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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.411.00
Report No: 2024408-B006
Ballast type: AC

Test No: 2024408-C006	Voltage(V): 34.870
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 13.982
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2015.66, Efficiency(%): 84.76% , Luminous Efficacy(lm/W): 144.16
Central intensity(cd): 12359.080, Maximum intensity(cd): 12359.080
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=16.8
[C90/270]Total=16.8
Field angle(10%Imax): [C0/180]Total=41.0
[C90/270]Total=41.0
Maximum s/h(1/2): C0_180=0.29 C90_270=0.29
Maximum s/h(1/4): C0_180=0.30 C90_270=0.30
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.76%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.018%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12359.074	0.000	0	0.00%	0.00%
1.0	12072.336	11.690	11.69	0.49%	0.58%
2.0	11871.465	34.366	46.056	1.45%	2.28%
3.0	11452.444	55.783	101.84	2.35%	5.05%
4.0	10756.465	74.340	176.18	3.13%	8.74%
5.0	9859.095	88.687	264.867	3.73%	13.14%
6.0	8782.940	97.969	362.836	4.12%	18.00%
7.0	7664.648	102.090	464.926	4.29%	23.07%
8.0	6529.165	101.582	566.508	4.27%	28.11%
9.0	5532.966	97.757	664.265	4.11%	32.96%
10.0	4626.379	91.938	756.203	3.87%	37.52%
11.0	3861.490	84.811	841.015	3.57%	41.72%
12.0	3263.024	77.881	918.896	3.28%	45.59%
13.0	2861.267	72.680	991.576	3.06%	49.19%
14.0	2654.390	70.600	1062.176	2.97%	52.70%
15.0	2269.993	67.604	1129.78	2.84%	56.05%
16.0	1932.106	61.573	1191.352	2.59%	59.10%
17.0	1754.051	57.403	1248.756	2.41%	61.95%
18.0	1597.796	55.265	1304.02	2.32%	64.69%
19.0	1419.083	52.488	1356.508	2.21%	67.30%
20.0	1268.270	49.186	1405.694	2.07%	69.74%
21.0	1198.468	47.366	1453.06	1.99%	72.09%
22.0	1105.139	46.292	1499.352	1.95%	74.39%
23.0	1011.693	44.417	1543.769	1.87%	76.59%
24.0	941.861	42.712	1586.481	1.80%	78.71%
25.0	883.660	41.508	1627.989	1.75%	80.77%
26.0	822.263	40.269	1668.258	1.69%	82.76%
27.0	749.234	38.447	1706.705	1.62%	84.67%
28.0	664.874	35.802	1742.507	1.51%	86.45%
29.0	574.771	32.433	1774.94	1.36%	88.06%
30.0	491.596	28.792	1803.731	1.21%	89.49%
31.0	404.939	24.949	1828.681	1.05%	90.72%
32.0	316.453	20.667	1849.348	0.87%	91.75%
33.0	256.285	16.873	1866.221	0.71%	92.59%
34.0	209.569	14.098	1880.319	0.59%	93.29%
35.0	147.638	11.094	1891.412	0.47%	93.84%
36.0	107.616	8.127	1899.54	0.34%	94.24%
37.0	95.779	6.634	1906.173	0.28%	94.57%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	86.204	6.074	1912.248	0.26%	94.87%
39.0	76.774	5.563	1917.81	0.23%	95.15%
40.0	69.122	5.088	1922.899	0.21%	95.40%
41.0	61.712	4.659	1927.558	0.20%	95.63%
42.0	55.450	4.257	1931.814	0.18%	95.84%
43.0	49.912	3.903	1935.717	0.16%	96.03%
44.0	45.157	3.588	1939.306	0.15%	96.21%
45.0	40.936	3.309	1942.614	0.14%	96.38%
46.0	37.462	3.066	1945.68	0.13%	96.53%
47.0	34.499	2.862	1948.542	0.12%	96.67%
48.0	31.939	2.686	1951.228	0.11%	96.80%
49.0	29.576	2.526	1953.754	0.11%	96.93%
50.0	27.652	2.386	1956.14	0.10%	97.05%
51.0	26.035	2.271	1958.412	0.10%	97.16%
52.0	24.550	2.171	1960.582	0.09%	97.27%
53.0	23.233	2.079	1962.661	0.09%	97.37%
54.0	22.187	2.002	1964.663	0.08%	97.47%
55.0	21.273	1.940	1966.603	0.08%	97.57%
56.0	20.498	1.887	1968.49	0.08%	97.66%
57.0	19.868	1.846	1970.336	0.08%	97.75%
58.0	19.320	1.812	1972.148	0.08%	97.84%
59.0	18.903	1.787	1973.935	0.08%	97.93%
60.0	18.559	1.770	1975.705	0.07%	98.02%
61.0	18.237	1.756	1977.461	0.07%	98.10%
62.0	17.923	1.742	1979.203	0.07%	98.19%
63.0	17.527	1.724	1980.927	0.07%	98.28%
64.0	17.089	1.699	1982.626	0.07%	98.36%
65.0	16.503	1.662	1984.288	0.07%	98.44%
66.0	15.845	1.614	1985.902	0.07%	98.52%
67.0	15.172	1.560	1987.462	0.07%	98.60%
68.0	14.514	1.504	1988.966	0.06%	98.68%
69.0	13.958	1.452	1990.418	0.06%	98.75%
70.0	13.592	1.415	1991.833	0.06%	98.82%
71.0	13.350	1.393	1993.226	0.06%	98.89%
72.0	13.160	1.378	1994.604	0.06%	98.96%
73.0	13.036	1.370	1995.974	0.06%	99.02%
74.0	12.912	1.364	1997.338	0.06%	99.09%
75.0	12.773	1.357	1998.695	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.641	1.349	2000.044	0.06%	99.23%
77.0	12.334	1.332	2001.376	0.06%	99.29%
78.0	12.121	1.309	2002.685	0.06%	99.36%
79.0	11.705	1.280	2003.965	0.05%	99.42%
80.0	11.339	1.242	2005.207	0.05%	99.48%
81.0	10.834	1.199	2006.406	0.05%	99.54%
82.0	10.307	1.146	2007.553	0.05%	99.60%
83.0	9.832	1.095	2008.648	0.05%	99.65%
84.0	9.620	1.060	2009.707	0.04%	99.70%
85.0	9.400	1.038	2010.745	0.04%	99.76%
86.0	9.181	1.016	2011.761	0.04%	99.81%
87.0	8.998	0.995	2012.756	0.04%	99.86%
88.0	8.881	0.979	2013.735	0.04%	99.90%
89.0	8.727	0.965	2014.7	0.04%	99.95%
90.0	8.734	0.957	2015.658	0.04%	100.00%

