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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.411.00
Report No: 2024407-B016
Ballast type: AC

Test No: 2024407-C016	Voltage(V): 34.880
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2388.0	Power (W): 13.986
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1995.69, Efficiency(%): 83.57% , Luminous Efficacy(lm/W): 142.69
Central intensity(cd): 4522.531, Maximum intensity(cd): 4522.531
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.8
[C90/270]Total=36.8
Field angle(10%Imax): [C0/180]Total=64.6
[C90/270]Total=64.6
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
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(%): 83.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.186%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4522.531	0.000	0	0.00%	0.00%
1.0	4513.533	4.324	4.324	0.18%	0.22%
2.0	4499.854	12.937	17.26	0.54%	0.86%
3.0	4466.496	21.445	38.705	0.90%	1.94%
4.0	4416.532	29.734	68.439	1.25%	3.43%
5.0	4350.036	37.713	106.153	1.58%	5.32%
6.0	4249.889	45.195	151.348	1.89%	7.58%
7.0	4151.645	52.148	203.496	2.18%	10.20%
8.0	4035.478	58.594	262.089	2.45%	13.13%
9.0	3899.559	64.309	326.399	2.69%	16.36%
10.0	3747.108	69.200	395.598	2.90%	19.82%
11.0	3584.050	73.253	468.851	3.07%	23.49%
12.0	3419.236	76.556	545.407	3.21%	27.33%
13.0	3253.324	79.186	624.594	3.32%	31.30%
14.0	3067.442	80.905	705.499	3.39%	35.35%
15.0	2893.850	81.839	787.338	3.43%	39.45%
16.0	2703.432	82.016	869.354	3.43%	43.56%
17.0	2534.375	81.567	950.921	3.42%	47.65%
18.0	2335.253	80.290	1031.211	3.36%	51.67%
19.0	2157.344	78.162	1109.373	3.27%	55.59%
20.0	1959.831	75.356	1184.728	3.16%	59.36%
21.0	1795.529	72.111	1256.839	3.02%	62.98%
22.0	1625.228	68.742	1325.58	2.88%	66.42%
23.0	1415.806	63.809	1389.39	2.67%	69.62%
24.0	1253.069	58.351	1447.741	2.44%	72.54%
25.0	1159.814	54.864	1502.604	2.30%	75.29%
26.0	1054.546	52.270	1554.875	2.19%	77.91%
27.0	943.697	48.887	1603.762	2.05%	80.36%
28.0	833.331	44.991	1648.753	1.88%	82.62%
29.0	737.559	41.099	1689.852	1.72%	84.68%
30.0	644.713	37.321	1727.173	1.56%	86.55%
31.0	557.427	33.454	1760.626	1.40%	88.22%
32.0	475.078	29.580	1790.207	1.24%	89.70%
33.0	398.970	25.750	1815.956	1.08%	90.99%
34.0	333.929	22.180	1838.136	0.93%	92.11%
35.0	283.403	19.172	1857.308	0.80%	93.07%
36.0	242.510	16.745	1874.053	0.70%	93.91%
37.0	177.850	13.710	1887.763	0.57%	94.59%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	132.422	10.356	1898.119	0.43%	95.11%
39.0	102.795	8.029	1906.148	0.34%	95.51%
40.0	79.561	6.360	1912.508	0.27%	95.83%
41.0	63.863	5.107	1917.615	0.21%	96.09%
42.0	52.736	4.236	1921.851	0.18%	96.30%
43.0	44.887	3.616	1925.468	0.15%	96.48%
44.0	39.042	3.168	1928.635	0.13%	96.64%
45.0	35.070	2.848	1931.484	0.12%	96.78%
46.0	31.844	2.617	1934.1	0.11%	96.91%
47.0	29.152	2.426	1936.526	0.10%	97.04%
48.0	26.964	2.268	1938.795	0.09%	97.15%
49.0	25.106	2.138	1940.933	0.09%	97.26%
50.0	23.489	2.026	1942.959	0.08%	97.36%
51.0	22.034	1.926	1944.885	0.08%	97.45%
52.0	20.827	1.839	1946.724	0.08%	97.55%
53.0	19.744	1.765	1948.489	0.07%	97.64%
54.0	18.866	1.702	1950.191	0.07%	97.72%
55.0	18.069	1.649	1951.84	0.07%	97.80%
56.0	17.367	1.601	1953.441	0.07%	97.88%
57.0	16.745	1.560	1955.001	0.07%	97.96%
58.0	16.225	1.525	1956.525	0.06%	98.04%
59.0	15.750	1.495	1958.02	0.06%	98.11%
60.0	15.362	1.470	1959.49	0.06%	98.19%
61.0	14.982	1.448	1960.938	0.06%	98.26%
62.0	14.660	1.428	1962.366	0.06%	98.33%
63.0	14.389	1.413	1963.779	0.06%	98.40%
64.0	14.119	1.399	1965.178	0.06%	98.47%
65.0	13.848	1.384	1966.562	0.06%	98.54%
66.0	13.577	1.368	1967.93	0.06%	98.61%
67.0	13.336	1.353	1969.284	0.06%	98.68%
68.0	13.124	1.340	1970.624	0.06%	98.74%
69.0	12.933	1.329	1971.953	0.06%	98.81%
70.0	12.875	1.325	1973.279	0.06%	98.88%
71.0	12.729	1.323	1974.602	0.06%	98.94%
72.0	12.487	1.311	1975.913	0.05%	99.01%
73.0	12.231	1.293	1977.206	0.05%	99.07%
74.0	11.953	1.271	1978.477	0.05%	99.14%
75.0	11.675	1.248	1979.726	0.05%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.405	1.225	1980.951	0.05%	99.26%
77.0	11.112	1.200	1982.151	0.05%	99.32%
78.0	10.871	1.177	1983.328	0.05%	99.38%
79.0	10.600	1.154	1984.482	0.05%	99.44%
80.0	10.315	1.128	1985.609	0.05%	99.50%
81.0	10.007	1.099	1986.708	0.05%	99.55%
82.0	9.751	1.071	1987.78	0.04%	99.60%
83.0	9.561	1.050	1988.83	0.04%	99.66%
84.0	9.371	1.031	1989.861	0.04%	99.71%
85.0	9.173	1.012	1990.873	0.04%	99.76%
86.0	8.991	0.993	1991.866	0.04%	99.81%
87.0	8.837	0.976	1992.842	0.04%	99.86%
88.0	8.683	0.960	1993.801	0.04%	99.91%
89.0	8.581	0.946	1994.748	0.04%	99.95%
90.0	8.544	0.939	1995.687	0.04%	100.00%

