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NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.411.00
Report No: 2024408-B003
Ballast type: AC

Test No: 2024408-C003	Voltage(V): 34.810
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 13.958
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2026.87, Efficiency(%): 85.23% , Luminous Efficacy(lm/W): 145.21
Central intensity(cd): 5005.488, Maximum intensity(cd): 5005.488
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=32.4
[C90/270]Total=32.4
Field angle(10%Imax): [C0/180]Total=63.2
[C90/270]Total=63.2
Maximum s/h(1/2): C0_180=0.54 C90_270=0.54
Maximum s/h(1/4): C0_180=0.57 C90_270=0.57
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.011%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5005.488	0.000	0	0.00%	0.00%
1.0	4997.514	4.786	4.786	0.20%	0.24%
2.0	4968.326	14.304	19.09	0.60%	0.94%
3.0	4907.243	23.619	42.709	0.99%	2.11%
4.0	4822.459	32.568	75.278	1.37%	3.71%
5.0	4719.971	41.051	116.329	1.73%	5.74%
6.0	4591.075	48.932	165.261	2.06%	8.15%
7.0	4444.550	56.084	221.345	2.36%	10.92%
8.0	4287.051	62.490	283.835	2.63%	14.00%
9.0	4100.145	67.974	351.809	2.86%	17.36%
10.0	3900.071	72.399	424.208	3.04%	20.93%
11.0	3686.464	75.805	500.013	3.19%	24.67%
12.0	3471.979	78.252	578.265	3.29%	28.53%
13.0	3249.520	79.767	658.032	3.35%	32.47%
14.0	3013.967	80.172	738.204	3.37%	36.42%
15.0	2787.046	79.639	817.843	3.35%	40.35%
16.0	2551.640	78.227	896.07	3.29%	44.21%
17.0	2351.712	76.358	972.428	3.21%	47.98%
18.0	2159.246	74.376	1046.804	3.13%	51.65%
19.0	1980.753	72.028	1118.832	3.03%	55.20%
20.0	1820.620	69.576	1188.407	2.93%	58.63%
21.0	1685.872	67.332	1255.739	2.83%	61.95%
22.0	1550.393	65.034	1320.773	2.73%	65.16%
23.0	1385.784	61.609	1382.382	2.59%	68.20%
24.0	1263.201	57.916	1440.298	2.44%	71.06%
25.0	1179.309	55.537	1495.836	2.34%	73.80%
26.0	1077.216	53.266	1549.101	2.24%	76.43%
27.0	969.286	50.068	1599.169	2.11%	78.90%
28.0	865.753	46.459	1645.629	1.95%	81.19%
29.0	760.427	42.545	1688.174	1.79%	83.29%
30.0	655.057	38.218	1726.392	1.61%	85.18%
31.0	550.967	33.562	1759.954	1.41%	86.83%
32.0	466.395	29.146	1789.1	1.23%	88.27%
33.0	384.471	25.067	1814.167	1.05%	89.51%
34.0	322.664	21.400	1835.567	0.90%	90.56%
35.0	280.718	18.739	1854.306	0.79%	91.49%
36.0	253.402	17.006	1871.312	0.72%	92.33%
37.0	207.704	15.039	1886.351	0.63%	93.07%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	159.298	12.250	1898.601	0.52%	93.67%
39.0	132.722	9.967	1908.568	0.42%	94.16%
40.0	111.171	8.506	1917.075	0.36%	94.58%
41.0	93.958	7.305	1924.379	0.31%	94.94%
42.0	79.942	6.318	1930.697	0.27%	95.26%
43.0	68.742	5.508	1936.205	0.23%	95.53%
44.0	59.583	4.843	1941.048	0.20%	95.77%
45.0	52.934	4.324	1945.372	0.18%	95.98%
46.0	47.806	3.940	1949.312	0.17%	96.17%
47.0	43.702	3.639	1952.952	0.15%	96.35%
48.0	40.234	3.393	1956.345	0.14%	96.52%
49.0	37.469	3.191	1959.536	0.13%	96.68%
50.0	34.953	3.020	1962.555	0.13%	96.83%
51.0	32.875	2.870	1965.425	0.12%	96.97%
52.0	31.054	2.743	1968.168	0.12%	97.10%
53.0	29.342	2.627	1970.795	0.11%	97.23%
54.0	27.930	2.524	1973.319	0.11%	97.36%
55.0	26.438	2.427	1975.746	0.10%	97.48%
56.0	25.062	2.327	1978.073	0.10%	97.59%
57.0	23.855	2.237	1980.31	0.09%	97.70%
58.0	22.802	2.158	1982.468	0.09%	97.81%
59.0	21.726	2.082	1984.549	0.09%	97.91%
60.0	20.754	2.007	1986.556	0.08%	98.01%
61.0	19.861	1.938	1988.494	0.08%	98.11%
62.0	19.064	1.876	1990.37	0.08%	98.20%
63.0	18.303	1.817	1992.187	0.08%	98.29%
64.0	17.557	1.760	1993.947	0.07%	98.38%
65.0	16.928	1.707	1995.654	0.07%	98.46%
66.0	16.313	1.659	1997.312	0.07%	98.54%
67.0	15.706	1.610	1998.922	0.07%	98.62%
68.0	15.172	1.564	2000.486	0.07%	98.70%
69.0	14.682	1.523	2002.009	0.06%	98.77%
70.0	14.228	1.485	2003.494	0.06%	98.85%
71.0	13.782	1.448	2004.942	0.06%	98.92%
72.0	13.343	1.410	2006.352	0.06%	98.99%
73.0	12.948	1.375	2007.727	0.06%	99.06%
74.0	12.604	1.343	2009.07	0.06%	99.12%
75.0	12.253	1.313	2010.384	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.931	1.284	2011.668	0.05%	99.25%
77.0	11.624	1.256	2012.924	0.05%	99.31%
78.0	11.346	1.230	2014.153	0.05%	99.37%
79.0	11.039	1.203	2015.356	0.05%	99.43%
80.0	10.724	1.173	2016.529	0.05%	99.49%
81.0	10.490	1.147	2017.676	0.05%	99.55%
82.0	10.205	1.122	2018.799	0.05%	99.60%
83.0	9.883	1.092	2019.891	0.05%	99.66%
84.0	9.590	1.061	2020.952	0.04%	99.71%
85.0	9.393	1.036	2021.988	0.04%	99.76%
86.0	9.166	1.014	2023.002	0.04%	99.81%
87.0	8.939	0.991	2023.993	0.04%	99.86%
88.0	8.852	0.975	2024.967	0.04%	99.91%
89.0	8.617	0.958	2025.925	0.04%	99.95%
90.0	8.610	0.945	2026.87	0.04%	100.00%