Zonal flux distribution table

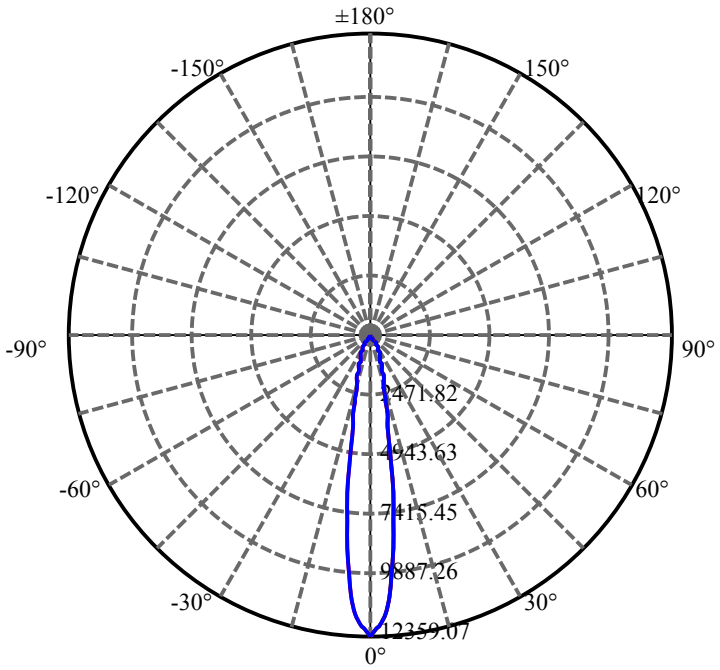
ZONAL LUMEN SUMMARY

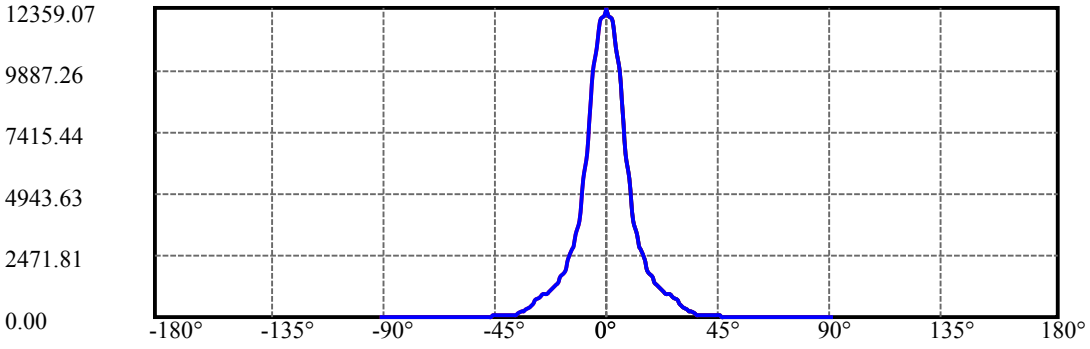
Zone	Lumens	%Lamp	%Fixt
0-30	1803.73	75.85%	89.49%
0-40	1922.90	80.86%	95.40%
0-60	1975.70	83.08%	98.02%
0-90	2014.70	84.72%	99.95%
0-120	2014.70	84.72%	99.95%
0-180	2015.66	84.76%	100.00%
60-90	39.00	1.64%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.63	1612.53	67.81%	80.00%

ZONAL LUMEN SUMMARY

0-10	756.20
10-20	649.49
20-30	398.04
30-40	119.17
40-50	33.24
50-60	19.56
60-70	16.13
70-80	13.37
80-90	9.49
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):

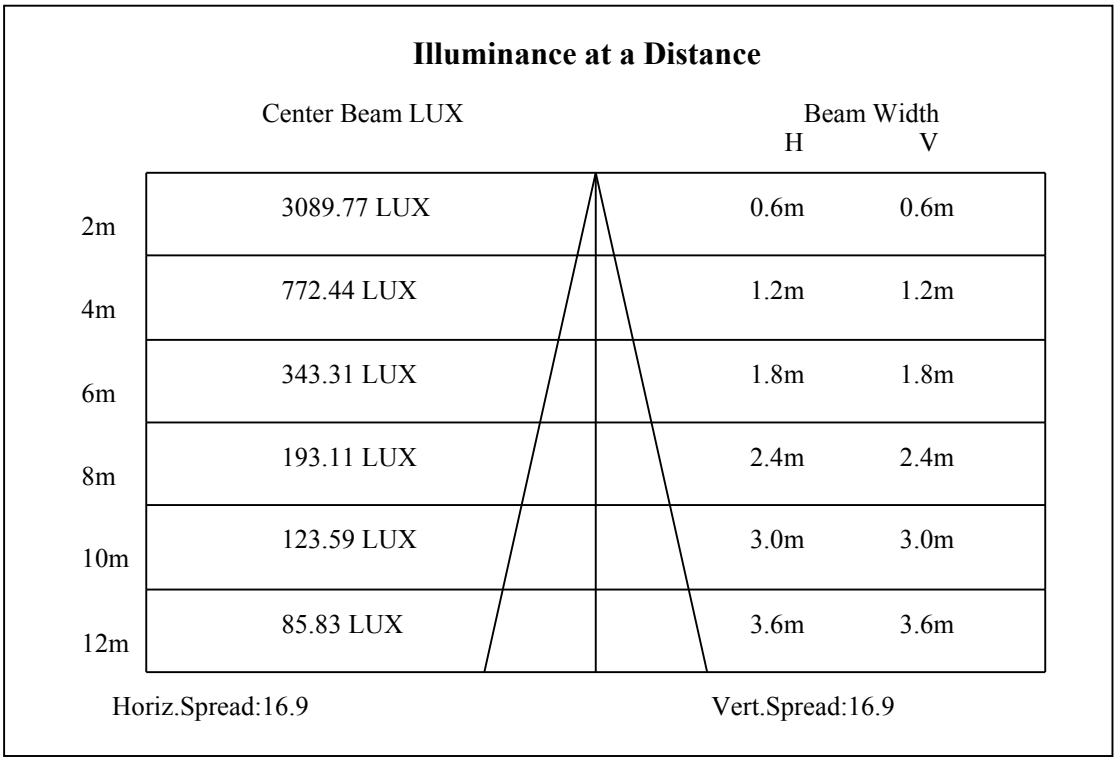
C0/C180:

C90/C270:

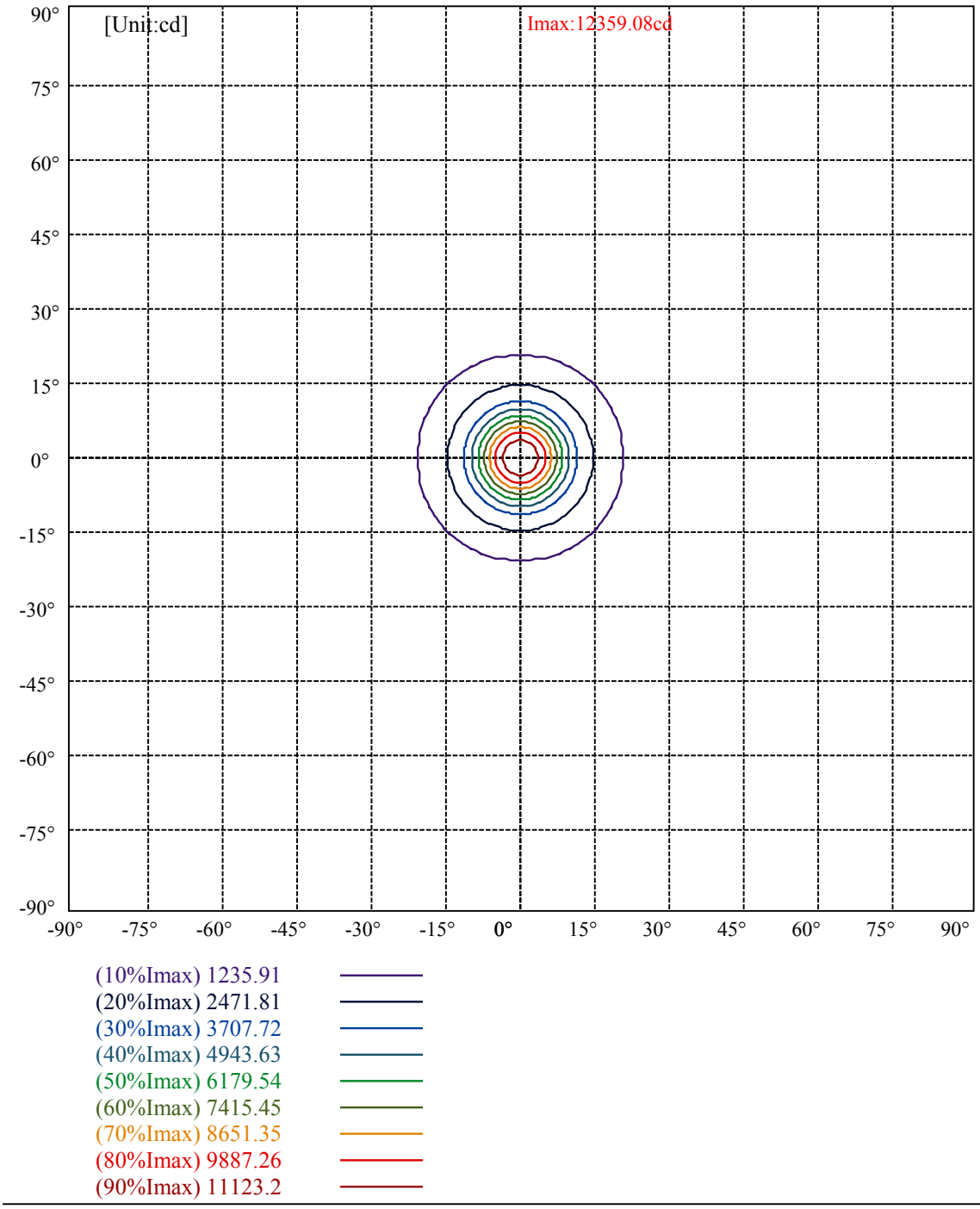
Field angle(10%Imax):C0/180Left:20.5 Right:20.5
:C90/270Left:20.5 Right:20.5

Beam Angle(50%Imax):C0/180Left:8.4 Right:8.4
:C90/270Left:8.4 Right:8.4

Lux distance Curve



ISO-Intensity(V-H)

