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NT

Client:
LumCAT: 3-2806-L
Luminaire: 92.70.411.00
Report No: 2024408-B016
Ballast type: AC

Test No: 2024408-C016	Voltage(V): 34.940
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 14.010
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2017.46, Efficiency(%): 84.84% , Luminous Efficacy(lm/W): 144.00
Central intensity(cd): 7094.741, Maximum intensity(cd): 7094.741
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.6
[C90/270]Total=23.6
Field angle(10%Imax): [C0/180]Total=58.6
[C90/270]Total=58.6
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.84%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.878%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7094.741	0.000	0	0.00%	0.00%
1.0	7069.577	6.777	6.777	0.29%	0.34%
2.0	6985.816	20.174	26.951	0.85%	1.34%
3.0	6844.338	33.077	60.028	1.39%	2.98%
4.0	6603.225	45.013	105.041	1.89%	5.21%
5.0	6285.375	55.446	160.488	2.33%	7.95%
6.0	5905.418	64.066	224.553	2.69%	11.13%
7.0	5473.156	70.627	295.18	2.97%	14.63%
8.0	5027.507	75.151	370.331	3.16%	18.36%
9.0	4603.658	78.055	448.387	3.28%	22.23%
10.0	4194.659	79.622	528.008	3.35%	26.17%
11.0	3823.333	80.116	608.124	3.37%	30.14%
12.0	3479.002	79.825	687.949	3.36%	34.10%
13.0	3153.105	78.706	766.656	3.31%	38.00%
14.0	2856.322	76.920	843.576	3.23%	41.81%
15.0	2609.430	75.036	918.612	3.16%	45.53%
16.0	2375.194	73.039	991.651	3.07%	49.15%
17.0	2176.510	70.882	1062.533	2.98%	52.67%
18.0	1994.871	68.777	1131.31	2.89%	56.08%
19.0	1839.274	66.706	1198.017	2.81%	59.38%
20.0	1693.480	64.659	1262.676	2.72%	62.59%
21.0	1554.928	62.376	1325.052	2.62%	65.68%
22.0	1383.450	59.048	1384.1	2.48%	68.61%
23.0	1257.970	55.424	1439.524	2.33%	71.35%
24.0	1169.623	53.076	1492.6	2.23%	73.98%
25.0	1044.371	50.341	1542.941	2.12%	76.48%
26.0	930.427	46.615	1589.556	1.96%	78.79%
27.0	848.262	43.516	1633.072	1.83%	80.95%
28.0	787.369	41.411	1674.483	1.74%	83.00%
29.0	730.675	39.716	1714.2	1.67%	84.97%
30.0	659.849	37.544	1751.743	1.58%	86.83%
31.0	572.460	34.293	1786.037	1.44%	88.53%
32.0	478.882	30.120	1816.156	1.27%	90.02%
33.0	390.038	25.599	1841.755	1.08%	91.29%
34.0	303.103	20.976	1862.732	0.88%	92.33%
35.0	242.056	16.931	1879.662	0.71%	93.17%
36.0	169.766	13.113	1892.775	0.55%	93.82%
37.0	117.755	9.377	1902.152	0.39%	94.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.283	6.677	1908.829	0.28%	94.62%
39.0	72.773	5.292	1914.122	0.22%	94.88%
40.0	66.087	4.843	1918.964	0.20%	95.12%
41.0	60.278	4.500	1923.464	0.19%	95.34%
42.0	55.465	4.205	1927.669	0.18%	95.55%
43.0	50.659	3.931	1931.601	0.17%	95.74%
44.0	46.613	3.671	1935.272	0.15%	95.93%
45.0	42.699	3.432	1938.704	0.14%	96.10%
46.0	39.451	3.213	1941.917	0.14%	96.26%
47.0	36.613	3.025	1944.942	0.13%	96.41%
48.0	34.148	2.861	1947.803	0.12%	96.55%
49.0	31.836	2.710	1950.512	0.11%	96.68%
50.0	29.876	2.573	1953.085	0.11%	96.81%
51.0	28.142	2.455	1955.54	0.10%	96.93%
52.0	26.686	2.353	1957.893	0.10%	97.05%
53.0	25.413	2.266	1960.159	0.10%	97.16%
54.0	24.323	2.192	1962.351	0.09%	97.27%
55.0	23.446	2.132	1964.484	0.09%	97.37%
56.0	22.677	2.084	1966.568	0.09%	97.48%
57.0	22.173	2.051	1968.618	0.09%	97.58%
58.0	21.756	2.031	1970.65	0.09%	97.68%
59.0	21.317	2.014	1972.664	0.08%	97.78%
60.0	20.863	1.993	1974.656	0.08%	97.88%
61.0	20.366	1.968	1976.624	0.08%	97.98%
62.0	19.547	1.923	1978.547	0.08%	98.07%
63.0	18.683	1.859	1980.406	0.08%	98.16%
64.0	17.842	1.792	1982.199	0.08%	98.25%
65.0	16.920	1.720	1983.919	0.07%	98.34%
66.0	16.138	1.649	1985.568	0.07%	98.42%
67.0	15.457	1.589	1987.157	0.07%	98.50%
68.0	14.726	1.529	1988.686	0.06%	98.57%
69.0	14.301	1.481	1990.167	0.06%	98.65%
70.0	14.250	1.466	1991.633	0.06%	98.72%
71.0	14.338	1.478	1993.111	0.06%	98.79%
72.0	14.440	1.496	1994.607	0.06%	98.87%
73.0	14.506	1.514	1996.121	0.06%	98.94%
74.0	14.470	1.523	1997.644	0.06%	99.02%
75.0	14.623	1.537	1999.181	0.06%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.565	1.549	2000.731	0.07%	99.17%
77.0	14.316	1.540	2002.271	0.06%	99.25%
78.0	14.148	1.524	2003.794	0.06%	99.32%
79.0	13.621	1.492	2005.286	0.06%	99.40%
80.0	13.072	1.439	2006.725	0.06%	99.47%
81.0	12.187	1.366	2008.091	0.06%	99.54%
82.0	10.695	1.241	2009.332	0.05%	99.60%
83.0	9.971	1.123	2010.456	0.05%	99.65%
84.0	9.642	1.068	2011.524	0.04%	99.71%
85.0	9.407	1.040	2012.564	0.04%	99.76%
86.0	9.166	1.015	2013.579	0.04%	99.81%
87.0	8.969	0.992	2014.572	0.04%	99.86%
88.0	8.822	0.975	2015.546	0.04%	99.90%
89.0	8.734	0.962	2016.508	0.04%	99.95%
90.0	8.691	0.955	2017.464	0.04%	100.00%