Zonal flux distribution table

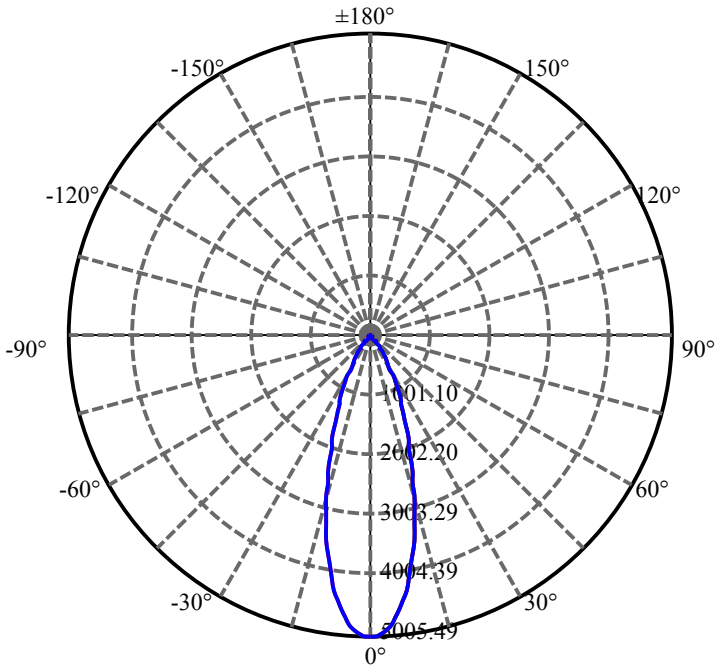
ZONAL LUMEN SUMMARY

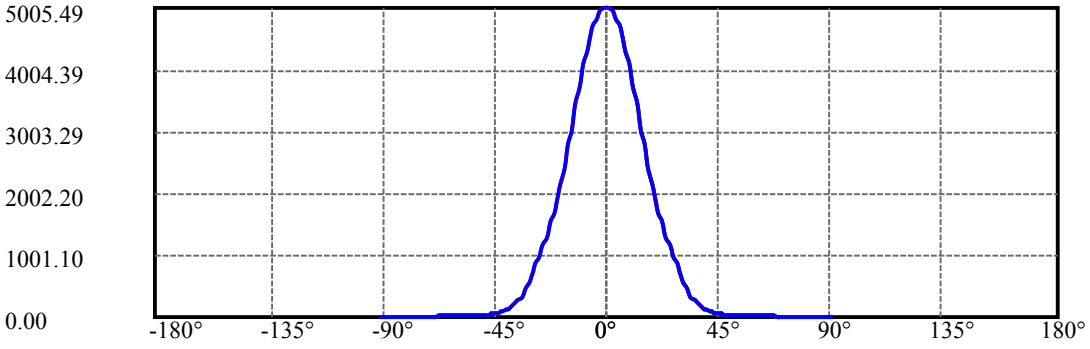
Zone	Lumens	%Lamp	%Fixt
0-30	1726.39	72.60%	85.18%
0-40	1917.07	80.62%	94.58%
0-60	1986.56	83.54%	98.01%
0-90	2025.92	85.19%	99.95%
0-120	2025.92	85.19%	99.95%
0-180	2026.87	85.23%	100.00%
60-90	39.37	1.66%	1.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.48	1621.50	68.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	424.21
10-20	764.20
20-30	537.98
30-40	190.68
40-50	45.48
50-60	24.00
60-70	16.94
70-80	13.04
80-90	9.40
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:

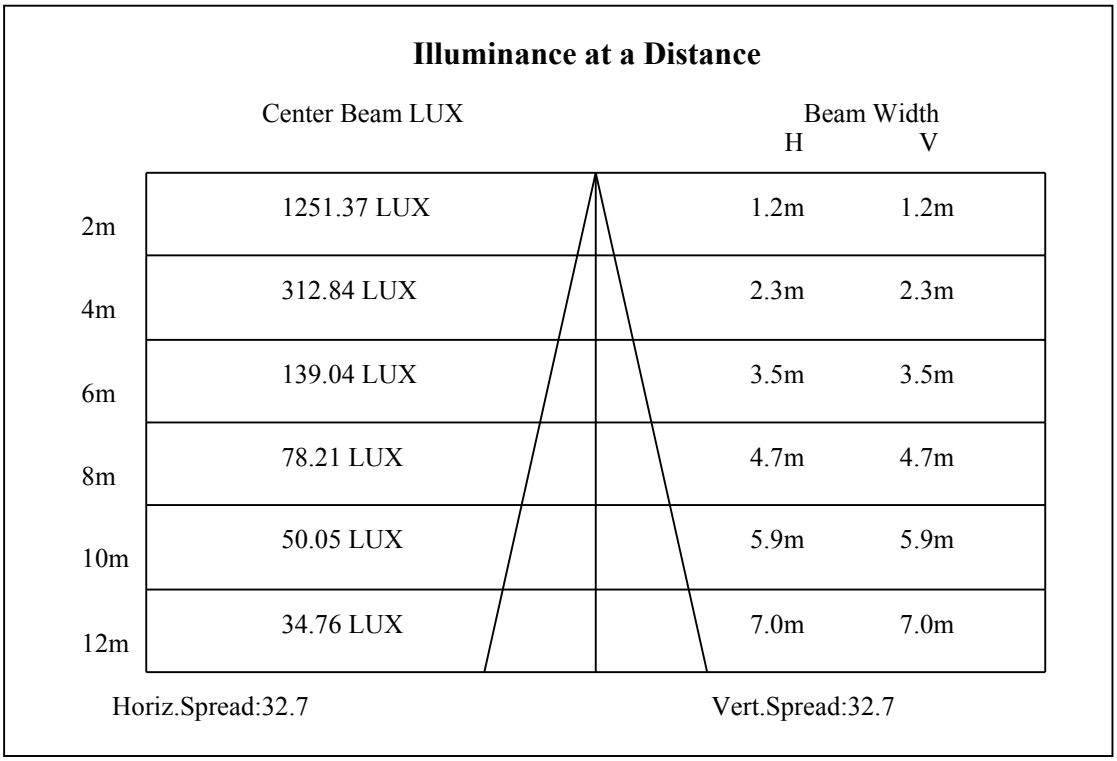
C90/C270:

Field angle(10%Imax):C0/180Left:31.6 Right:31.6
:C90/270Left:31.6 Right:31.6

Beam Angle(50%Imax):C0/180Left:16.2 Right:16.2
:C90/270Left:16.2 Right:16.2

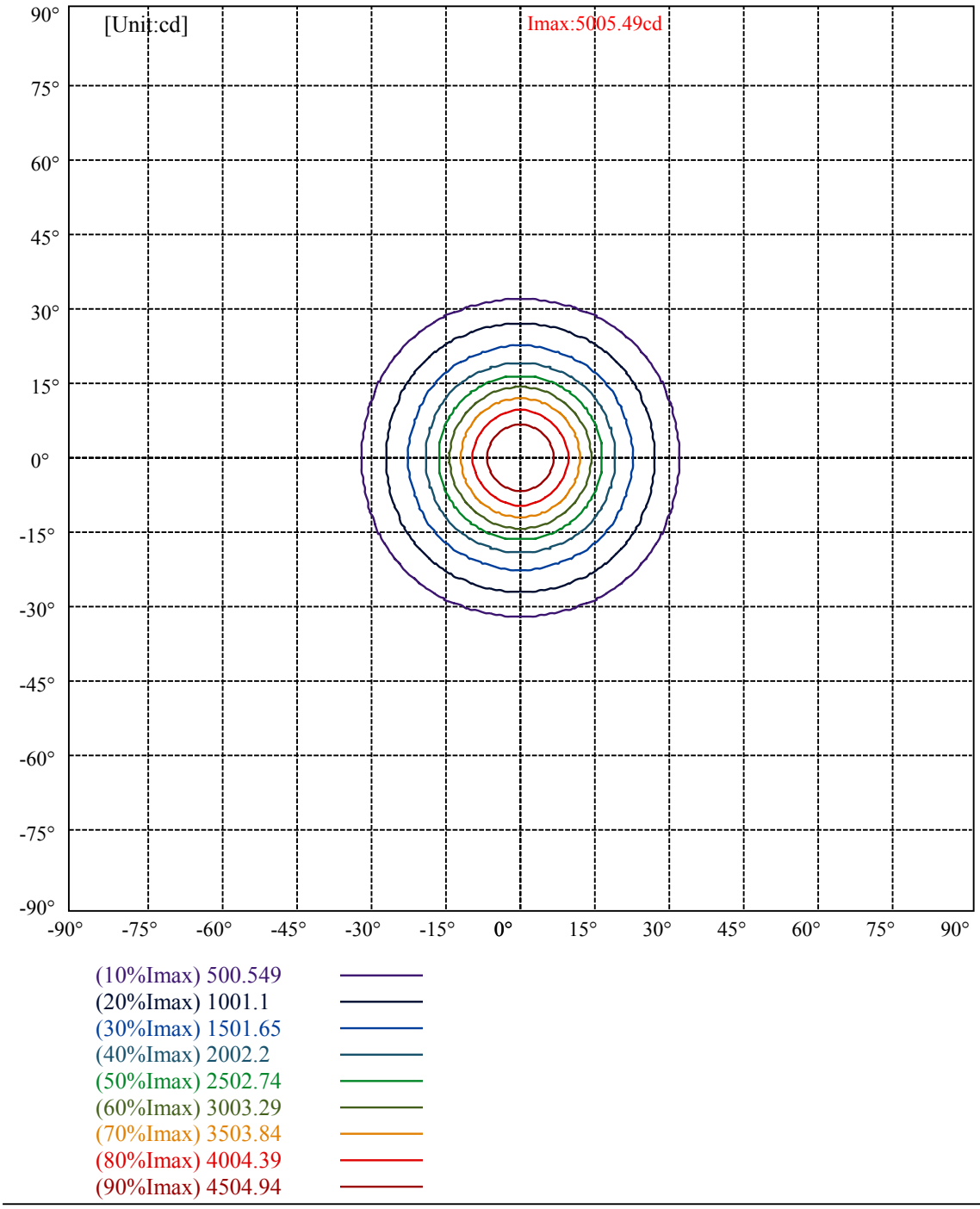
Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