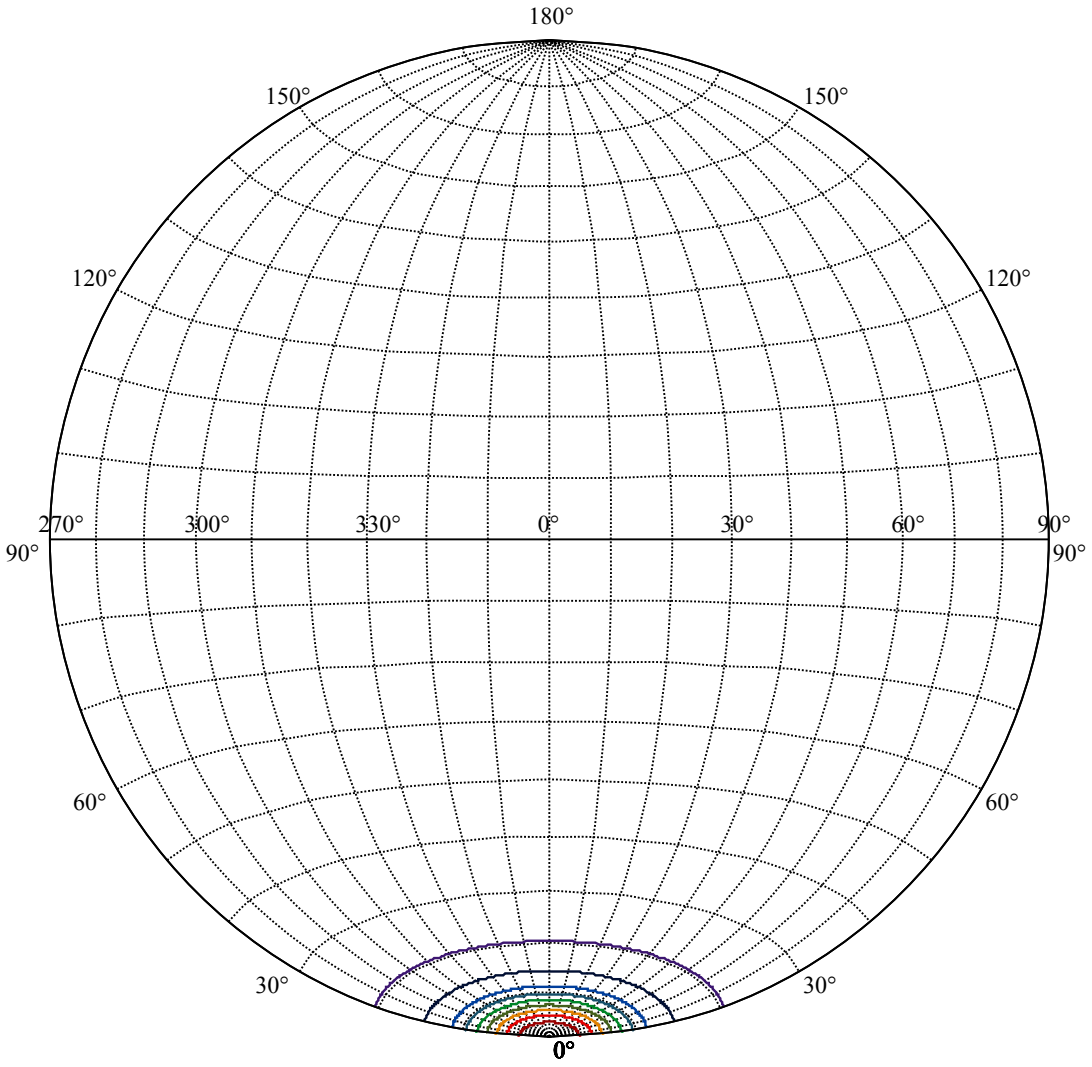


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



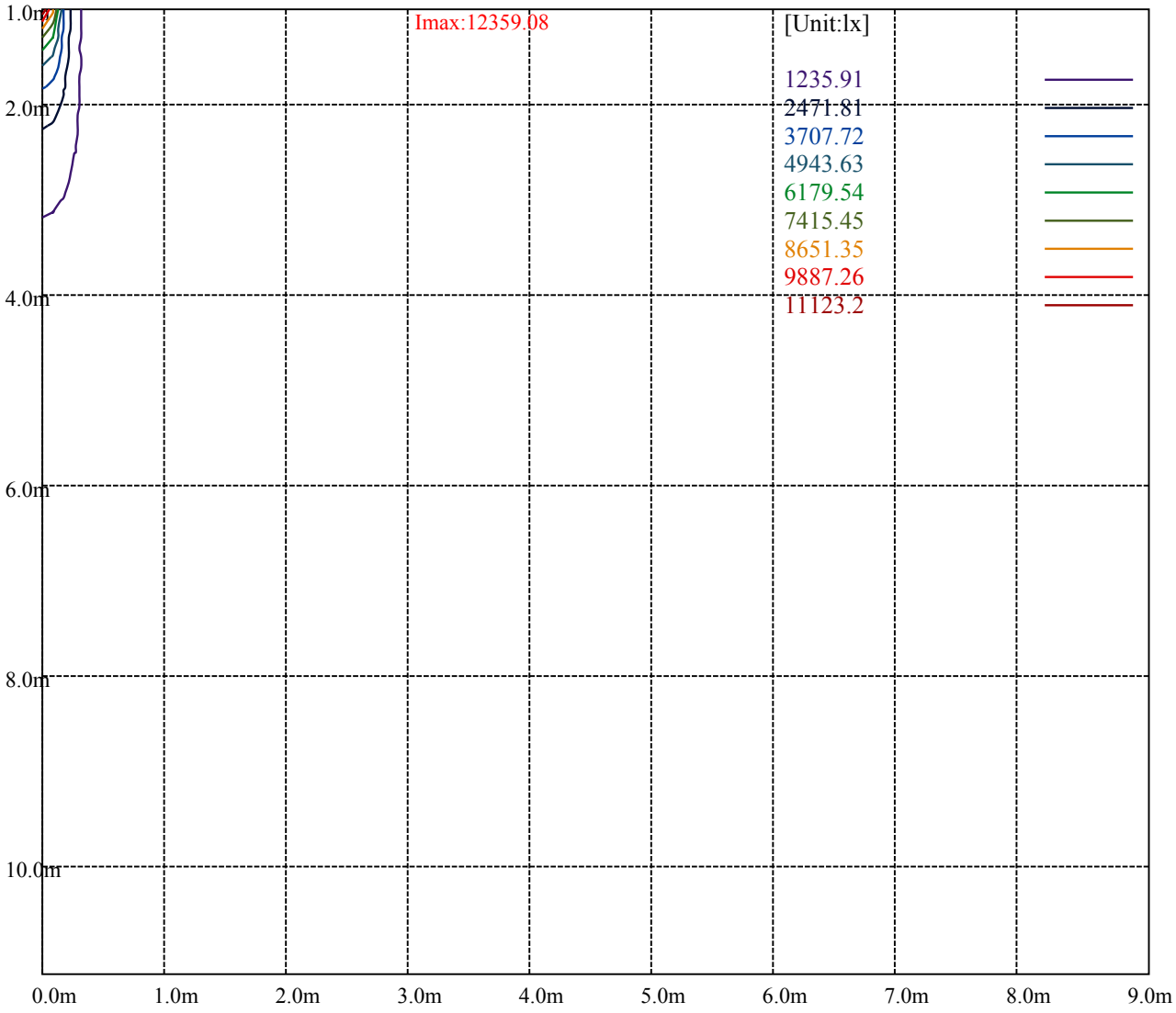
[Unit:cd]