Zonal flux distribution table

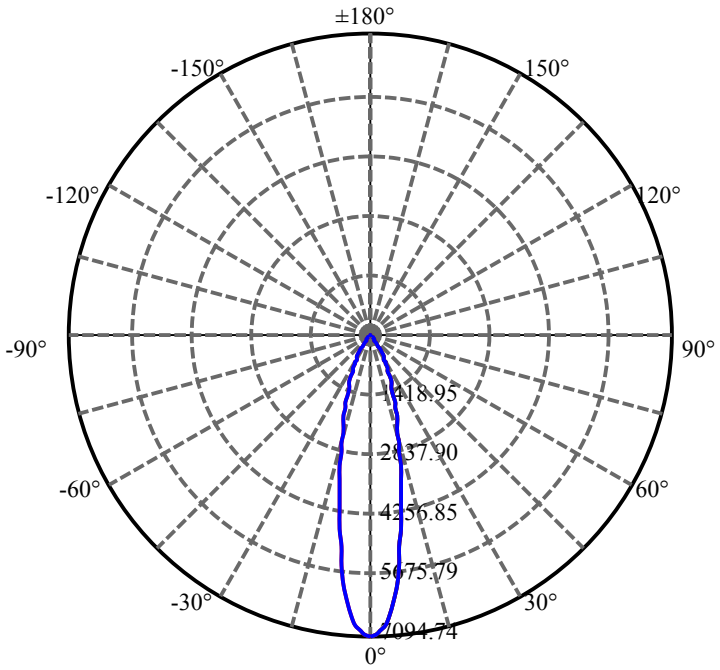
ZONAL LUMEN SUMMARY

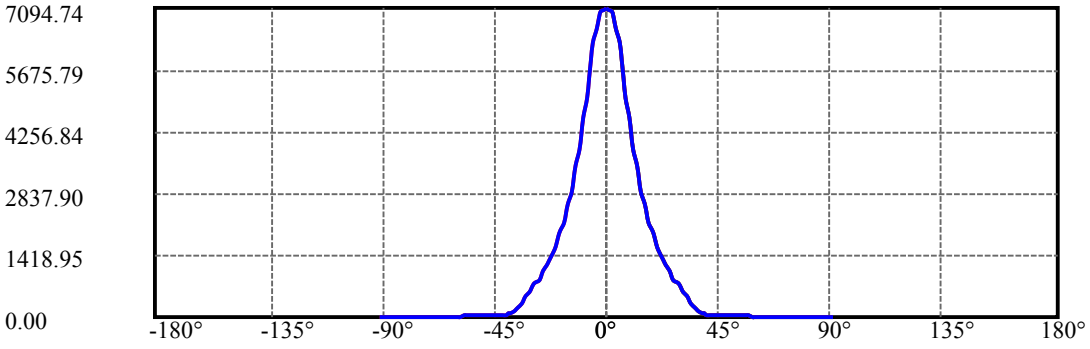
Zone	Lumens	%Lamp	%Fixt
0-30	1751.74	73.66%	86.83%
0-40	1918.96	80.70%	95.12%
0-60	1974.66	83.04%	97.88%
0-90	2016.51	84.80%	99.95%
0-120	2016.51	84.80%	99.95%
0-180	2017.46	84.84%	100.00%
60-90	41.85	1.76%	2.07%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.56	1613.97	67.87%	80.00%

ZONAL LUMEN SUMMARY

0-10	528.01
10-20	734.67
20-30	489.07
30-40	167.22
40-50	34.12
50-60	21.57
60-70	16.98
70-80	15.09
80-90	9.78
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):

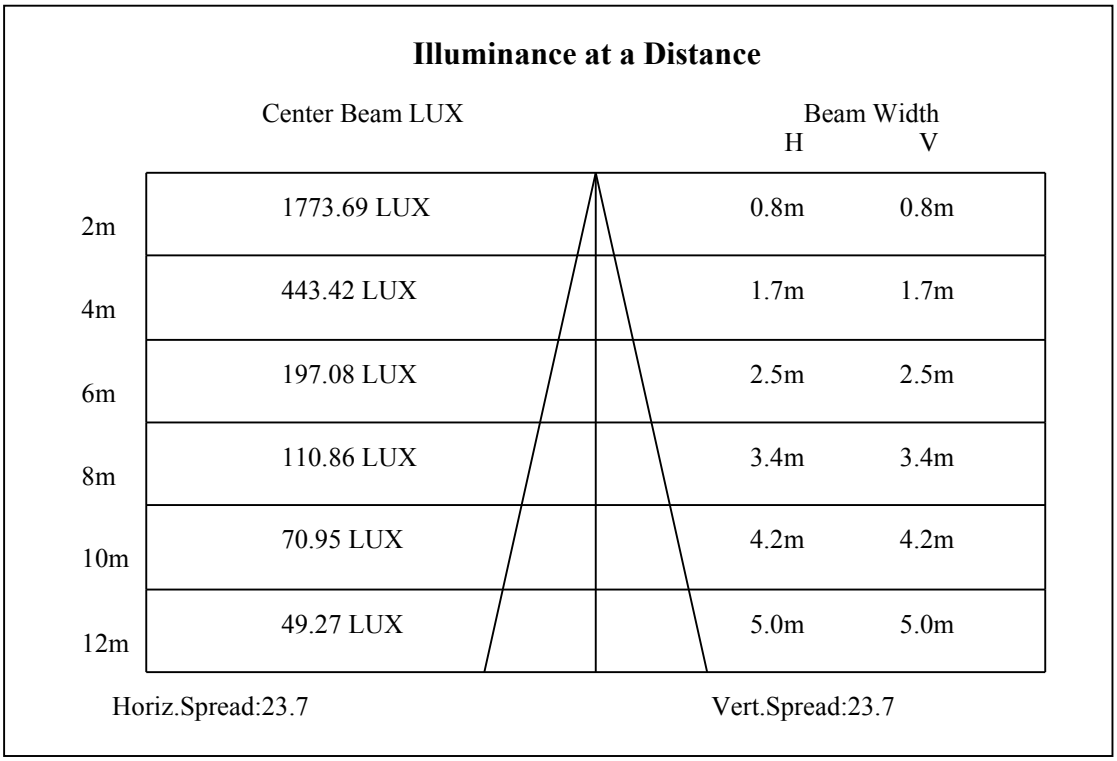
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.3 Right:29.3
:C90/270Left:29.3 Right:29.3