Zonal flux distribution table

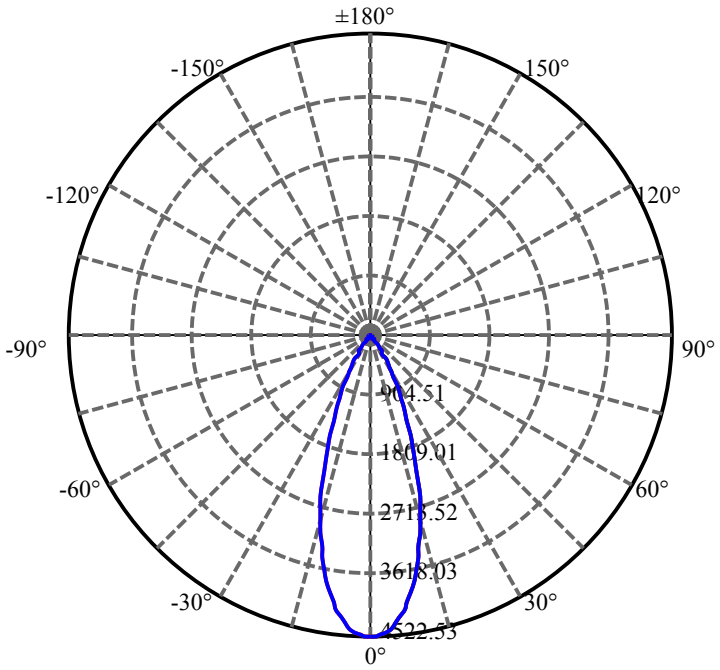
ZONAL LUMEN SUMMARY

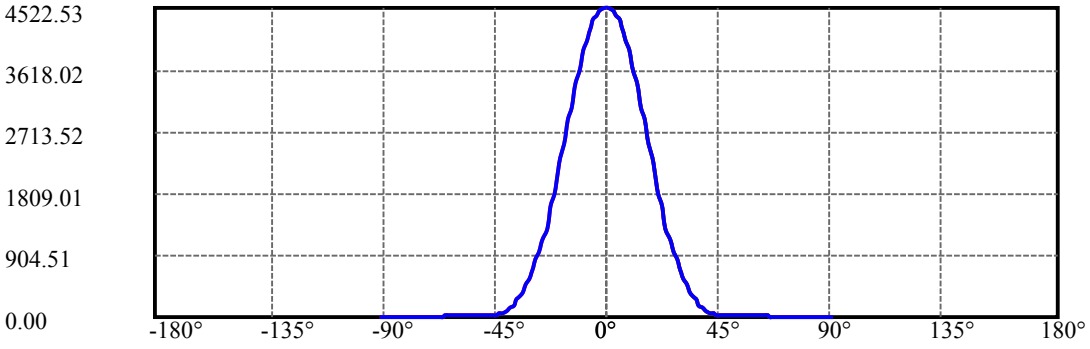
Zone	Lumens	%Lamp	%Fixt
0-30	1727.17	72.33%	86.55%
0-40	1912.51	80.09%	95.83%
0-60	1959.49	82.06%	98.19%
0-90	1994.75	83.53%	99.95%
0-120	1994.75	83.53%	99.95%
0-180	1995.69	83.57%	100.00%
60-90	35.26	1.48%	1.77%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.85	1596.55	66.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	395.60
10-20	789.13
20-30	542.44
30-40	185.34
40-50	30.45
50-60	16.53
60-70	13.79
70-80	12.33
80-90	9.14
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):