Imax:12359.08

(10%Imax) 1235.91
(20%Imax) 2471.81
(30%Imax) 3707.72
(40%Imax) 4943.63
(50%Imax) 6179.54
(60%Imax) 7415.45
(70%Imax) 8651.35
(80%Imax) 9887.26
(90%Imax) 11123.2

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

Luminance Limitting Curve(no luminous side)

Luminance Table

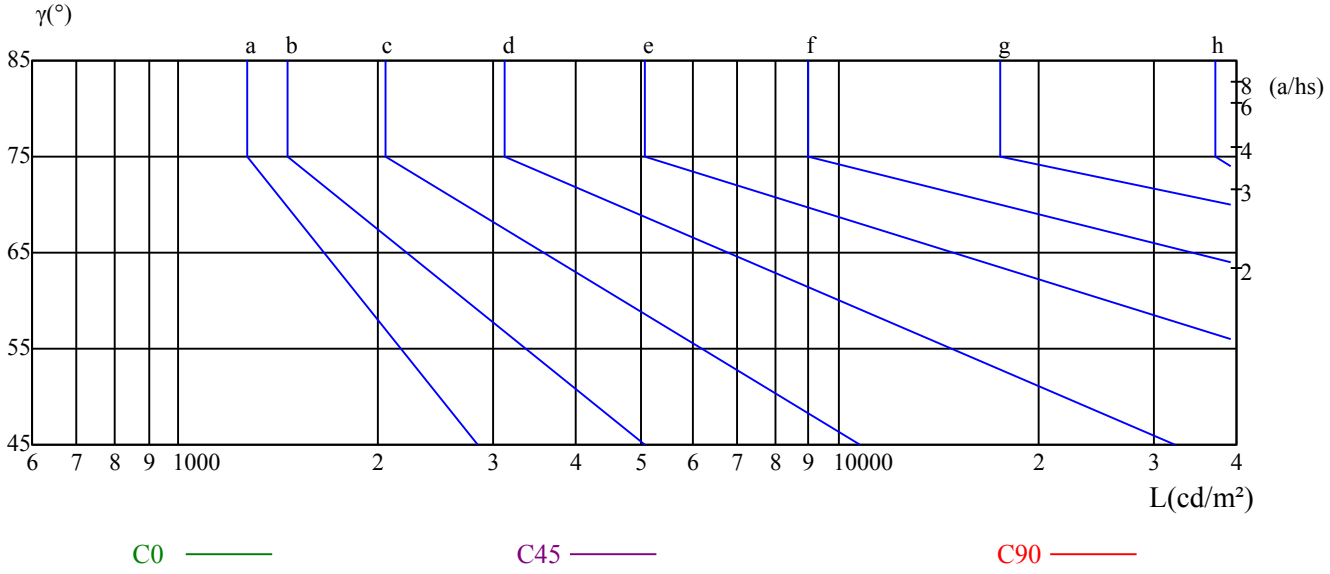
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

