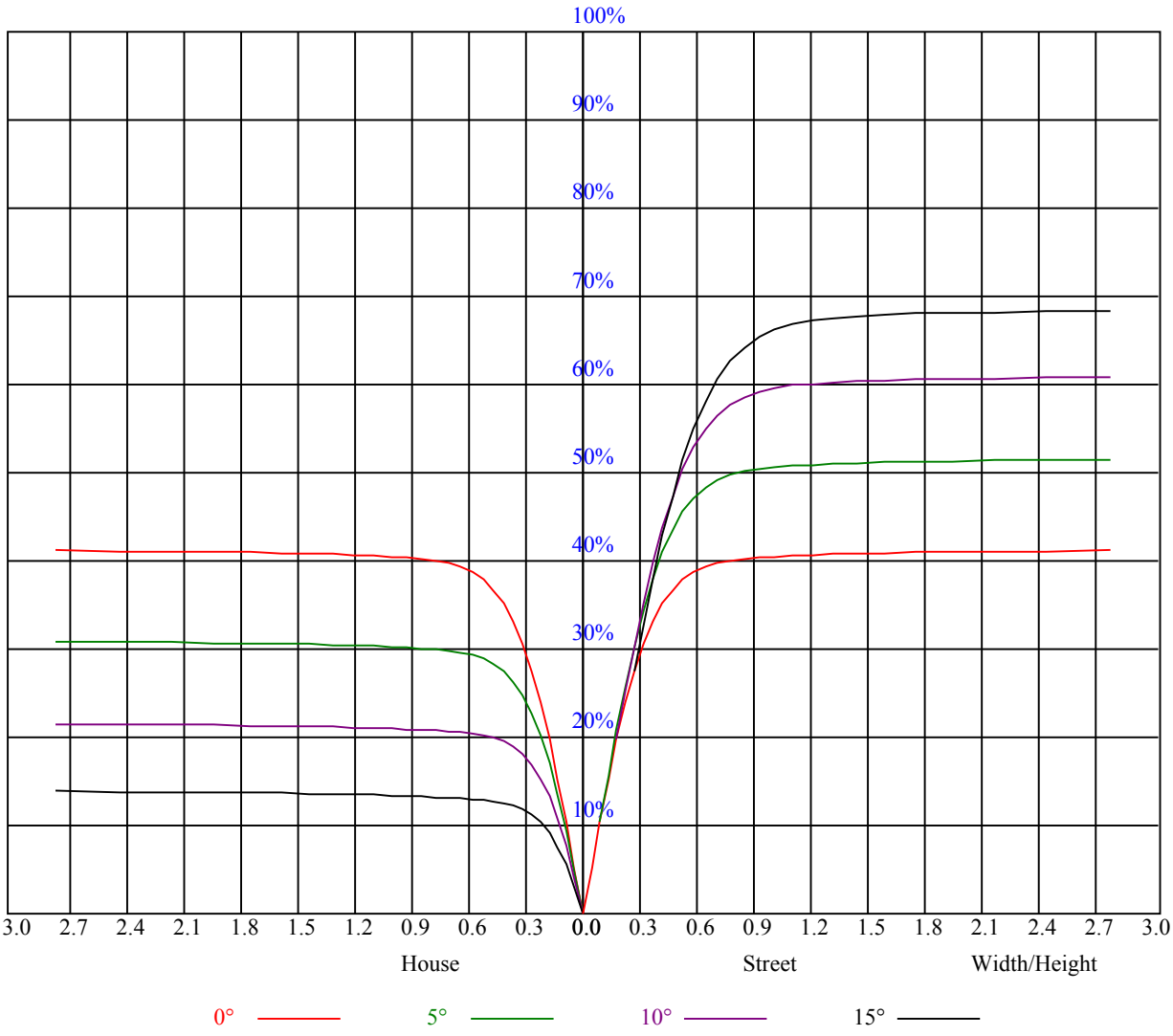


Equipment: GMS1980 Date: 2024/3/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