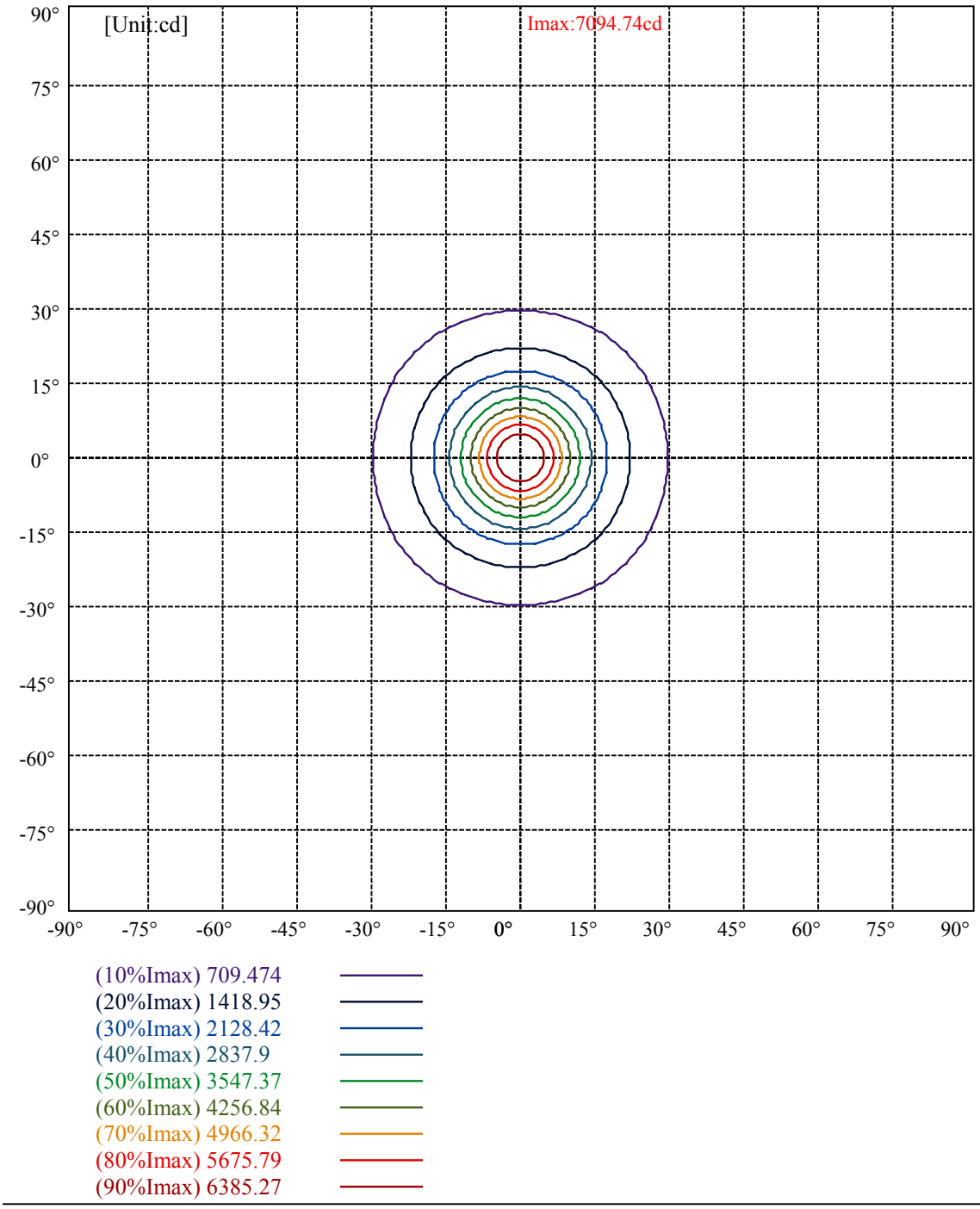
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8
:C90/270Left:11.8 Right:11.8