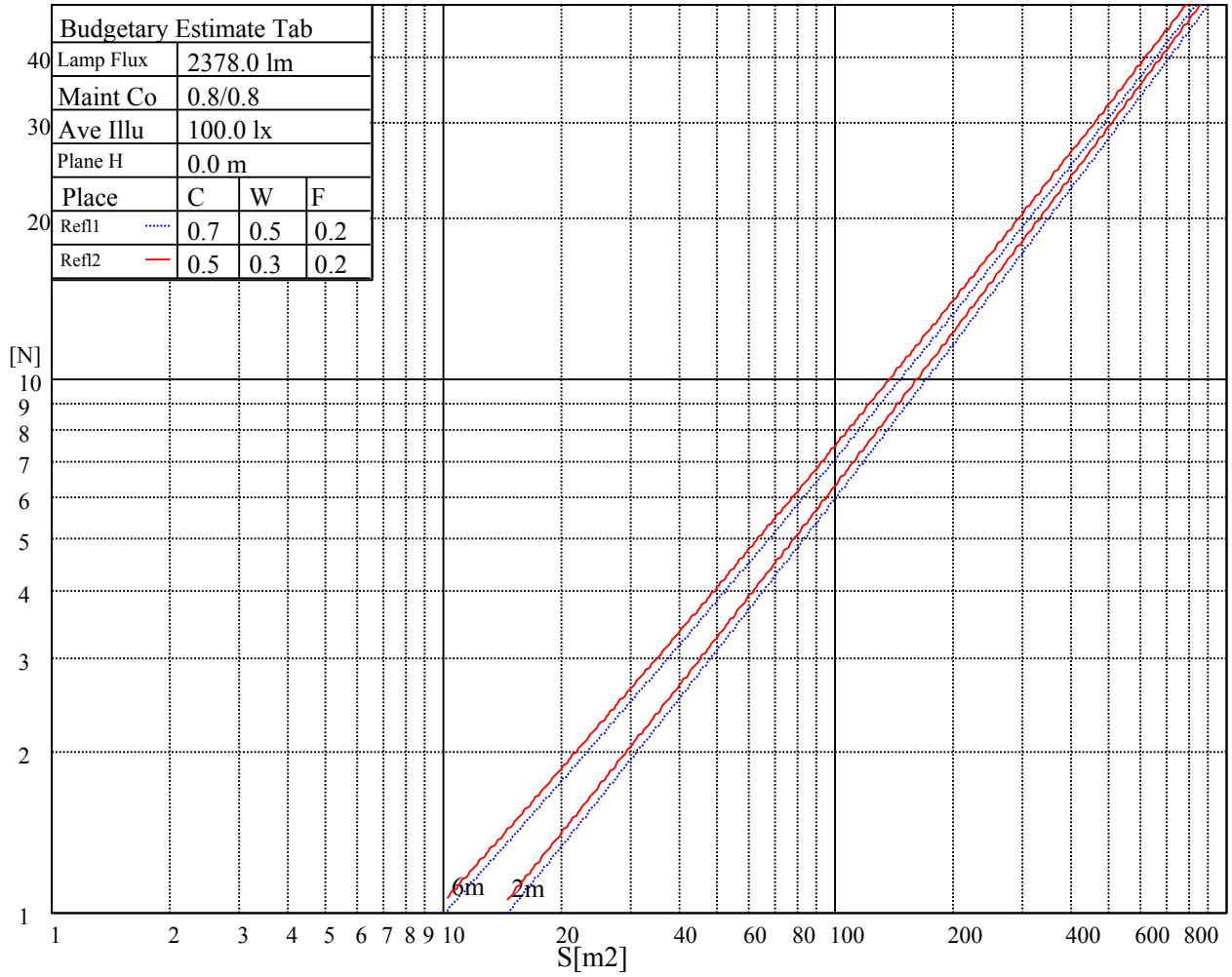
Date: 2024/4/08
Humidity(%): 60.0%

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

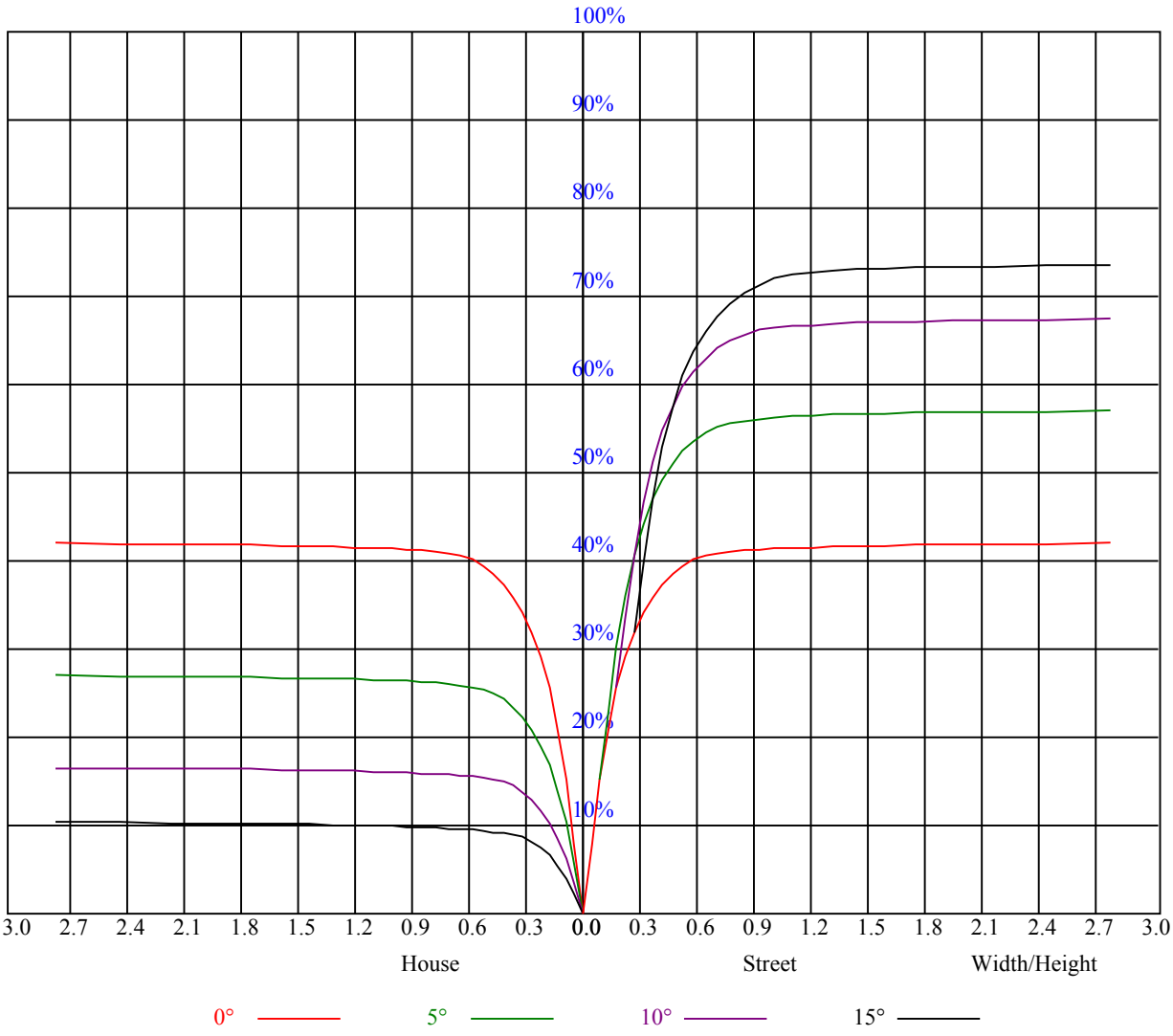


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

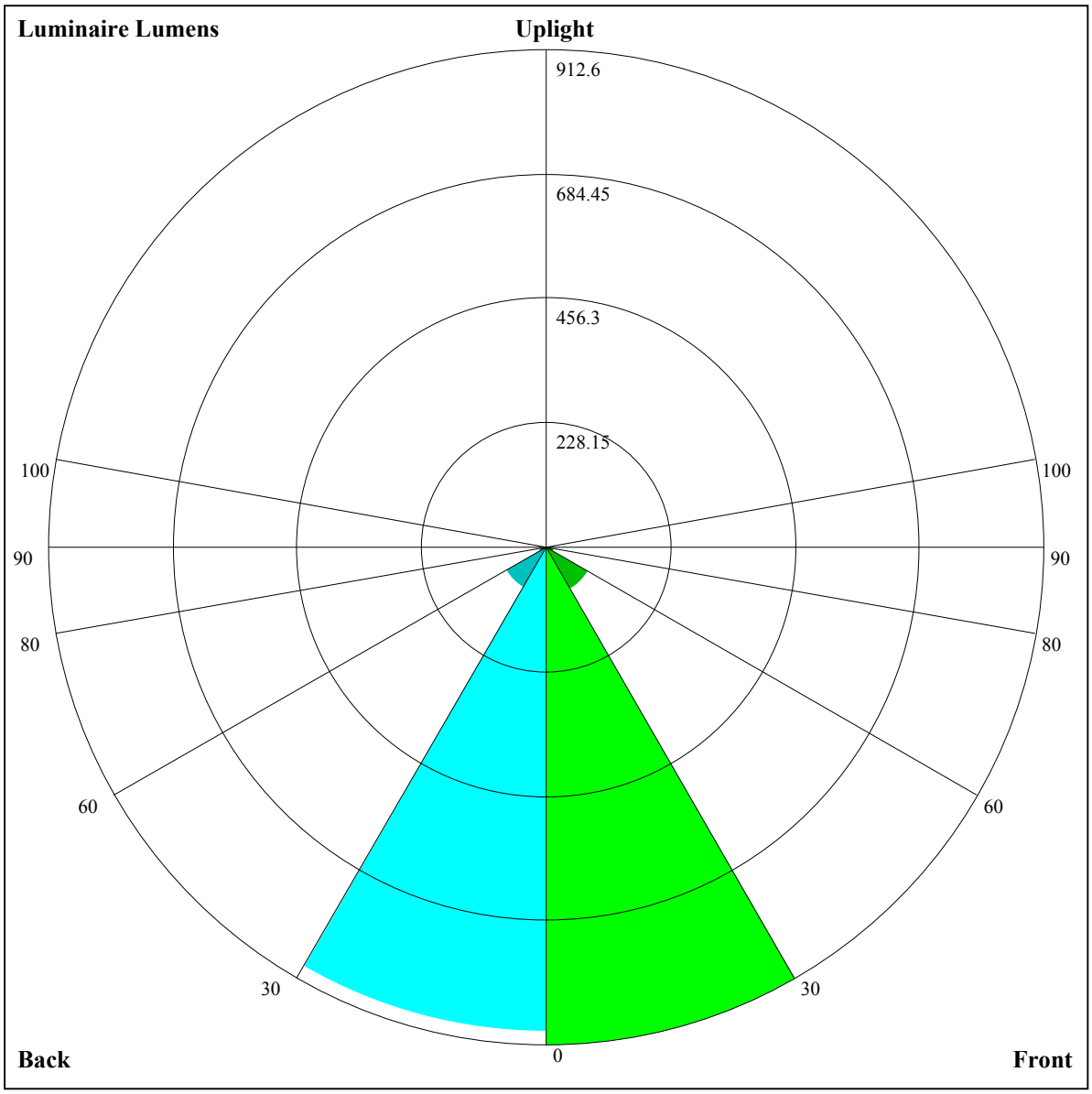
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.78
3	0.86	0.82	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.76	0.74	0.73	0.72
5	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.67
7	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
8	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
9	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
10	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.65	0.62	0.60	0.59

Coefficient Utilization Curve



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

LCS Graph



Luminaire Lumens:
FL=912.6,FM=88.79,FH=14.57,FVH=5.21
BL=888.77,BM=84.7,BH=14.8,BVH=5.26
UL=0,UH=0

BUG Rating:B2-U0-G0

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

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	12421.99	12316.65	11634.33	11485.68	10821.45	9982.83	8760.88	7699.86	6647.04
45.0	12234.71	12416.13	12310.79	12006.48	11403.69	10713.13	9864.55	8635.58	7582.18
90.0	12381.02	11632.58	11632.58	11187.80	10490.22	9353.12	8351.80	7311.27	6296.49
135.0	12398.58	12357.61	12111.82	11702.16	10923.81	10127.90	9197.40	8167.40	6885.76
180.0	12421.99	12322.50	11942.10	11456.36	10789.21	9741.66	8752.63	7675.81	6400.02
225.0	12234.71	11584.59	11584.59	10757.66	9911.43	8920.64	7831.54	6493.13	5495.32
270.0	12381.02	12381.02	12187.90	11754.83	11181.31	10426.37	9238.36	8155.70	6815.53