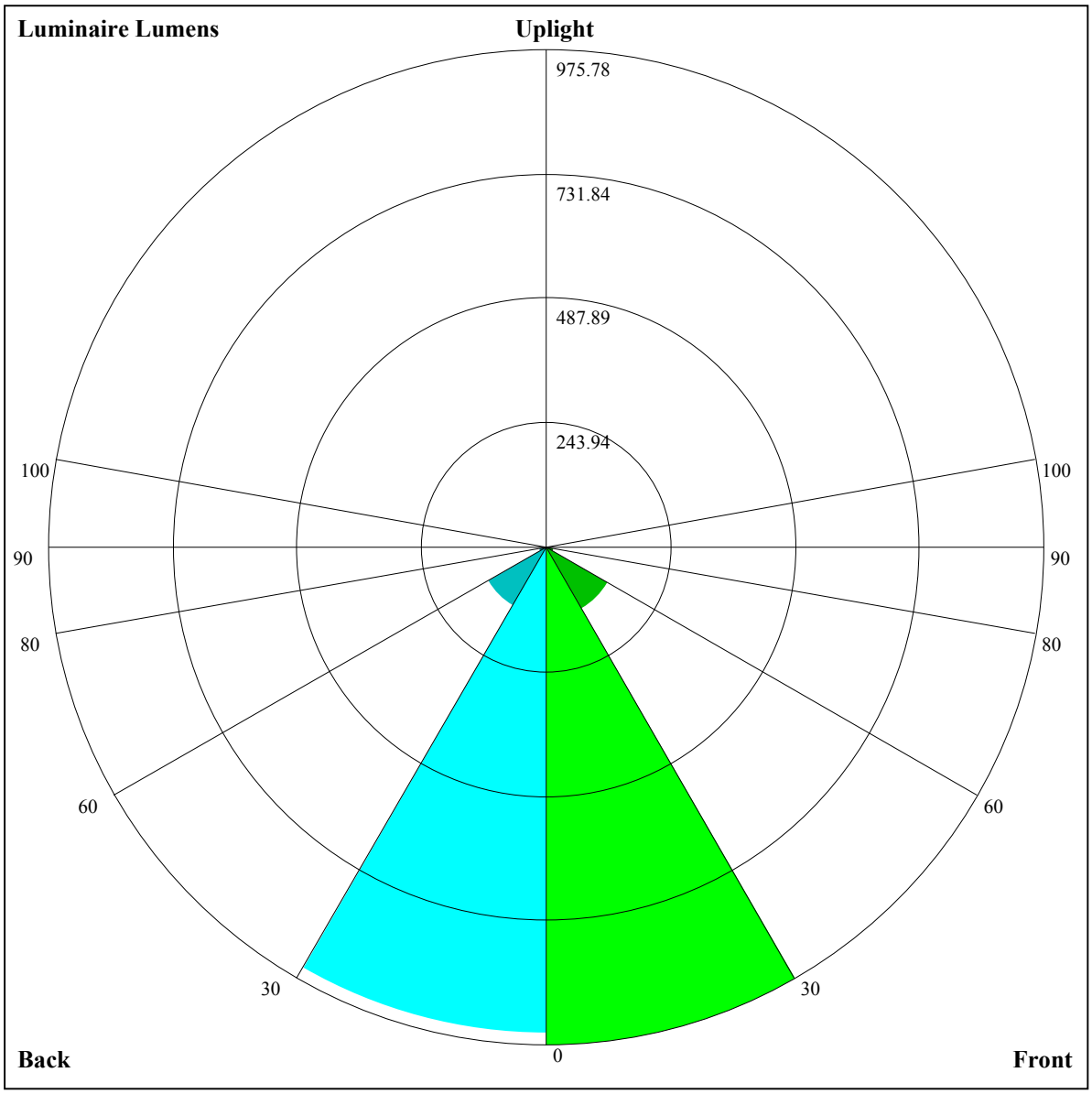
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.89	0.91	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.60
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=975.78,FM=139.69,FH=16.27,FVH=5.65
BL=951.76,BM=134.19,BH=17.2,BVH=5.67
UL=0,UH=0