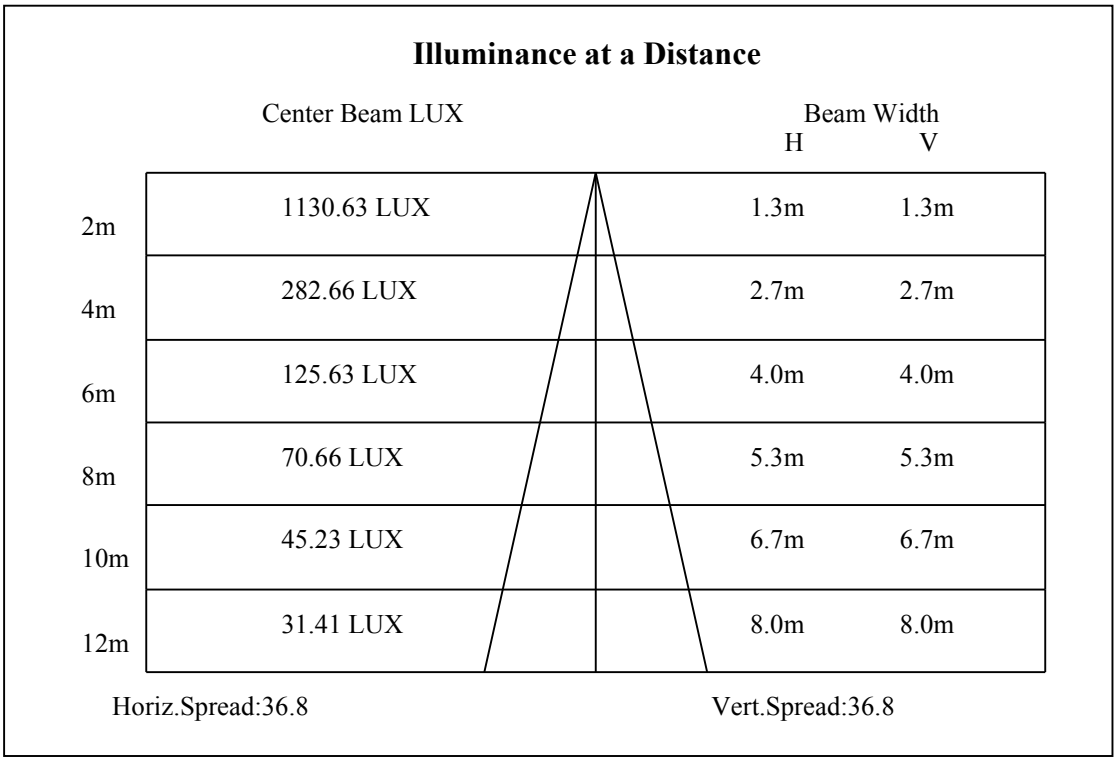
C0/C180:

C90/C270:

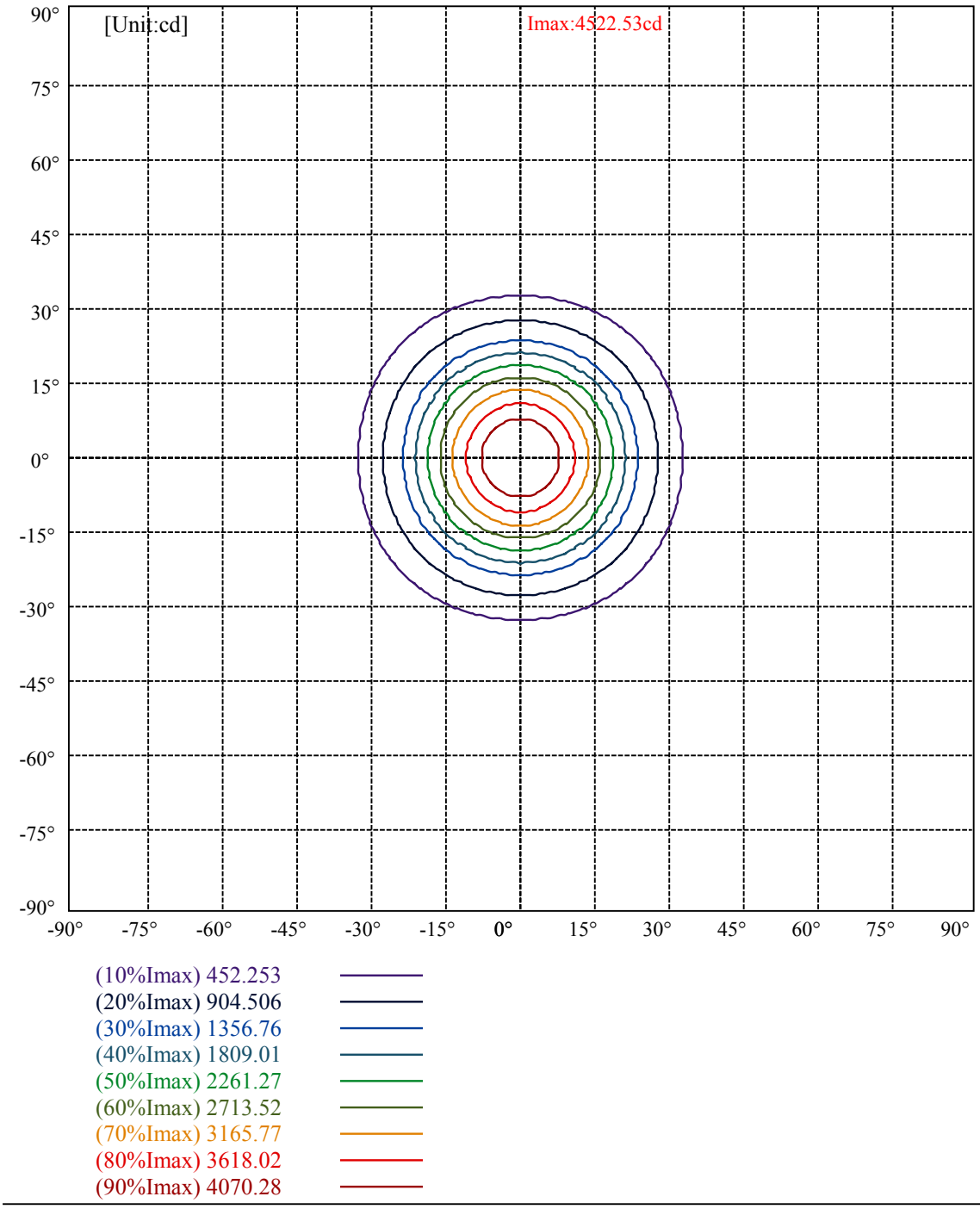
Field angle(10%Imax):C0/180Left:32.3 Right:32.3
:C90/270Left:32.3 Right:32.3

Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4

Lux distance Curve

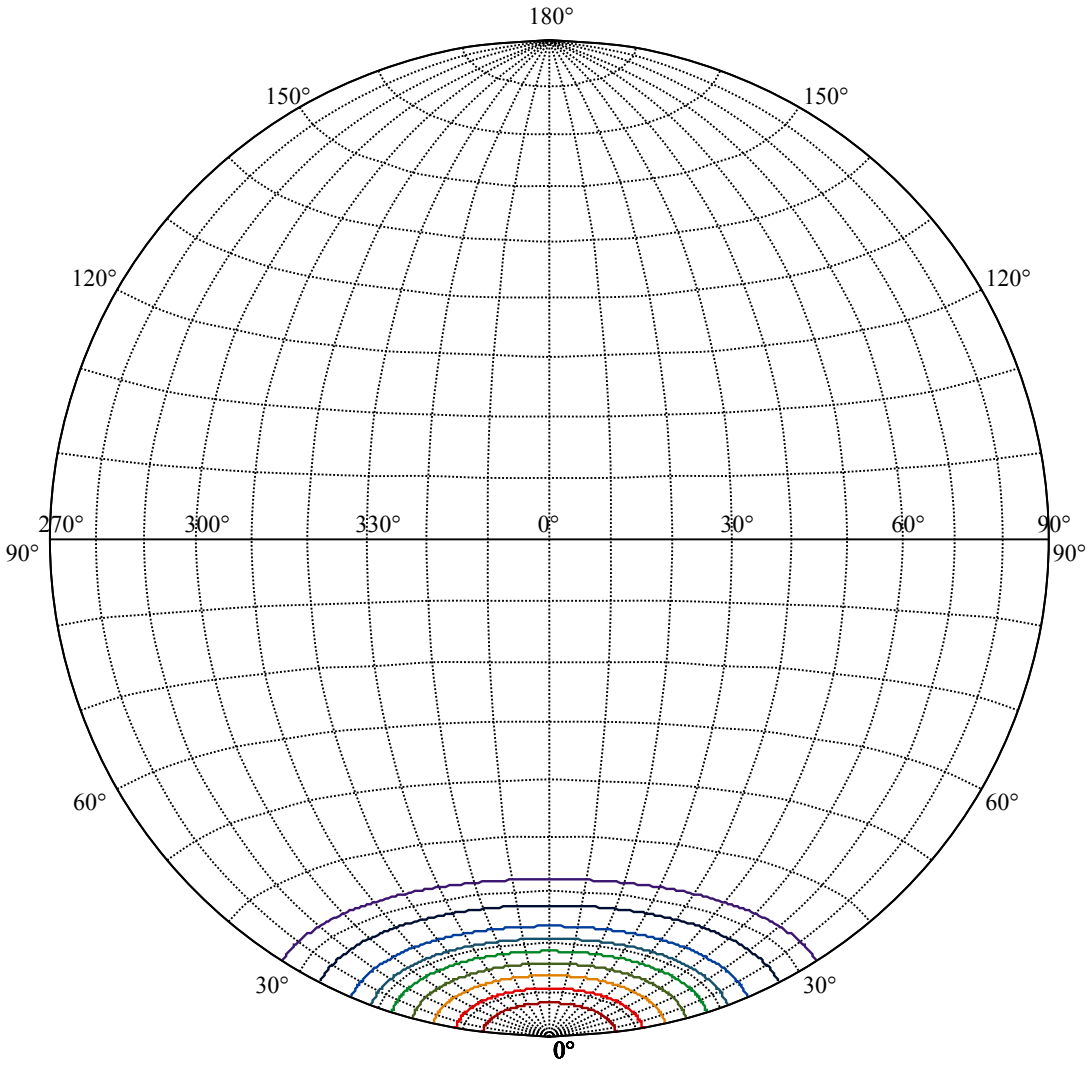


Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/4/07
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4522.53