315.0	12398.58	11567.62	11567.62	11268.57	10530.60	9607.11	8266.36	7178.43	6110.98
360.0	12421.99	12316.65	11634.33	11485.68	10821.45	9982.83	8760.88	7699.86	6647.04

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5656.84	4565.40	3857.28	3180.17	2767.00	2447.47	2126.18	1919.60	1750.47
45.0	6563.88	5592.41	4533.15	3848.44	3304.18	2970.60	2970.60	2187.04	1967.00
90.0	5135.41	4343.01	3703.95	3197.73	2703.80	2398.31	2088.14	1879.80	1708.33
135.0	5914.28	5018.89	4252.24	3503.16	3034.98	3034.98	2627.72	2063.56	1864.59
180.0	5434.40	4574.12	3713.84	3187.14	2964.75	2964.75	2117.40	1910.82	1738.76
225.0	4616.31	3902.92	3213.53	2791.00	2454.49	2127.35	1912.57	1700.72	1554.42
270.0	5803.09	4866.73	4094.23	3356.85	3005.72	3005.72	2267.81	1983.39	1797.28
315.0	5139.50	4147.55	3523.70	3039.72	2655.22	2285.95	2049.52	1811.92	1651.56
360.0	5656.84	4565.40	3857.28	3180.17	2767.00	2447.47	2126.18	1919.60	1750.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1601.82	1449.08	1146.40	1146.40	1120.76	1008.93	944.08	890.54	838.39
45.0	1781.48	1594.21	1468.39	1326.18	1220.25	1120.76	1014.84	950.46	896.04
90.0	1531.59	1408.11	1156.46	1156.46	1060.49	987.63	927.87	876.14	801.17
135.0	1701.89	1532.76	1412.79	1275.85	1169.34	1076.87	983.82	927.05	870.87
180.0	1586.60	1428.01	1315.06	1213.82	1114.91	1008.99	943.44	876.73	821.13
225.0	1427.42	1154.71	1154.71	1079.68	993.01	911.25	859.40	805.97	739.49
270.0	1635.76	1490.63	1340.22	1237.22	1104.38	1008.99	945.78	876.73	826.98
315.0	1515.79	1295.16	1152.13	1152.13	1057.97	970.13	915.64	865.66	784.03
360.0	1601.82	1449.08	1146.40	1146.40	1120.76	1008.93	944.08	890.54	838.39