Lux distance Curve



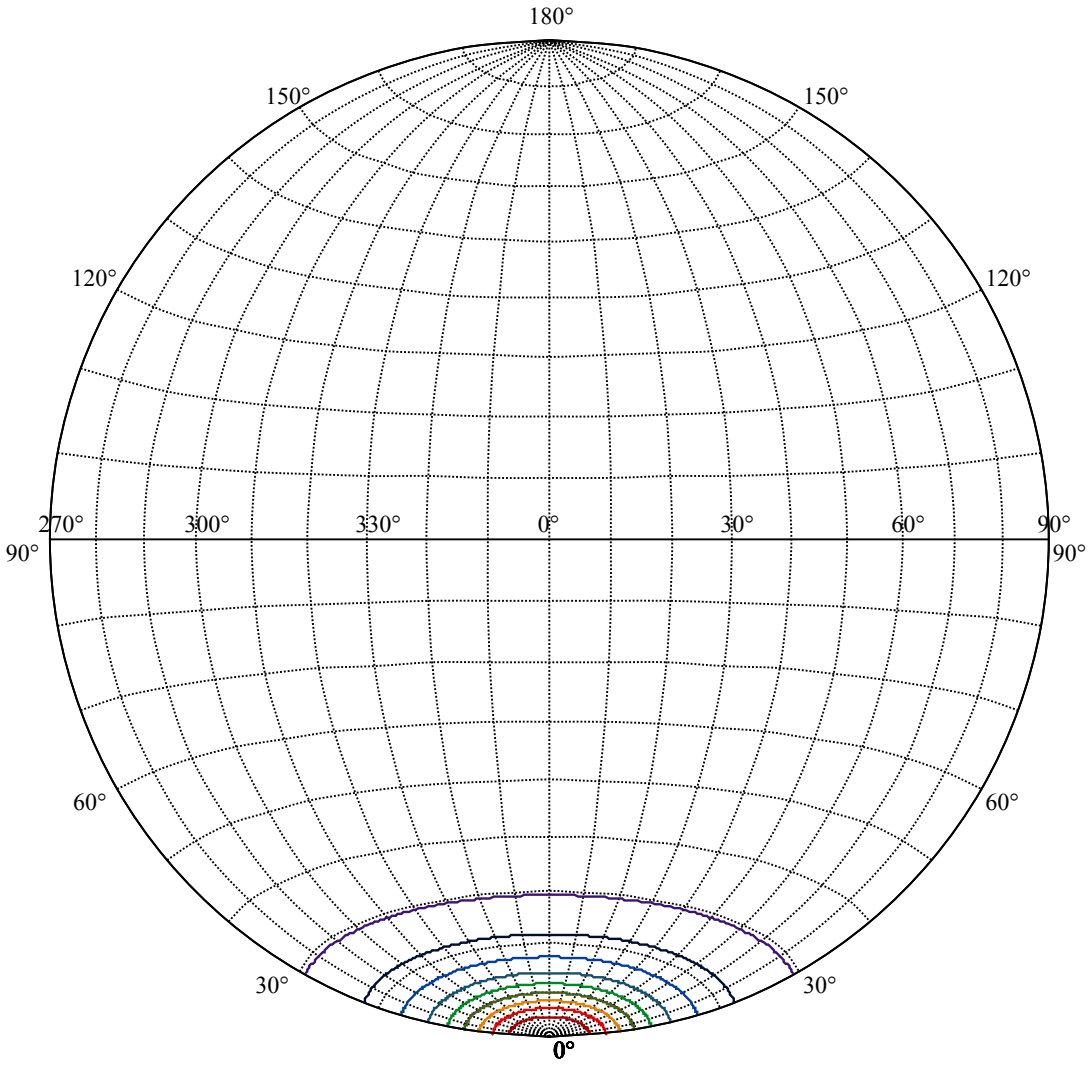
Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



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



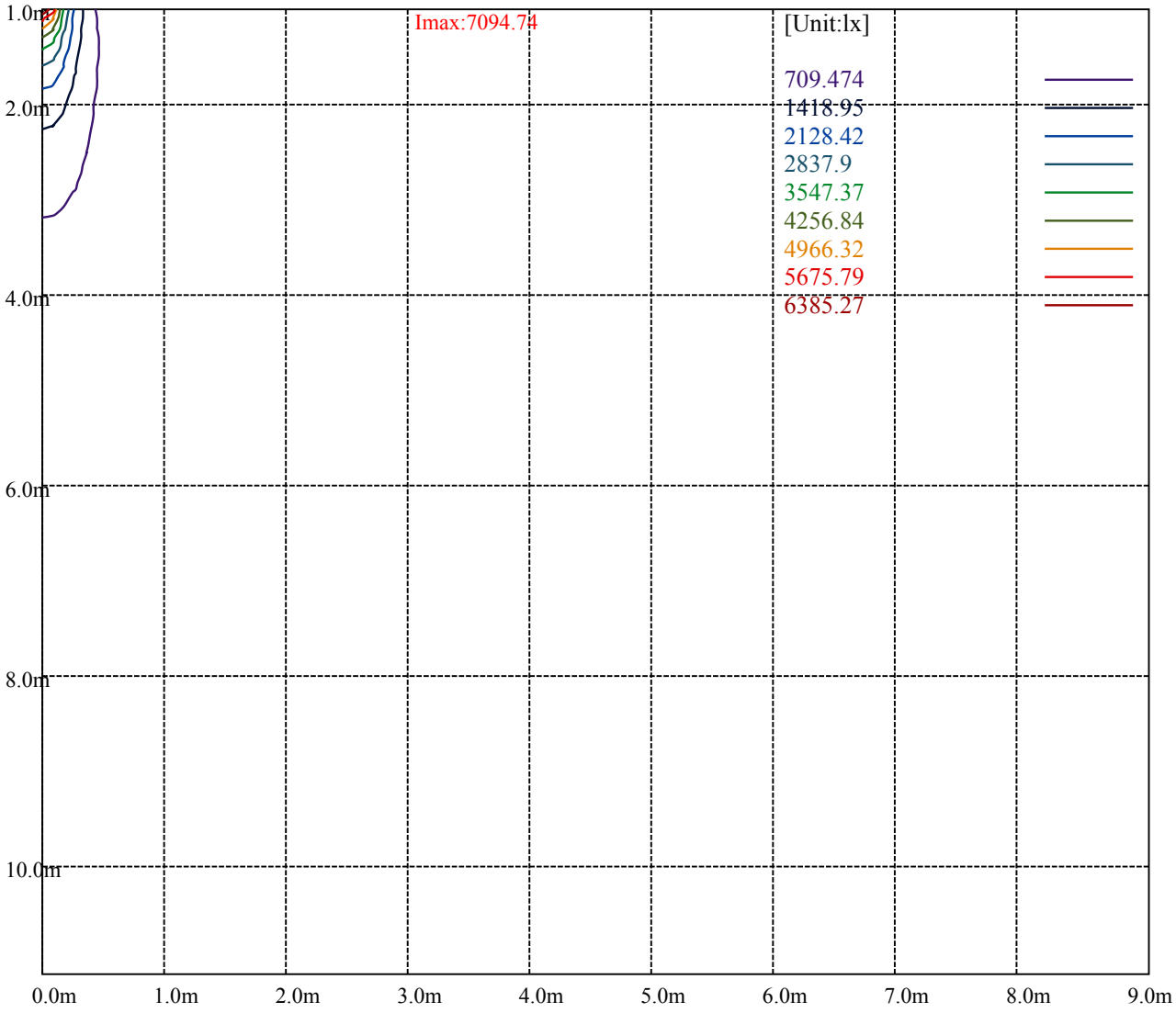
House [Unit:cd] Road

Imax:7094.74

(10%Imax) 709.474
(20%Imax) 1418.95
(30%Imax) 2128.42
(40%Imax) 2837.9
(50%Imax) 3547.37
(60%Imax) 4256.84
(70%Imax) 4966.32
(80%Imax) 5675.79
(90%Imax) 6385.27