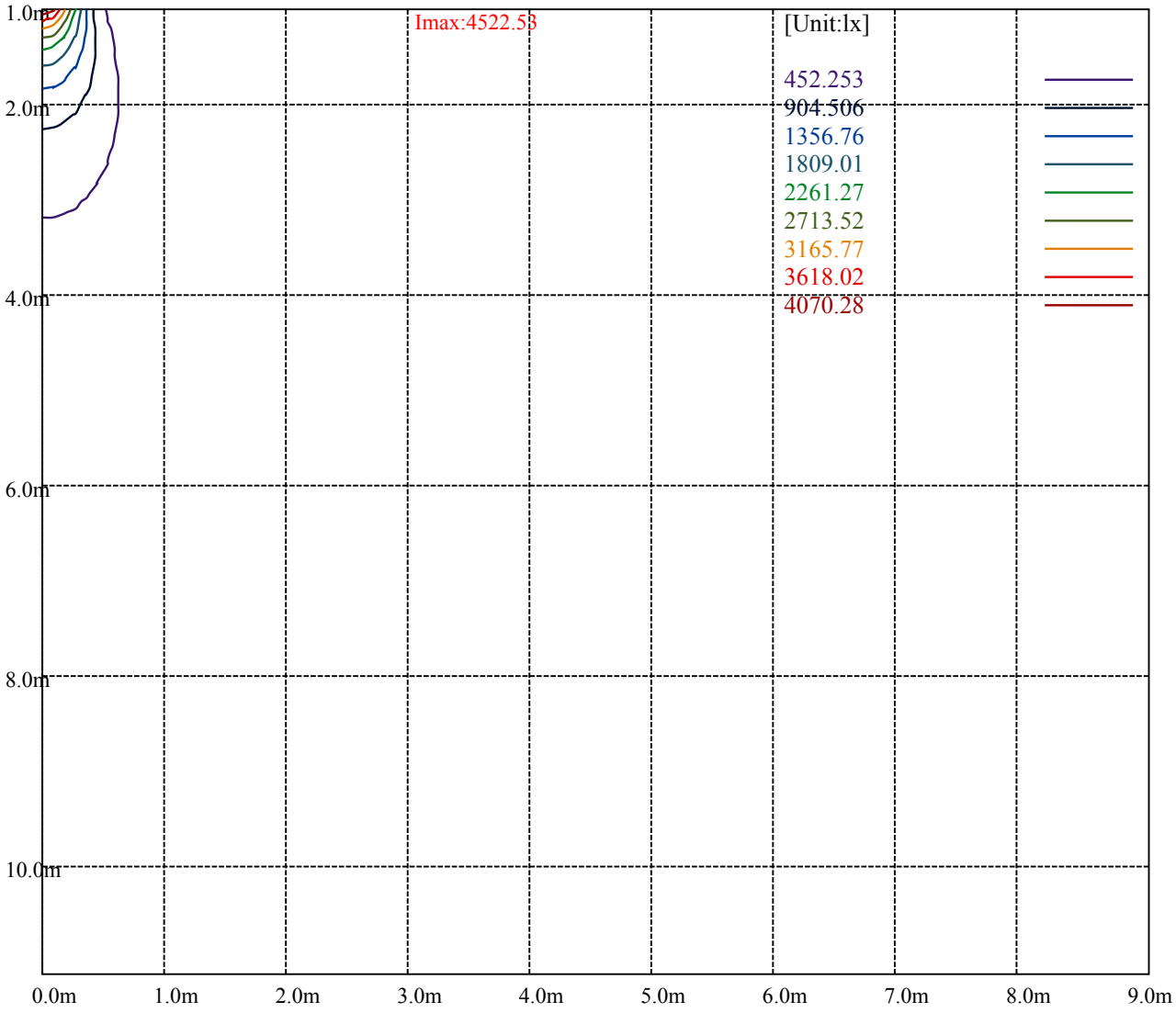
(10%Imax) 452.253
(20%Imax) 904.506
(30%Imax) 1356.76
(40%Imax) 1809.01
(50%Imax) 2261.27
(60%Imax) 2713.52
(70%Imax) 3165.77
(80%Imax) 3618.02
(90%Imax) 4070.28

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2680-L

Luminance Limitting Curve(no luminous side)

Luminance Table

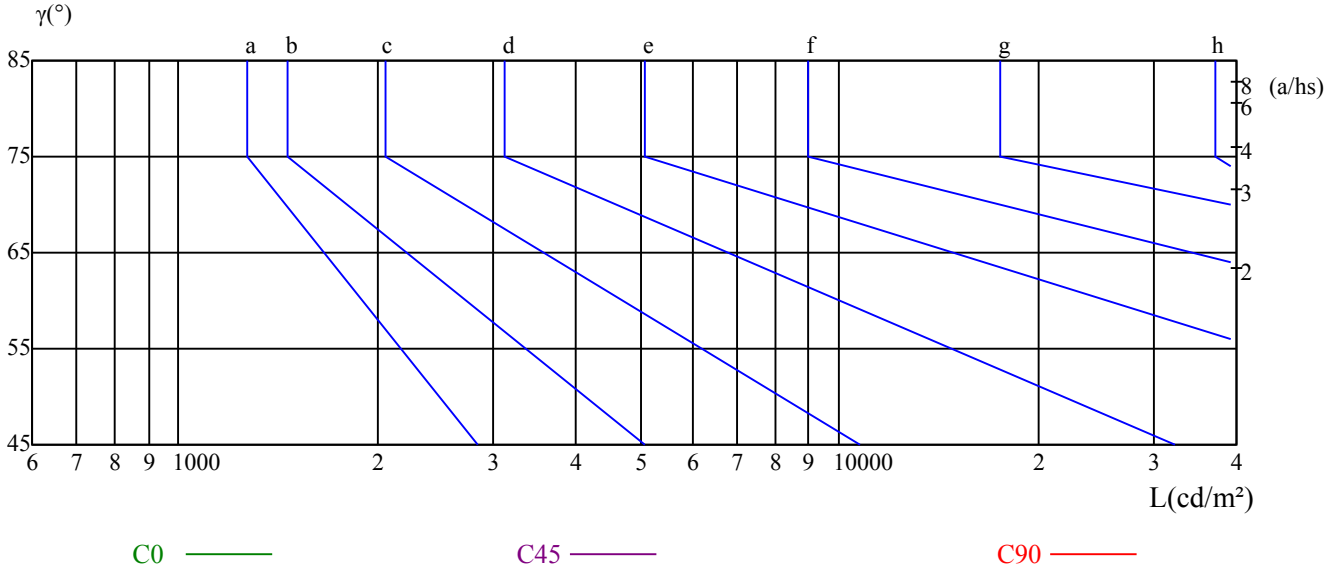
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