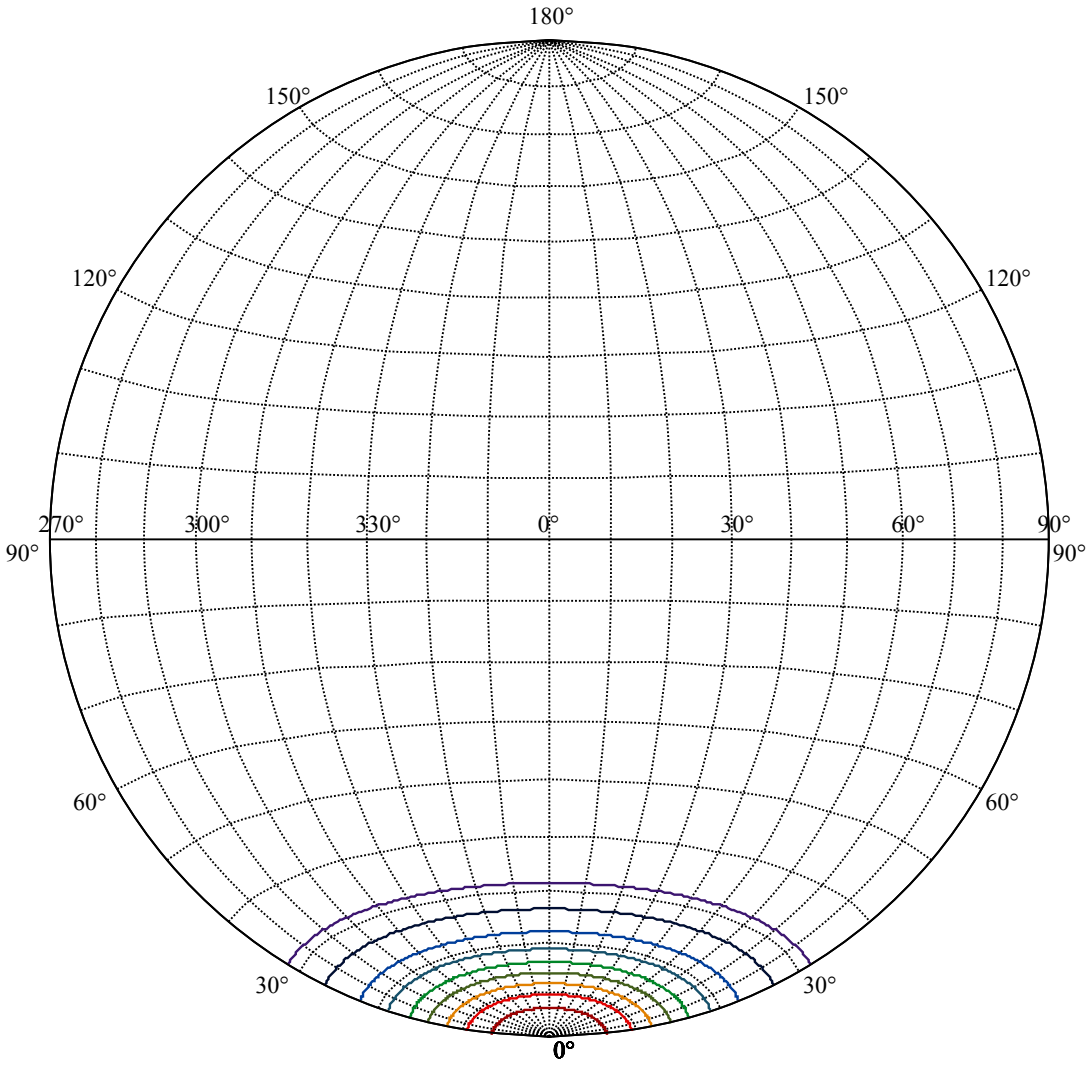
ISO-Intensity(V-H)



(10%Imax) 500.549
(20%Imax) 1001.1
(30%Imax) 1501.65
(40%Imax) 2002.2
(50%Imax) 2502.74
(60%Imax) 3003.29
(70%Imax) 3503.84
(80%Imax) 4004.39
(90%Imax) 4504.94

Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO candela diagram on circular web



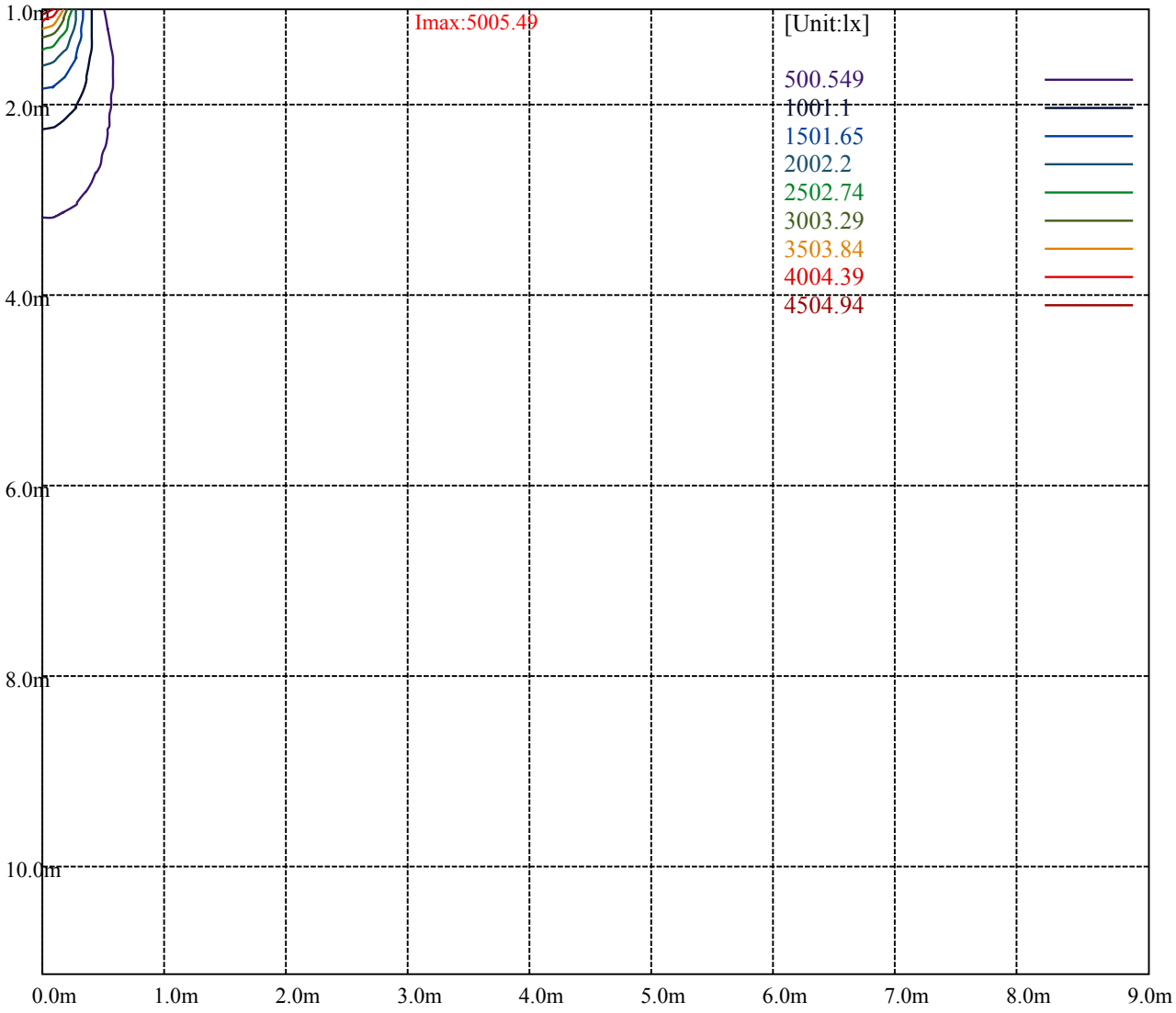
[Unit:cd]