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
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 3-2806-L

Luminance Limitting Curve(no luminous side)

Luminance Table

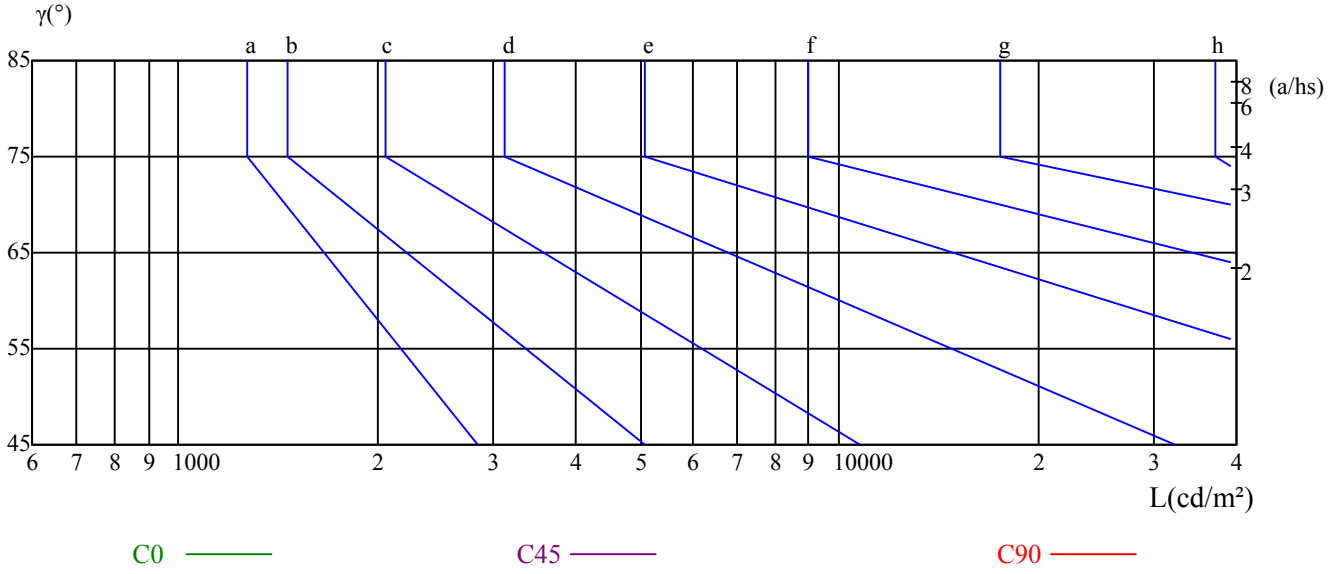
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

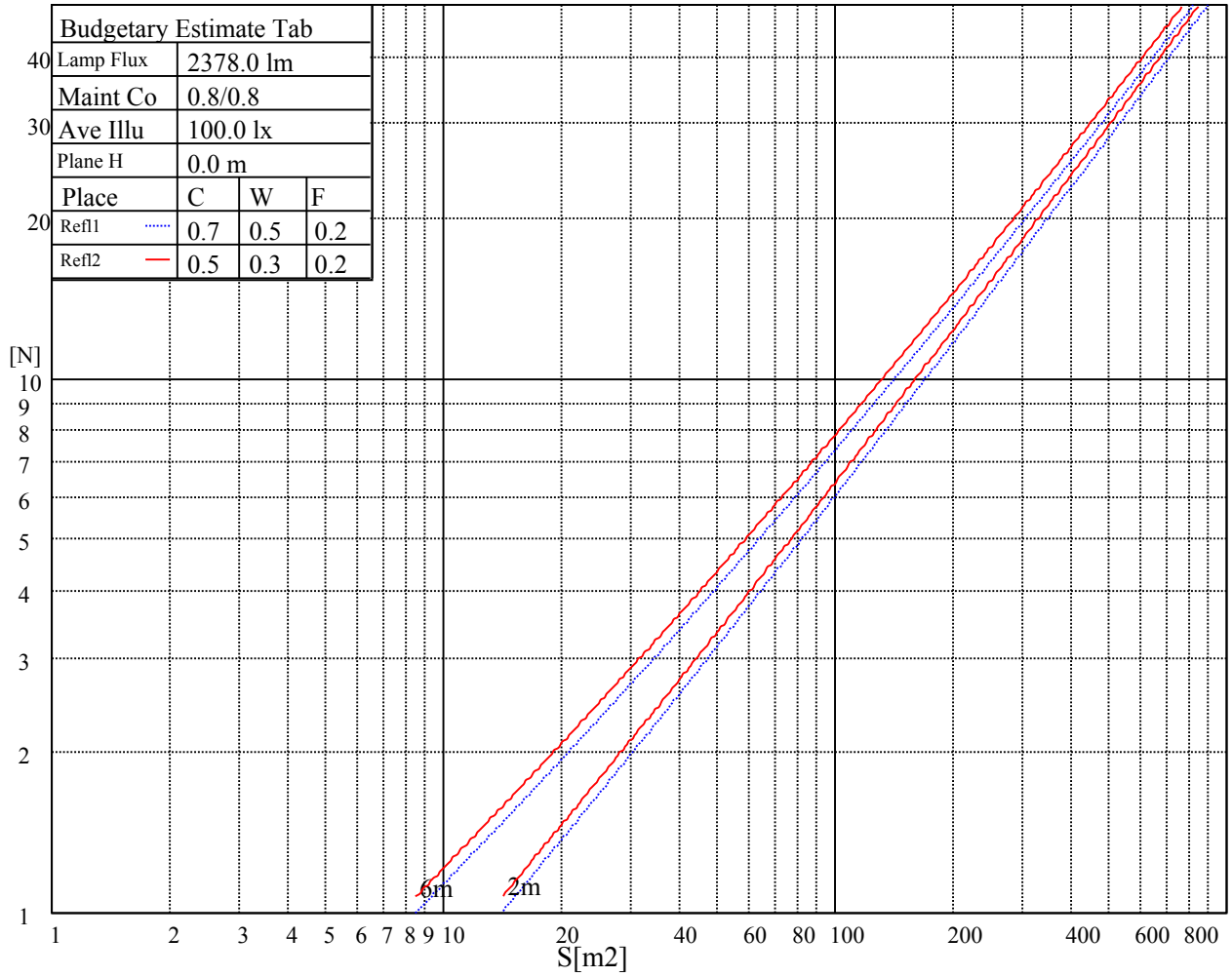
Date: 2024/4/08
Humidity(%): 60.0%

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		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