BUG Rating:B2-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	5030.07	5011.34	4976.81	4919.46	4858.01	4784.86	4695.90	4558.96	4428.46
45.0	5027.14	5021.87	5003.73	4963.94	4914.19	4851.57	4756.18	4655.52	4543.75
90.0	5003.73	4972.72	4912.44	4852.16	4774.32	4681.86	4540.23	4415.00	4273.96
135.0	5011.34	4987.35	4948.72	4890.20	4801.24	4711.12	4608.71	4492.25	4328.97
180.0	5030.07	5033.58	5014.85	4983.83	4937.60	4874.40	4783.10	4684.20	4546.67
225.0	5027.14	5012.51	4979.15	4934.09	4871.47	4795.98	4679.52	4570.08	4443.67
270.0	5003.73	5018.36	5020.12	5005.49	4965.11	4915.95	4854.50	4781.35	4660.21
315.0	5011.34	5024.80	5015.44	4996.12	4951.65	4898.98	4832.26	4728.09	4622.75
360.0	5030.07	5011.34	4976.81	4919.46	4858.01	4784.86	4695.90	4558.96	4428.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4246.45	4087.86	3920.48	3699.85	3520.19	3333.50	3142.13	2899.26	2703.80
45.0	4380.47	4232.99	4077.91	3871.32	3695.75	3516.09	3328.23	3091.22	2896.92
90.0	4121.80	3918.14	3743.16	3566.42	3385.59	3153.25	2959.54	2715.50	2520.04
135.0	4181.49	4025.82	3861.37	3643.67	3416.02	3229.92	3035.04	2789.83	2591.43
180.0	4417.34	4241.18	4084.34	3919.90	3750.18	3524.28	3340.52	3152.08	2964.81
225.0	4265.76	4109.51	3947.40	3733.79	3558.81	3377.39	3145.64	2957.20	2766.42
270.0	4547.84	4420.26	4274.54	4073.81	3902.34	3727.36	3551.20	3323.55	3140.38
315.0	4505.12	4330.72	4179.74	4017.04	3846.74	3630.21	3449.96	3263.86	3073.66
360.0	4246.45	4087.86	3920.48	3699.85	3520.19	3333.50	3142.13	2899.26	2703.80

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2507.75	2313.45	2073.51	1885.07	1708.33	1518.72	1300.43	1140.72	1110.52
45.0	2703.21	2509.50	2264.88	2072.93	1887.99	1674.97	1525.15	1361.29	1238.39
90.0	2273.66	2079.36	1890.34	1715.35	1529.25	1310.38	1153.19	1153.19	1000.73
135.0	2391.87	2196.99	1956.47	1777.39	1618.79	1475.41	1315.64	1186.89	1056.97
180.0	2720.18	2523.55	2322.82	2116.82	1872.78	1694.28	1543.30	1384.12	1267.07
225.0	2568.03	2315.79	2120.91	1929.55	1748.13	1543.88	1406.35	1139.20	1139.20
270.0	2901.60	2709.07	2507.16	2249.08	2057.71	1868.10	1690.77	1498.23	1370.66
315.0	2830.79	2632.40	2434.59	2189.97	1996.85	1770.36	1601.23	1458.44	1150.49
360.0	2507.75	2313.45	2073.51	1885.07	1708.33	1518.72	1300.43	1140.72	1110.52

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	990.08	878.60	748.91	655.80	571.94	492.58	399.30	331.12	267.39
45.0	1116.08	969.78	857.41	756.17	660.78	554.27	474.09	400.94	330.71
90.0	885.09	780.40	682.61	568.84	486.67	392.98	321.76	259.20	190.78
135.0	903.06	791.87	690.62	578.85	501.01	427.86	342.42	310.23	310.23
180.0	1113.74	988.50	878.48	771.97	640.88	553.10	472.34	398.01	311.98
225.0	1019.87	880.41	774.08	673.30	559.36	481.17	403.40	334.16	255.63
270.0	1250.68	1129.54	987.92	879.07	769.63	644.39	561.87	479.94	381.63
315.0	1150.49	1061.25	941.69	799.12	697.76	604.13	523.48	448.17	362.61
360.0	990.08	878.60	748.91	655.80	571.94	492.58	399.30	331.12	267.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	209.98	147.30	110.31	87.20	79.47	72.39	64.73	59.58	54.95
45.0	297.35	297.35	142.68	110.67	90.77	83.22	74.44	68.59	63.44
90.0	145.78	115.93	99.84	90.01	82.58	76.25	70.64	64.26	59.69
135.0	167.78	124.59	106.16	96.62	88.60	79.94	73.97	68.59	62.50
180.0	296.18	296.18	148.06	108.91	92.70	85.33	76.90	71.28	65.08
225.0	200.44	152.16	115.35	87.20	77.37	70.87	63.79	59.17	54.02
270.0	316.67	301.45	228.00	134.54	100.60	77.78	70.75	64.43	59.22
315.0	298.64	223.26	169.42	125.00	88.54	76.08	69.52	62.03	57.35
360.0	209.98	147.30	110.31	87.20	79.47	72.39	64.73	59.58	54.95