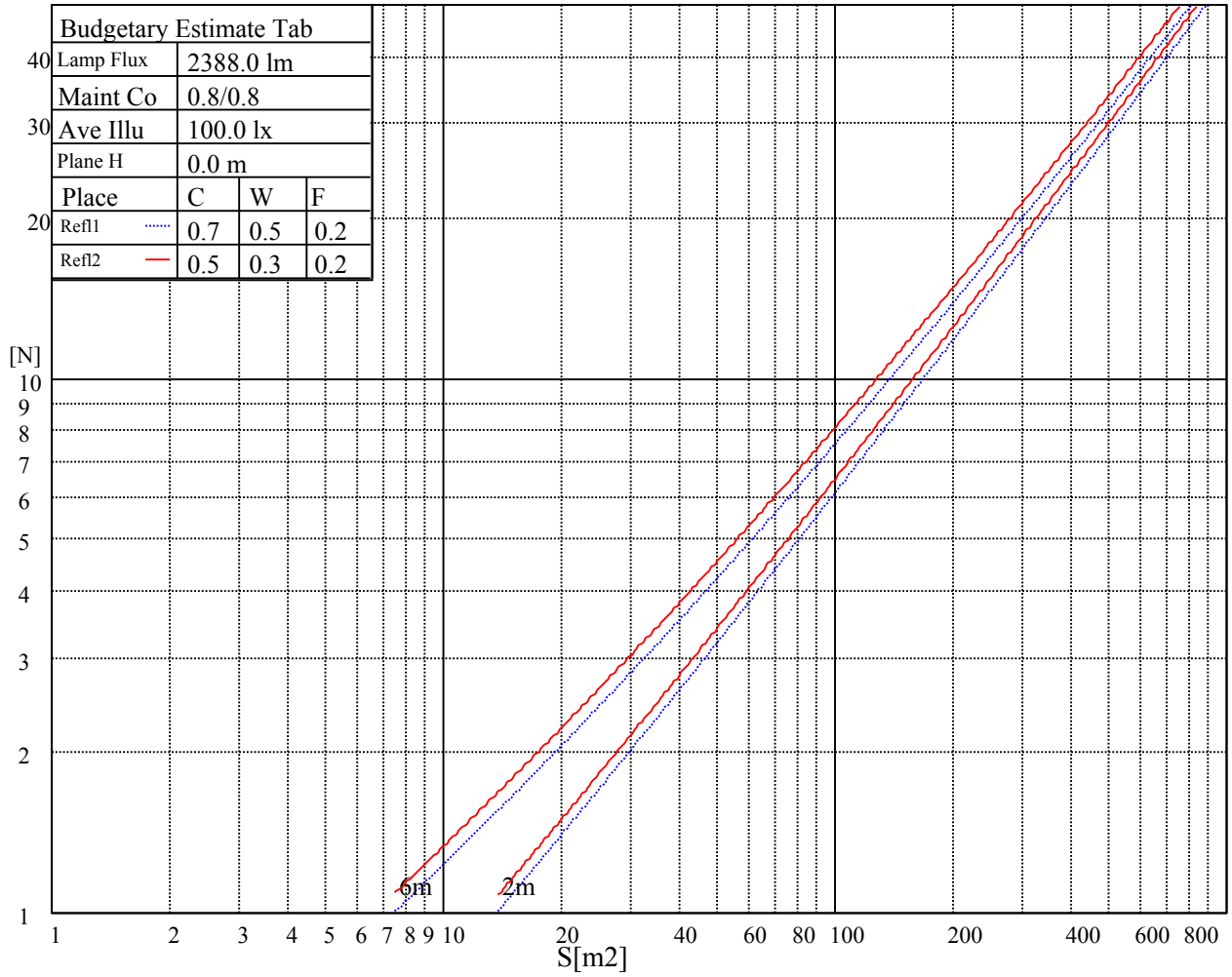
Date: 2024/4/07
Humidity(%): 60.0%

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

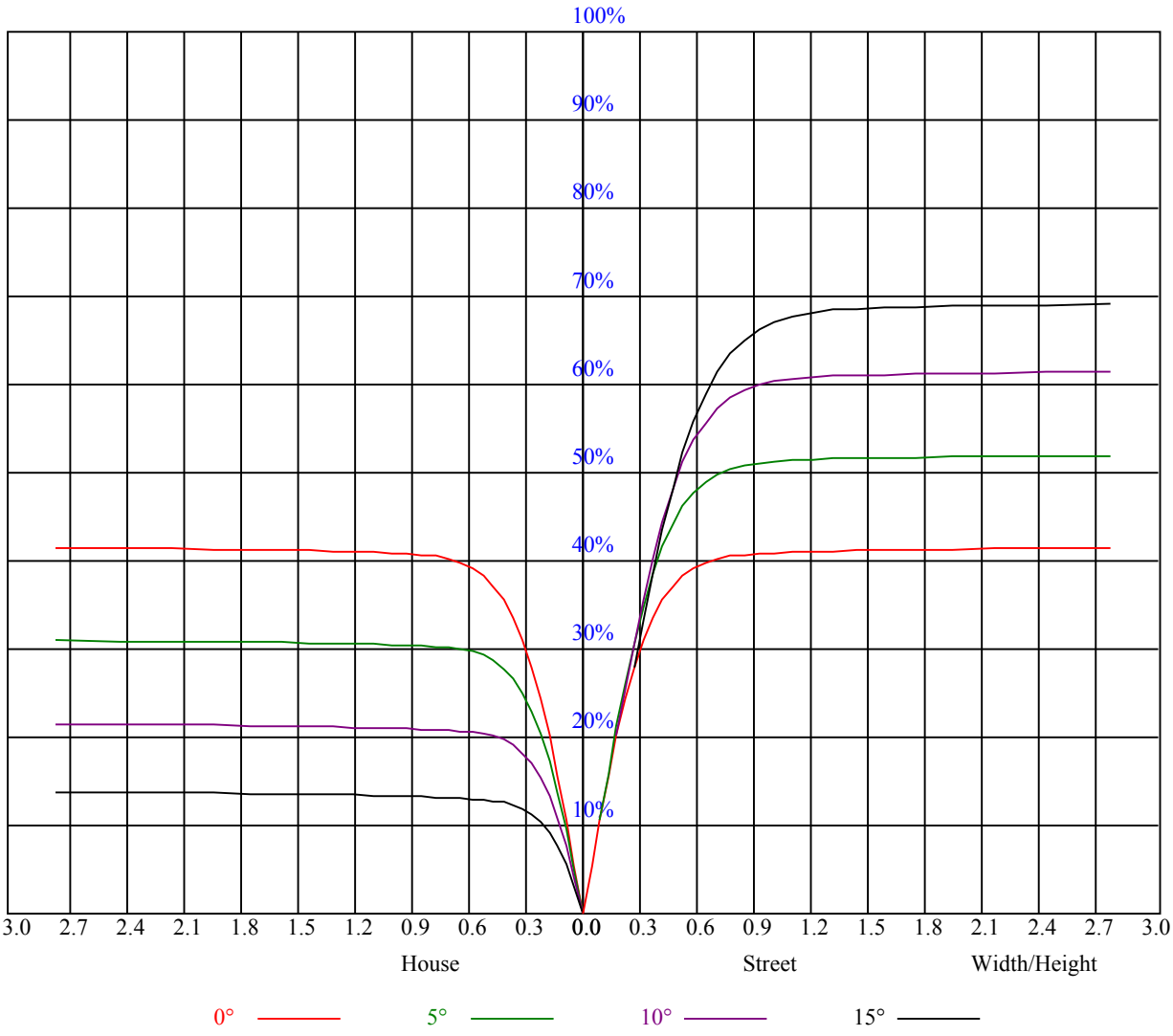


Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

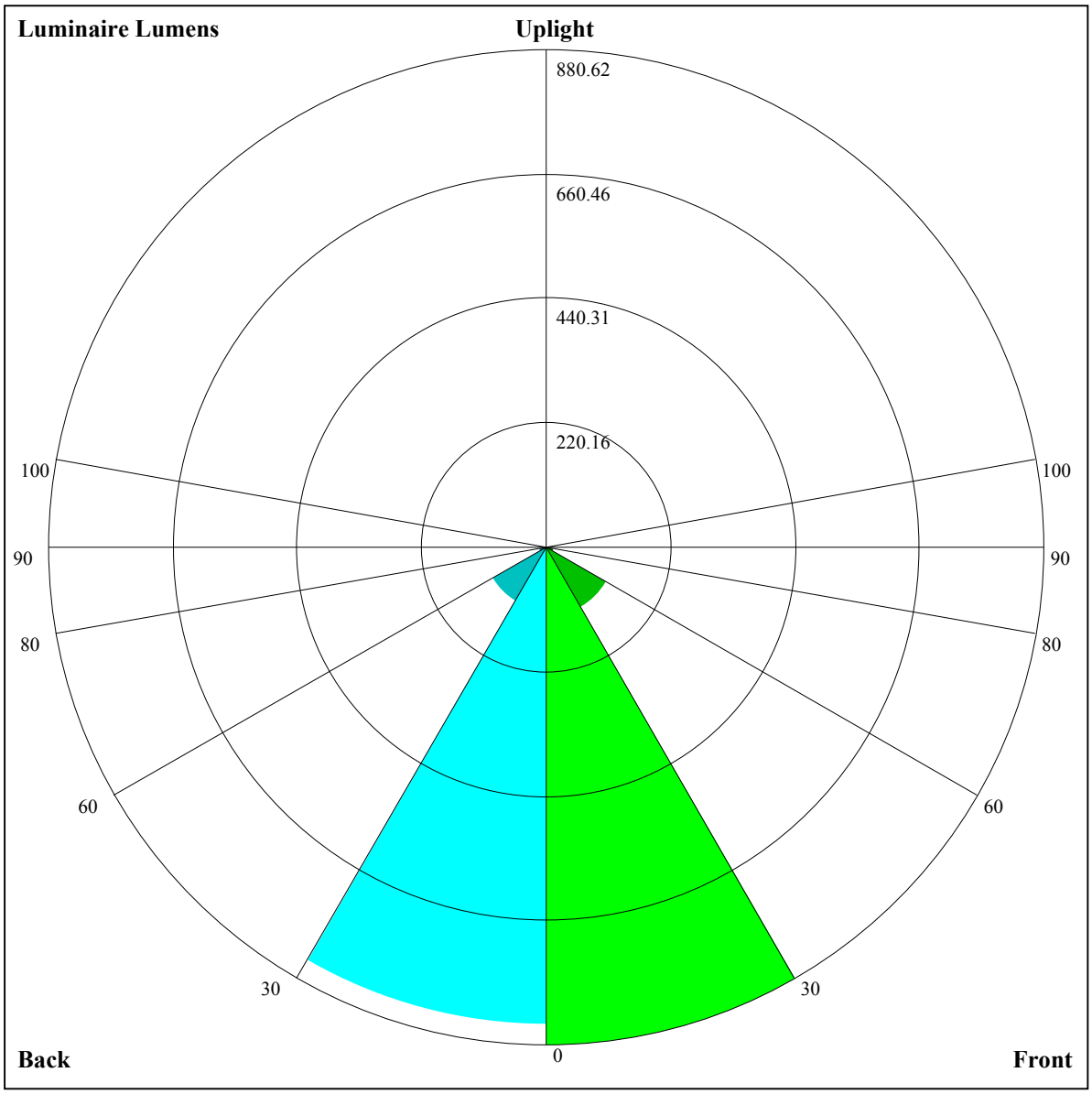
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.79	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.70	0.69	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	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
8	0.65	0.61	0.58	0.65	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/07	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=880.62,FM=122.81,FH=12.82,FVH=5.05
BL=844.41,BM=110.43,BH=13.14,BVH=5.03
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/07	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	4529.70	4525.02	4519.17	4493.42	4441.92	4380.47	4280.39	4192.03	4089.61
45.0	4514.48	4522.68	4523.26	4507.46	4475.27	4431.38	4362.33	4252.30	4156.33