Imax:5005.49

(10%Imax) 500.549
(20%Imax) 1001.1
(30%Imax) 1501.65
(40%Imax) 2002.2
(50%Imax) 2502.74
(60%Imax) 3003.29
(70%Imax) 3503.84
(80%Imax) 4004.39
(90%Imax) 4504.94

Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

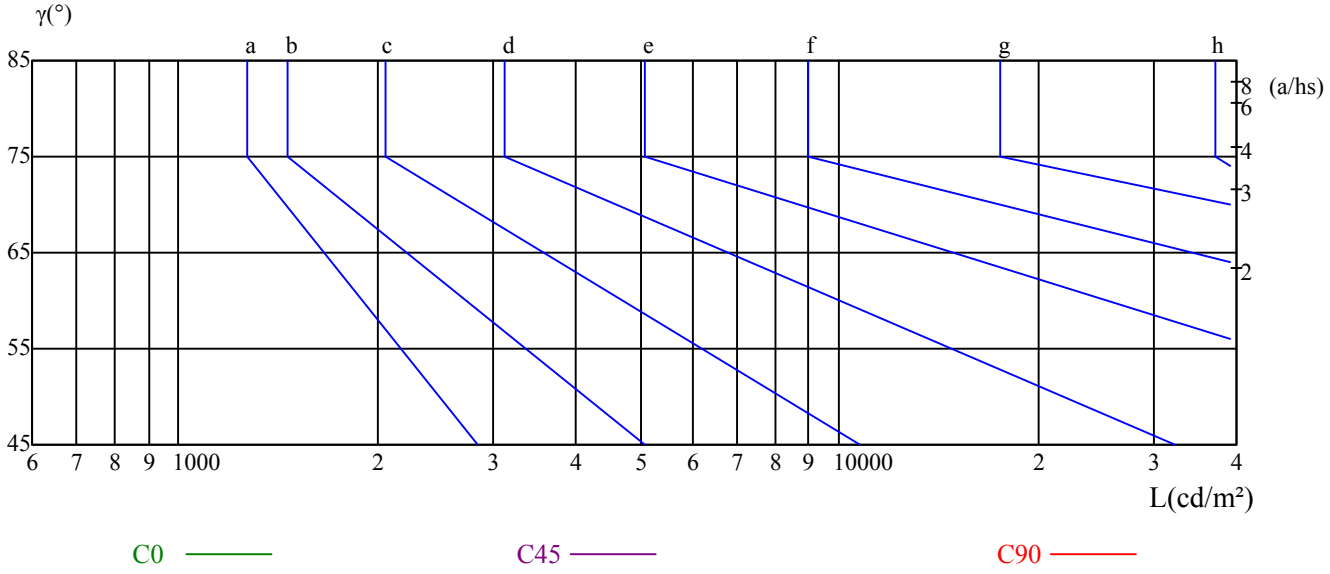
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