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	49.69	46.06	42.78	39.85	37.10	34.12	32.01	30.14	28.09
45.0	57.70	53.55	49.80	46.35	42.31	39.50	36.93	34.76	32.19
90.0	55.54	50.80	47.46	44.36	40.73	38.27	36.05	33.53	31.66
135.0	58.11	53.08	49.39	46.00	42.84	39.39	36.93	34.76	32.71
180.0	60.57	56.47	52.67	48.28	45.18	42.31	39.68	36.75	34.59
225.0	50.33	46.88	43.83	40.38	37.86	35.58	33.47	31.13	29.50
270.0	53.90	50.04	46.53	43.31	39.80	37.16	34.29	32.25	30.37
315.0	53.08	49.28	45.00	41.96	39.21	36.69	33.88	31.78	29.96
360.0	49.69	46.06	42.78	39.85	37.10	34.12	32.01	30.14	28.09

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.57	25.28	23.82	22.71	21.59	20.83	20.07	19.49	18.73
45.0	30.37	28.79	26.92	25.63	24.23	23.23	22.30	21.48	20.60
90.0	30.02	28.44	26.80	25.63	24.58	23.58	22.47	21.71	20.95
135.0	30.49	28.85	27.39	26.16	24.64	23.58	22.47	21.59	20.89
180.0	32.66	30.49	29.03	27.62	26.22	25.11	24.17	23.17	22.36
225.0	28.03	26.69	25.22	24.23	23.12	22.24	21.54	20.72	20.13
270.0	28.27	26.74	25.46	24.35	23.12	22.18	21.42	20.72	19.90
315.0	27.92	26.45	24.87	23.76	22.77	21.89	20.89	20.13	19.55
360.0	26.57	25.28	23.82	22.71	21.59	20.83	20.07	19.49	18.73

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.26	17.79	17.32	16.80	16.33	15.98	15.57	15.04	14.69
45.0	19.90	19.37	18.84	18.14	17.67	17.21	16.68	16.21	15.68
90.0	20.13	19.49	18.73	18.14	17.56	16.85	16.33	15.74	15.22
135.0	20.01	19.31	18.67	17.91	17.32	16.74	16.15	15.51	14.98
180.0	21.65	20.78	20.13	19.55	18.96	18.20	17.62	17.09	16.50
225.0	19.55	19.08	18.73	18.79	19.14	19.84	21.36	22.30	21.48
270.0	19.31	18.79	18.14	17.73	17.26	16.80	16.39	15.98	15.51
315.0	18.90	18.26	17.79	17.38	16.85	16.39	15.92	15.45	15.04
360.0	18.26	17.79	17.32	16.80	16.33	15.98	15.57	15.04	14.69

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.22	13.87	13.58	13.17	12.82	12.52	12.23	11.82	11.53
45.0	15.16	14.75	14.34	13.87	13.46	13.11	12.64	12.35	12.00
90.0	14.63	14.22	13.75	13.34	12.87	12.52	12.23	11.82	11.35
135.0	14.46	13.99	13.46	13.11	12.70	12.29	12.00	11.53	11.12
180.0	15.92	15.45	14.98	14.57	14.22	13.75	13.34	12.99	12.70
225.0	19.37	18.32	18.14	17.44	16.04	15.10	14.16	13.40	12.58
270.0	15.10	14.75	14.34	13.93	13.64	13.34	12.99	12.64	12.41
315.0	14.63	14.16	13.81	13.46	13.11	12.70	12.41	12.11	11.82
360.0	14.22	13.87	13.58	13.17	12.82	12.52	12.23	11.82	11.53

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.24	10.94	10.59	10.36	10.12	9.77	9.66	9.48	9.31
45.0	11.53	11.12	10.77	10.42	10.18	9.95	9.66	9.54	9.54
90.0	11.06	10.71	10.48	10.07	9.71	9.54	9.95	9.77	9.66
135.0	10.83	10.48	10.24	10.07	9.66	9.54	9.95	9.83	9.77
180.0	12.11	11.59	11.24	10.77	10.42	10.07	9.60	9.60	9.66
225.0	11.65	11.12	10.77	10.42	10.18	9.83	9.60	9.60	9.19
270.0	12.00	11.70	11.29	10.94	10.53	10.24	9.89	9.66	9.54
315.0	11.47	11.18	10.83	10.59	10.36	10.07	9.89	9.66	9.48
360.0	11.24	10.94	10.59	10.36	10.12	9.77	9.66	9.48	9.31

Intensity data(cd)

C/γ(°)	90.0
0.0	9.25
45.0	9.25
90.0	9.66
135.0	9.77
180.0	9.83
225.0	9.25
270.0	9.36
315.0	9.42
360.0	9.25