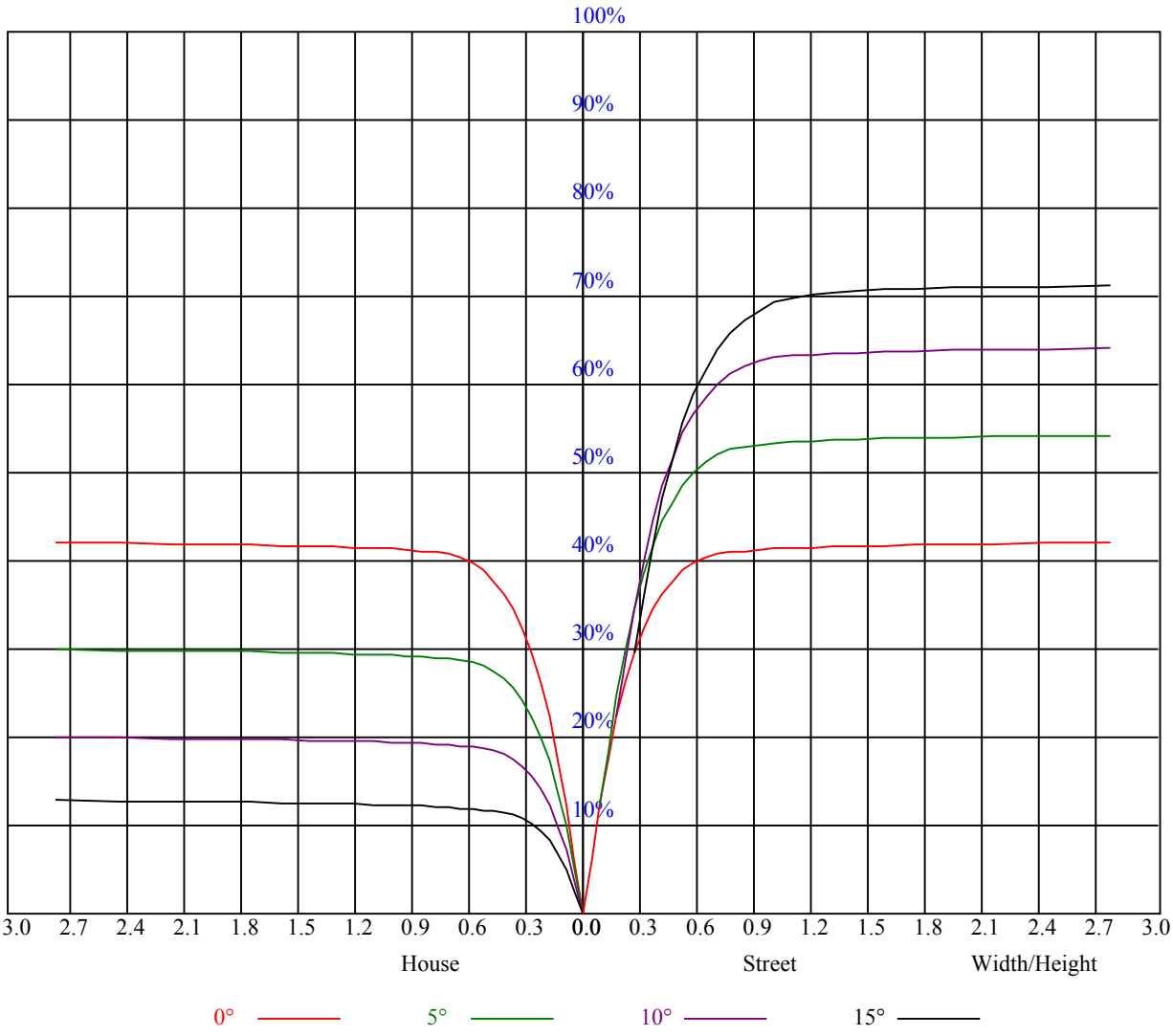


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

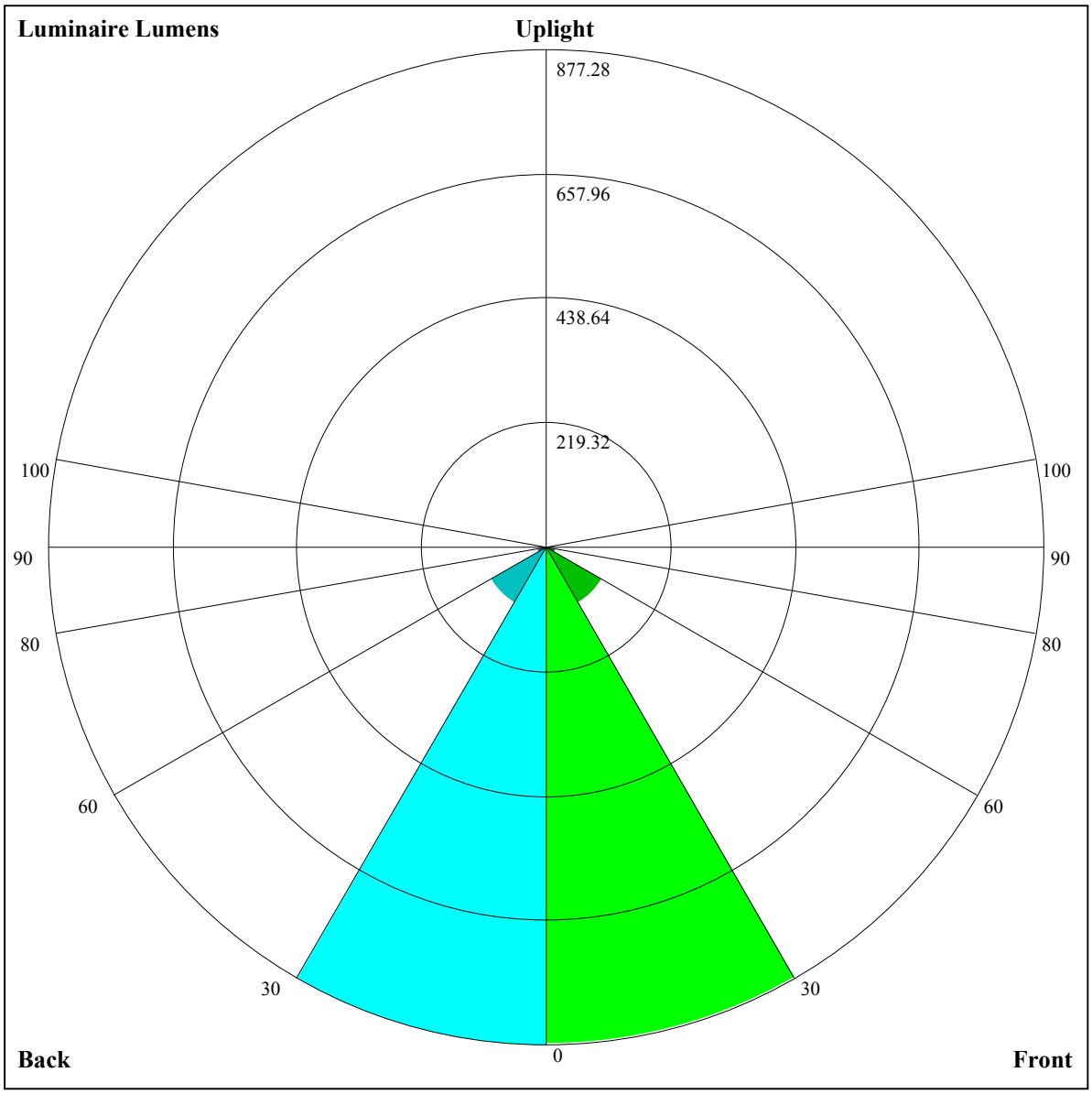
Utilization factor table for indoor luminaire

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	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.84	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	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.69
5	0.77	0.73	0.69	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.57
10	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.55

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=875.35,FM=113.06,FH=15.86,FVH=5.34
BL=877.28,BM=113.84,BH=15.86,BVH=5.38
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	7105.28	7080.70	6999.93	6847.19	6556.92	6236.80	5865.77	5350.19	4941.70
45.0	7077.77	7111.71	7101.76	7020.42	6892.25	6689.77	6391.89	5944.19	5541.55
90.0	7095.33	7072.50	6978.28	6827.29	6620.12	6225.10	5859.92	5461.38	5046.45
135.0	7100.59	7107.03	7064.31	6988.82	6800.96	6574.48	6270.16	5801.98	5408.71
180.0	7105.28	7075.43	7011.64	6898.69	6651.14	6369.06	5934.83	5539.80	5126.04
225.0	7077.77	6997.01	6821.44	6589.69	6279.52	5926.63	5424.51	5010.17	4512.73
270.0	7095.33	7077.77	7006.96	6870.60	6590.86	6278.94	5910.83	5507.03	4994.37
315.0	7100.59	7034.46	6902.20	6712.00	6434.02	5982.23	5585.45	5170.52	4648.50
360.0	7105.28	7080.70	6999.93	6847.19	6556.92	6236.80	5865.77	5350.19	4941.70