90.0	4522.68	4496.93	4471.18	4431.38	4374.62	4303.22	4183.25	4078.49	3959.11
135.0	4523.26	4519.75	4505.12	4461.23	4430.80	4371.10	4265.18	4163.93	4026.41
180.0	4529.70	4519.17	4495.76	4464.15	4413.83	4341.26	4217.19	4120.63	4007.68
225.0	4514.48	4489.90	4472.93	4407.97	4334.82	4256.99	4132.92	4019.38	3883.03
270.0	4522.68	4525.60	4506.29	4501.02	4450.11	4388.08	4316.09	4239.43	4124.14
315.0	4523.26	4509.22	4505.12	4465.33	4410.90	4327.80	4241.77	4146.96	4037.53
360.0	4529.70	4525.02	4519.17	4493.42	4441.92	4380.47	4280.39	4192.03	4089.61

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3938.04	3797.00	3610.31	3469.27	3317.70	3113.46	2949.01	2777.54	2603.72
45.0	4046.30	3928.67	3749.01	3603.29	3454.64	3294.88	3102.92	2936.13	2759.39
90.0	3832.11	3643.08	3491.51	3335.84	3172.56	2973.00	2799.77	2625.38	2449.23
135.0	3905.85	3773.59	3619.68	3420.70	3263.86	3104.09	2937.89	2723.11	2541.11
180.0	3836.79	3690.49	3531.31	3345.20	3174.90	3011.63	2834.89	2626.55	2502.48