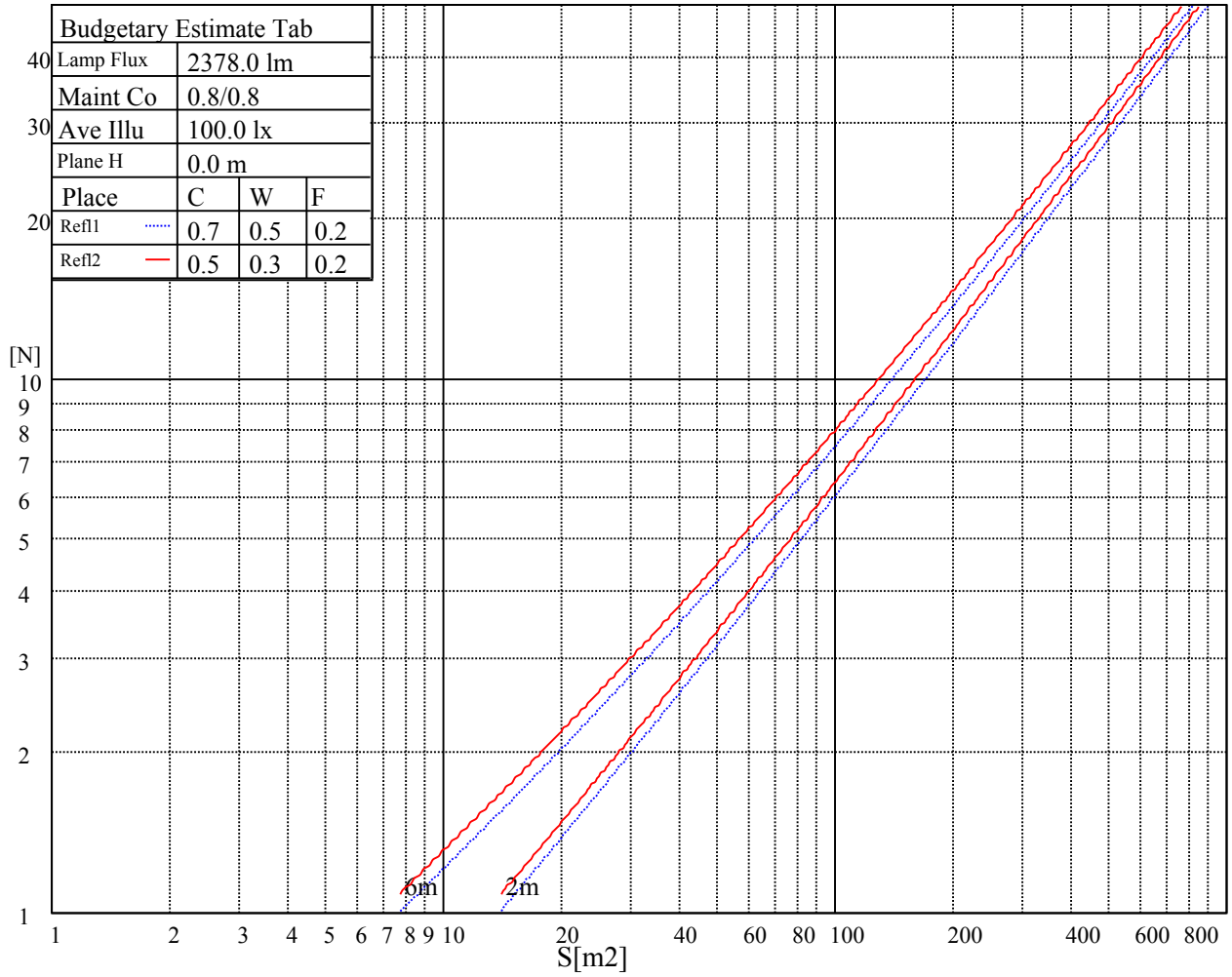


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

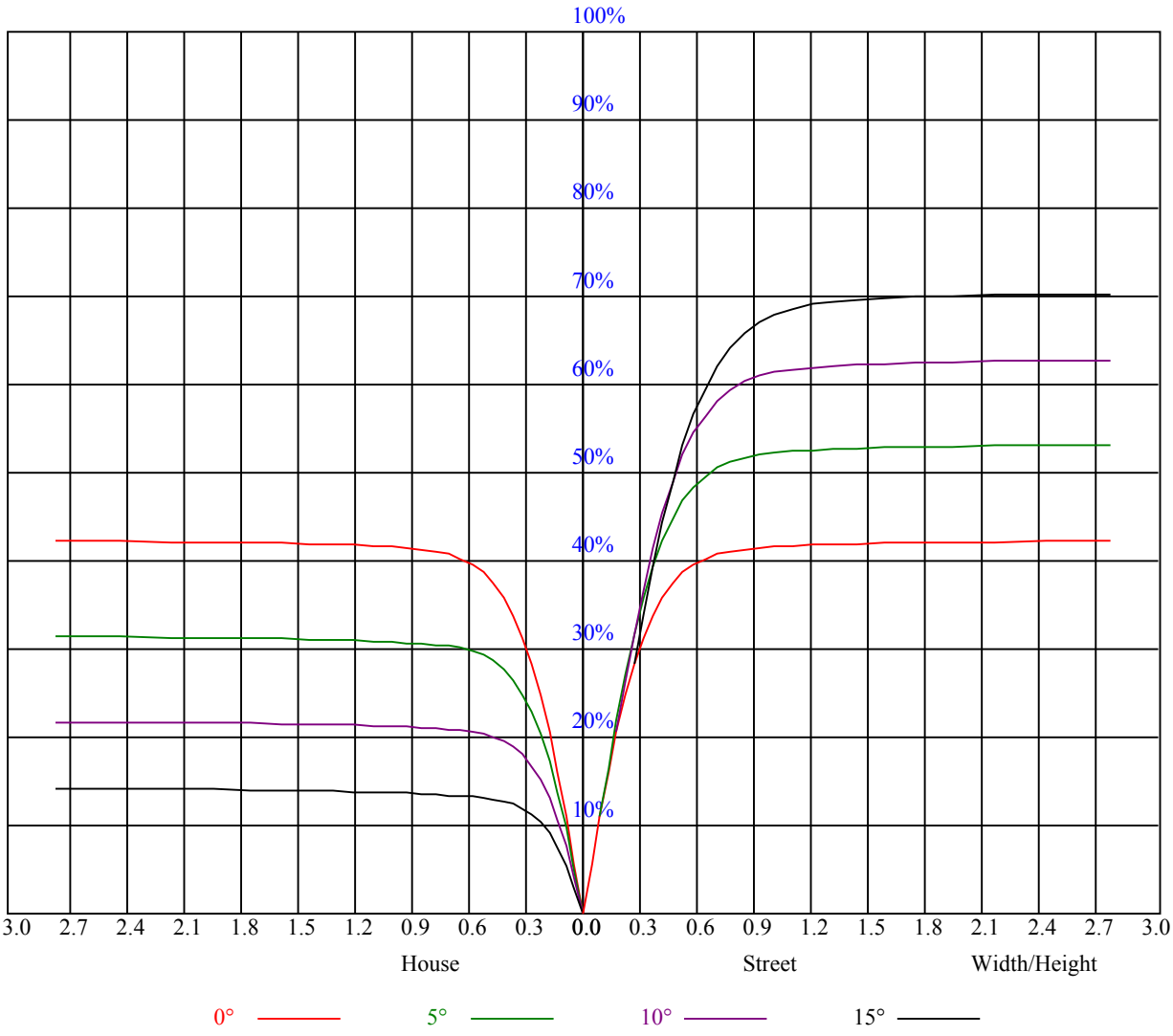


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

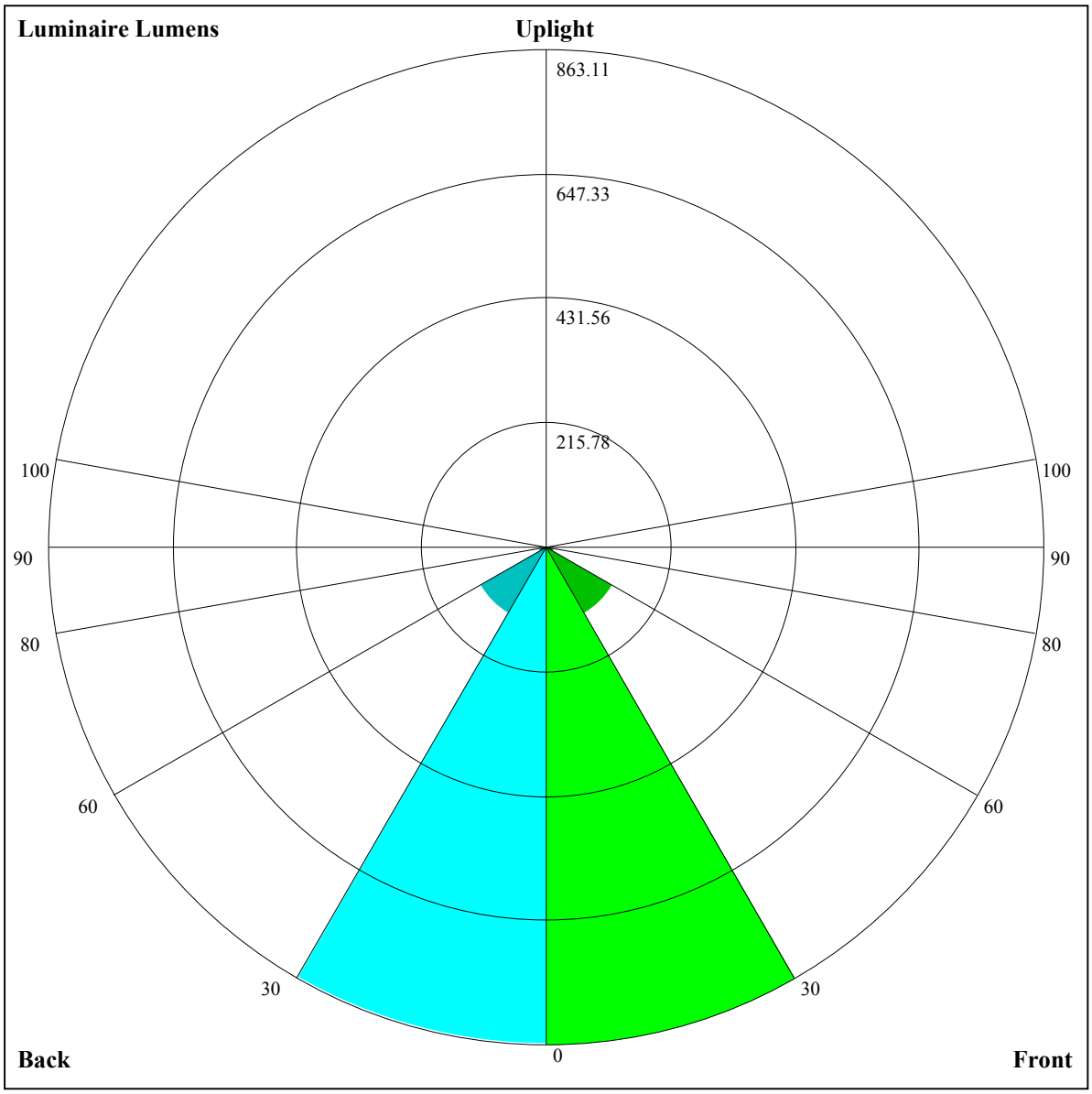
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	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	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.80
2	0.89	0.86	0.83	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.72	0.70	0.68
5	0.76	0.71	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	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.59
8	0.66	0.62	0.59	0.66	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.54
10	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=863.11,FM=131.3,FH=15.03,FVH=5.2
BL=861.37,BM=131.47,BH=14.97,BVH=5.17
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	5017.19	5037.09	5040.60	4992.03	4891.95	4753.84	4619.82	4466.50	4300.29
45.0	4991.44	5007.24	5009.00	4983.83	4924.14	4842.80	4753.84	4612.22	4473.52
90.0	4997.29	4976.81	4932.92	4869.72	4781.93	4692.39	4550.18	4424.36	4279.22
135.0	5016.02	4997.29	4975.06	4912.44	4848.65	4774.91	4647.33	4539.06	4422.02
180.0	5017.19	4982.66	4941.70	4880.84	4812.36	4699.42	4588.22	4476.44	4342.43
225.0	4991.44	4954.57	4873.81	4796.56	4681.86	4560.13	4421.43	4238.84	4072.05
270.0	4997.29	4999.05	4979.74	4906.00	4825.82	4735.11	4621.58	4437.82	4283.32
315.0	5016.02	5025.39	4993.78	4916.53	4812.95	4701.17	4526.19	4361.16	4123.55
360.0	5017.19	5037.09	5040.60	4992.03	4891.95	4753.84	4619.82	4466.50	4300.29