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4527.94	4149.30	3700.44	3377.39	3001.68	2737.74	2505.99	2256.10	2082.87
45.0	5027.73	4629.19	4245.28	3809.29	3490.34	3181.93	2910.38	2599.63	2384.27
90.0	4651.43	4177.98	3840.89	3523.11	3235.18	2894.00	2652.30	2380.75	2196.99
135.0	4911.27	4529.11	4166.86	3825.09	3429.48	3138.62	2864.15	2623.62	2362.03
180.0	4727.51	4255.81	3891.80	3554.13	3234.60	2877.02	2620.11	2402.99	2166.56
225.0	4127.65	3788.22	3393.19	3097.07	2837.23	2540.52	2336.86	2157.20	1988.65
270.0	4596.42	4212.51	3854.94	3459.32	3150.91	2881.71	2597.87	2383.09	2202.26
315.0	4259.33	3815.14	3493.27	3186.61	2845.42	2599.04	2387.78	2198.16	2028.45
360.0	4527.94	4149.30	3700.44	3377.39	3001.68	2737.74	2505.99	2256.10	2082.87

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1923.69	1777.39	1645.13	1493.55	1289.89	1142.94	1142.94	996.87	897.79
45.0	2195.82	2023.18	1834.74	1697.80	1571.97	1425.08	1308.04	1190.41	1032.40
90.0	2031.96	1842.93	1708.92	1577.83	1456.10	1151.08	1151.08	1060.19	949.88
135.0	2179.44	2016.16	1865.17	1696.04	1566.71	1417.47	1298.67	1178.70	1021.86
180.0	1995.09	1841.76	1675.56	1554.42	1435.62	1295.75	1179.87	1056.97	940.52
225.0	1800.21	1667.36	1539.20	1420.98	1156.58	1156.58	1038.60	903.76	824.82
270.0	1996.26	1845.27	1704.82	1544.47	1424.50	1308.62	1189.24	1035.32	921.20
315.0	1836.49	1700.14	1574.31	1454.34	1166.24	1166.24	1048.55	932.73	854.96
360.0	1923.69	1777.39	1645.13	1493.55	1289.89	1142.94	1142.94	996.87	897.79