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	757.87	682.02	576.86	489.72	402.99	300.04	228.35	170.42	130.10
45.0	839.86	749.73	668.39	588.21	505.11	404.45	324.86	305.55	305.55
90.0	725.56	645.97	547.36	469.58	391.98	297.29	224.38	163.98	117.05
135.0	804.74	704.08	619.23	536.12	453.61	352.95	295.01	295.01	139.69
180.0	753.24	661.95	578.26	482.87	397.43	312.57	312.57	162.34	125.71
225.0	644.10	565.80	483.10	403.57	306.83	235.96	161.87	124.48	106.28
270.0	762.61	685.94	584.70	505.69	426.69	350.61	311.98	311.98	139.81
315.0	705.90	623.50	540.28	457.00	354.88	277.75	191.25	142.79	116.93
360.0	757.87	682.02	576.86	489.72	402.99	300.04	228.35	170.42	130.10

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	105.75	95.39	85.85	75.26	67.77	60.98	53.67	48.52	44.07
45.0	125.41	104.35	91.59	82.52	74.67	65.55	59.11	53.49	47.40
90.0	101.19	91.59	82.46	72.33	65.08	58.58	52.85	46.70	42.49
135.0	113.48	100.66	89.07	80.59	73.04	64.43	58.52	53.20	48.57
180.0	104.17	94.86	86.38	77.07	69.99	63.38	56.06	50.91	46.47
225.0	94.34	85.97	78.30	70.99	62.44	56.47	51.32	46.58	41.67
270.0	114.29	100.19	91.24	80.76	72.92	64.02	57.76	52.09	47.17
315.0	102.30	93.23	84.74	74.67	67.07	60.28	54.31	47.81	43.42
360.0	105.75	95.39	85.85	75.26	67.77	60.98	53.67	48.52	44.07

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	40.26	36.23	33.53	31.25	29.20	27.04	25.63	24.40	23.06
45.0	43.25	39.62	36.52	33.07	30.78	28.79	26.92	25.05	23.76
90.0	38.86	35.05	32.48	30.26	27.86	26.22	24.40	23.23	22.18
135.0	43.54	40.03	37.04	34.35	31.43	29.38	27.56	25.69	24.40
180.0	41.61	38.39	35.46	32.48	30.37	28.62	27.04	25.63	24.05
225.0	38.33	35.46	32.42	30.31	28.44	26.39	24.99	23.76	22.41
270.0	41.96	38.51	35.46	32.95	30.14	28.15	26.57	25.05	23.47
315.0	39.68	36.40	33.07	30.84	28.38	26.63	25.16	23.58	22.53
360.0	40.26	36.23	33.53	31.25	29.20	27.04	25.63	24.40	23.06

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.24	21.30	20.60	20.01	19.55	19.02	18.73	18.43	18.14
45.0	22.41	21.48	20.72	19.96	19.43	19.02	18.67	18.32	18.08
90.0	21.30	20.37	19.78	19.25	18.84	18.49	18.20	17.97	17.67
135.0	23.12	22.24	21.42	20.78	20.07	19.66	19.25	18.96	18.55
180.0	23.00	21.89	21.13	20.48	19.78	19.37	18.96	18.55	18.14
225.0	21.48	20.72	20.01	19.31	18.90	18.49	18.20	17.79	17.50
270.0	22.36	21.42	20.42	19.78	19.08	18.61	18.32	17.97	17.62
315.0	21.59	20.78	19.90	19.37	18.90	18.55	18.14	17.91	17.67
360.0	22.24	21.30	20.60	20.01	19.55	19.02	18.73	18.43	18.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.73	17.32	16.74	16.21	15.33	14.75	14.05	13.69	13.40
45.0	17.79	17.44	16.91	16.39	15.80	14.98	14.34	13.87	13.34
90.0	17.26	16.80	16.15	15.51	14.86	14.16	13.69	13.28	12.87
135.0	18.26	17.85	17.32	16.62	15.86	15.04	14.51	14.05	13.58
180.0	17.79	17.32	16.56	15.98	15.33	14.69	14.16	14.22	14.57
225.0	16.91	16.39	15.74	14.98	14.34	13.81	13.28	12.87	12.58
270.0	17.32	16.85	16.39	15.68	15.04	14.46	13.93	13.34	12.99
315.0	17.15	16.74	16.21	15.39	14.81	14.22	13.69	13.40	13.46
360.0	17.73	17.32	16.74	16.21	15.33	14.75	14.05	13.69	13.40

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.99	12.64	12.41	12.06	11.76	11.47	11.24	10.89	10.59
45.0	12.93	12.52	12.29	12.00	11.76	11.47	11.24	11.00	10.77
90.0	12.52	12.29	12.17	12.23	12.23	12.29	12.11	11.82	11.41
135.0	13.28	13.40	13.87	14.46	14.69	14.40	14.51	14.10	13.87
180.0	14.86	14.86	14.46	14.16	13.93	13.46	13.05	12.35	11.88
225.0	12.23	11.94	11.70	11.41	11.18	10.94	10.65	10.42	10.24
270.0	12.70	12.70	12.58	12.35	12.35	12.00	11.76	11.24	10.83
315.0	13.75	13.93	13.81	13.52	13.23	12.64	12.41	11.82	11.12
360.0	12.99	12.64	12.41	12.06	11.76	11.47	11.24	10.89	10.59

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	10.12	9.83	9.66	9.48	9.31	9.07	8.90	8.78
45.0	10.48	10.24	10.07	9.83	9.60	9.42	9.19	9.01	8.90
90.0	10.65	10.12	9.77	9.54	9.31	9.07	8.95	8.90	8.66
135.0	13.17	11.94	10.12	9.77	9.54	9.19	9.01	8.90	8.72
180.0	10.94	10.18	9.83	9.60	9.36	9.07	8.95	8.90	8.66
225.0	10.07	9.83	9.60	9.48	9.19	9.01	8.90	8.72	8.72
270.0	10.42	10.07	9.77	9.60	9.42	9.25	9.01	8.90	8.72
315.0	10.59	9.95	9.66	9.48	9.31	9.13	8.90	8.84	8.66
360.0	10.36	10.12	9.83	9.66	9.48	9.31	9.07	8.90	8.78

Intensity data(cd)

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