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4070.88	3871.32	3671.17	3468.10	3211.77	3002.85	2783.97	2505.41	2305.85
45.0	4323.70	4120.04	3940.38	3754.28	3498.53	3282.59	3055.52	2772.27	2563.34
90.0	4120.63	3879.52	3672.93	3461.08	3243.96	3020.40	2752.37	2550.47	2321.65
135.0	4231.82	4053.33	3867.81	3619.68	3413.09	3197.73	2985.88	2721.35	2515.94
180.0	4131.16	3942.13	3747.25	3496.78	3283.76	3016.31	2816.16	2610.75	2410.60
225.0	3882.44	3679.95	3425.38	3211.77	2999.92	2795.68	2546.37	2356.17	2174.17
270.0	4115.36	3926.92	3689.32	3490.93	3276.73	3001.09	2781.05	2524.13	2333.35
315.0	3925.16	3727.36	3477.47	3273.22	3068.39	2795.09	2575.05	2372.56	2188.80
360.0	4070.88	3871.32	3671.17	3468.10	3211.77	3002.85	2783.97	2505.41	2305.85

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2127.35	1929.55	1788.51	1660.34	1514.04	1399.92	1150.49	1150.49	1048.02
45.0	2367.88	2150.18	1990.41	1849.95	1720.62	1565.54	1444.98	1331.45	1223.18
90.0	2146.66	1986.90	1810.16	1683.75	1557.93	1406.35	1159.10	1159.10	1081.32
135.0	2321.06	2149.59	1955.30	1814.84	1685.51	1535.10	1417.47	1280.53	1175.78
180.0	2180.02	2006.21	1845.27	1714.77	1563.19	1439.13	1327.93	1226.10	1094.43
225.0	2003.87	1814.84	1680.82	1521.06	1404.60	1164.31	1164.31	1063.41	967.03
270.0	2153.69	1982.22	1802.55	1674.97	1542.13	1411.04	1276.43	1160.56	1061.07
315.0	1973.44	1826.55	1691.94	1567.29	1415.13	1164.89	1164.89	1062.83	966.91
360.0	2127.35	1929.55	1788.51	1660.34	1514.04	1399.92	1150.49	1150.49	1048.02