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	829.38	772.79	726.73	644.45	562.58	470.11	353.94	264.64	188.74
45.0	925.88	850.98	787.19	740.37	674.82	575.33	490.48	405.03	321.35
90.0	856.07	800.41	757.92	673.07	595.17	488.49	403.40	319.71	239.30
135.0	920.62	847.46	784.26	731.00	657.27	575.33	488.72	380.45	295.60
180.0	843.37	792.45	746.81	685.94	587.04	498.67	407.38	311.40	311.40
225.0	773.55	704.49	629.06	545.49	438.98	353.83	272.66	201.84	127.29
270.0	848.05	785.43	733.35	658.44	571.82	465.31	383.97	301.45	301.45
315.0	789.18	744.93	680.09	600.03	492.00	403.98	319.77	240.29	151.34
360.0	829.38	772.79	726.73	644.45	562.58	470.11	353.94	264.64	188.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	130.91	89.36	78.13	71.10	65.19	59.05	54.25	49.22	46.47
45.0	301.45	207.58	103.70	83.98	74.73	68.35	62.85	56.36	51.91
90.0	151.05	102.65	82.63	75.38	67.42	61.80	56.94	52.32	47.58
135.0	295.60	200.38	92.41	79.06	72.10	64.67	59.87	54.37	50.45
180.0	144.43	93.99	79.77	71.69	65.95	60.80	56.53	52.49	47.70
225.0	93.23	80.41	73.15	65.02	59.63	54.84	49.51	45.65	41.08
270.0	139.58	86.85	76.20	69.70	63.85	57.53	53.02	48.75	45.24
315.0	101.89	80.82	72.28	66.25	59.81	55.19	50.74	46.12	42.49
360.0	130.91	89.36	78.13	71.10	65.19	59.05	54.25	49.22	46.47

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	41.84	38.86	35.52	33.18	31.19	28.85	27.51	26.28	24.93
45.0	47.23	43.48	40.26	37.57	34.35	32.30	30.26	28.50	27.10
90.0	43.77	39.80	37.04	34.53	31.84	29.90	28.21	26.45	25.16
135.0	46.64	42.31	39.44	36.87	34.35	31.84	29.96	28.38	27.04
180.0	43.72	40.67	37.86	34.82	32.71	30.78	28.79	27.39	25.81
225.0	38.16	35.70	33.36	31.02	29.14	27.62	26.34	24.81	23.88
270.0	40.85	38.04	35.52	33.24	30.96	29.20	27.27	25.98	24.81
315.0	39.39	36.75	33.88	31.95	30.14	28.50	26.80	25.69	24.58
360.0	41.84	38.86	35.52	33.18	31.19	28.85	27.51	26.28	24.93

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.11	23.29	22.65	22.24	21.65	21.19	20.83	20.25	19.31
45.0	25.52	24.40	23.35	22.53	22.12	21.71	21.19	20.78	20.31
90.0	24.17	23.35	22.47	22.00	21.77	21.30	20.78	20.48	19.55
135.0	25.63	24.76	23.94	23.12	22.77	22.36	21.65	21.24	20.72
180.0	24.87	23.99	23.06	22.65	22.30	21.71	21.19	20.89	19.90
225.0	23.06	22.18	21.77	21.42	20.89	20.60	20.25	19.20	18.43
270.0	23.70	22.82	22.06	21.65	21.30	20.83	20.48	20.31	19.31
315.0	23.53	22.77	22.12	21.77	21.24	20.83	20.54	19.78	18.84
360.0	24.11	23.29	22.65	22.24	21.65	21.19	20.83	20.25	19.31

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.55	17.73	16.68	15.98	15.27	14.63	14.75	15.86	16.68
45.0	19.25	18.55	17.91	16.74	15.98	15.39	14.63	13.87	13.40
90.0	18.49	17.79	16.62	15.80	15.27	14.51	13.75	13.34	12.99
135.0	19.66	18.90	18.08	17.09	16.27	15.57	14.81	14.22	13.81
180.0	19.02	18.20	17.15	16.44	15.80	14.98	15.04	16.21	17.21
225.0	17.73	16.50	15.86	15.27	14.51	13.87	13.40	12.99	12.64
270.0	18.43	17.85	16.68	15.98	15.39	14.51	13.99	13.34	13.05
315.0	18.32	17.21	16.39	15.80	15.16	14.34	14.05	14.16	14.92
360.0	18.55	17.73	16.68	15.98	15.27	14.63	14.75	15.86	16.68

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.91	16.80	16.56	16.56	16.21	15.80	15.45	14.86	14.22
45.0	12.99	12.58	12.29	11.94	11.70	11.47	11.18	11.00	10.77
90.0	12.70	12.47	12.58	12.76	12.99	12.99	12.87	12.41	11.82
135.0	13.75	14.28	15.04	15.98	16.21	16.33	16.39	15.86	15.45
180.0	18.02	18.14	17.85	17.91	17.73	17.09	16.80	15.92	15.33
225.0	12.29	12.06	11.70	11.53	11.24	10.94	10.71	10.53	10.30
270.0	12.82	12.93	13.05	13.34	13.46	13.46	13.34	12.93	12.29
315.0	16.04	16.80	16.68	16.97	16.97	16.44	16.44	15.45	14.40
360.0	16.91	16.80	16.56	16.56	16.21	15.80	15.45	14.86	14.22

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.46	10.94	9.83	9.66	9.42	9.31	9.01	8.84	8.84
45.0	10.59	10.30	10.07	9.83	9.60	9.42	9.19	9.01	8.78
90.0	11.06	10.18	9.77	9.60	9.36	9.13	8.95	8.78	8.72
135.0	14.57	12.82	10.89	9.95	9.66	9.31	9.01	8.90	8.84
180.0	13.93	10.71	9.89	9.66	9.42	9.07	8.95	8.78	8.72
225.0	10.07	9.89	9.66	9.36	9.07	8.90	8.84	8.66	8.72
270.0	11.18	10.36	9.83	9.60	9.36	9.13	8.90	8.78	8.60
315.0	12.64	10.36	9.83	9.48	9.36	9.07	8.90	8.84	8.66
360.0	13.46	10.94	9.83	9.66	9.42	9.31	9.01	8.84	8.84

Intensity data(cd)

C/γ(°)	90.0
0.0	8.66
45.0	8.66
90.0	8.66
135.0	8.66
180.0	8.72
225.0	8.66
270.0	8.78
315.0	8.72
360.0	8.66