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	946.95	846.41	722.75	623.67	529.10	444.07	358.45	305.37	260.66
45.0	1092.67	990.26	890.77	767.87	671.31	577.68	467.07	393.91	334.22
90.0	958.25	865.08	772.44	676.99	559.71	471.34	396.31	323.10	276.28
135.0	1071.02	968.61	845.71	747.98	649.07	554.27	447.76	378.11	321.35
180.0	997.28	893.70	774.31	667.80	553.68	467.07	392.74	319.01	306.13
225.0	850.98	755.41	657.03	558.19	449.22	378.99	321.23	272.19	219.99
270.0	962.17	848.63	758.51	633.27	541.39	454.19	366.41	311.40	299.69
315.0	874.97	757.92	661.89	564.68	454.25	383.56	325.79	278.22	227.42
360.0	946.95	846.41	722.75	623.67	529.10	444.07	358.45	305.37	260.66

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	212.79	180.25	152.45	123.37	104.93	89.31	76.66	64.49	57.12
45.0	297.94	297.94	195.82	164.97	133.37	113.30	96.74	83.10	69.52
90.0	235.55	192.89	163.57	133.02	113.53	97.56	83.92	72.86	61.98
135.0	296.77	296.77	187.86	158.95	129.39	110.72	95.04	79.42	69.35
180.0	306.13	192.66	156.66	132.96	113.18	96.50	80.00	69.58	61.27
225.0	185.17	155.26	125.30	105.81	89.42	73.39	63.09	55.30	47.93
270.0	299.69	182.41	154.27	130.10	109.96	89.31	76.43	65.84	57.70
315.0	193.18	163.45	138.46	112.60	95.57	81.58	67.65	59.34	51.79
360.0	212.79	180.25	152.45	123.37	104.93	89.31	76.66	64.49	57.12

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	51.44	46.00	42.66	39.91	37.45	34.70	32.89	30.84	29.32
45.0	61.33	54.78	48.69	44.77	41.55	38.10	35.70	33.30	31.60
90.0	55.36	50.21	45.88	41.61	38.68	36.17	33.65	31.95	29.85
135.0	59.63	53.61	48.63	44.54	40.26	37.34	35.00	33.07	30.96
180.0	54.78	48.57	44.48	40.26	37.45	35.05	32.66	30.96	29.38
225.0	43.66	40.20	37.63	35.00	33.12	31.54	30.08	28.38	26.98
270.0	50.15	45.82	41.49	38.74	36.28	33.71	32.01	30.49	28.62
315.0	47.11	43.25	40.15	37.04	34.94	33.01	31.02	29.44	28.03
360.0	51.44	46.00	42.66	39.91	37.45	34.70	32.89	30.84	29.32

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.92	26.22	24.93	23.76	22.77	21.48	20.60	19.78	19.08
45.0	30.02	28.56	26.86	25.57	24.40	23.29	22.06	21.07	20.19
90.0	28.38	26.98	25.28	24.11	23.00	21.95	20.78	19.96	19.20
135.0	29.38	27.92	26.22	24.99	23.88	22.65	21.65	20.72	19.72
180.0	27.97	26.28	25.11	23.94	22.94	21.71	20.83	20.01	19.14
225.0	25.81	24.35	23.23	22.06	21.19	20.31	19.49	18.67	17.97
270.0	27.27	26.04	24.87	23.53	22.53	21.65	20.72	19.72	18.96
315.0	26.69	25.16	23.99	22.88	21.71	20.78	19.90	18.96	18.26
360.0	27.92	26.22	24.93	23.76	22.77	21.48	20.60	19.78	19.08

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.20	17.50	16.91	16.27	15.68	15.16	14.63	14.22	13.64
45.0	19.20	18.49	17.79	17.03	16.44	15.86	15.16	14.75	14.34
90.0	18.49	17.62	17.03	16.50	15.80	15.22	14.75	14.22	13.81
135.0	19.02	18.26	17.62	16.91	16.33	15.74	15.22	14.69	14.28
180.0	18.32	17.62	16.85	16.33	15.63	15.10	14.63	14.22	13.75
225.0	17.32	16.74	16.09	15.57	14.92	14.51	14.10	13.69	13.23
270.0	18.26	17.38	16.80	16.09	15.57	15.10	14.63	14.16	13.75
315.0	17.62	16.85	16.33	15.80	15.27	14.69	14.34	13.87	13.46
360.0	18.20	17.50	16.91	16.27	15.68	15.16	14.63	14.22	13.64

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.23	12.87	12.58	12.23	11.82	11.59	11.35	10.94	10.65
45.0	13.87	13.28	12.93	12.64	12.29	11.88	11.59	11.35	11.00
90.0	13.28	12.93	12.64	12.29	12.00	11.65	11.41	11.06	10.71
135.0	13.81	13.28	12.93	12.52	12.23	11.88	11.65	11.35	11.00
180.0	13.28	12.93	12.58	12.23	11.88	11.65	11.29	11.06	10.77
225.0	12.87	12.58	12.17	11.82	11.59	11.29	11.00	10.71	10.48
270.0	13.34	12.99	12.58	12.29	11.94	11.65	11.35	11.06	10.65
315.0	13.05	12.70	12.41	12.00	11.70	11.41	11.12	10.77	10.53
360.0	13.23	12.87	12.58	12.23	11.82	11.59	11.35	10.94	10.65

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.48	10.18	9.83	9.54	9.60	9.13	8.95	9.01	8.60
45.0	10.71	10.42	10.24	9.77	9.54	9.54	9.07	8.95	8.95
90.0	10.48	10.24	9.95	9.54	9.42	9.19	8.95	8.90	8.54
135.0	10.77	10.53	10.24	9.77	9.48	9.31	9.13	8.90	8.66
180.0	10.53	10.30	9.83	9.54	9.31	9.13	8.84	8.72	8.49
225.0	10.18	9.83	9.60	9.36	9.13	8.90	8.78	8.60	8.54
270.0	10.48	10.24	9.77	9.60	9.48	9.13	8.90	8.95	8.54
315.0	10.30	9.89	9.60	9.60	9.19	9.01	8.90	8.78	8.60
360.0	10.48	10.18	9.83	9.54	9.60	9.13	8.95	9.01	8.60

Intensity data(cd)

C/γ(°)	90.0
0.0	8.66
45.0	8.54
90.0	8.54
135.0	8.54
180.0	8.49
225.0	8.54
270.0	8.66
315.0	8.90
360.0	8.66