225.0	3736.72	3555.30	3400.22	3250.98	3077.17	2862.98	2687.41	2470.88	2297.65
270.0	4000.07	3861.37	3681.12	3533.65	3331.74	3159.10	2982.37	2775.78	2604.89
315.0	3900.58	3727.36	3589.24	3394.95	3234.01	3020.40	2856.54	2692.09	2516.53
360.0	3938.04	3797.00	3610.31	3469.27	3317.70	3113.46	2949.01	2777.54	2603.72

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2390.70	2222.16	2055.37	1887.41	1687.85	1526.91	1159.16	1159.16	1102.80
45.0	2549.88	2380.17	2162.46	1995.68	1831.23	1667.36	1478.34	1337.88	1212.06
90.0	2234.45	2065.32	1854.64	1689.02	1529.25	1148.45	1148.45	1091.39	989.73
135.0	2366.71	2195.82	1983.97	1819.52	1614.11	1461.95	1322.67	1164.07	1049.95
180.0	2285.36	2106.87	1892.68	1736.42	1578.41	1387.04	1261.80	1111.40	1004.89
225.0	2126.18	1906.72	1735.84	1573.73	1422.74	1141.19	1141.19	1029.24	924.83
270.0	2426.40	2249.08	2033.13	1868.10	1703.65	1545.05	1356.61	1229.03	1109.06
315.0	2302.33	2132.62	1960.56	1794.36	1634.59	1448.49	1156.35	1156.35	1043.05
360.0	2390.70	2222.16	2055.37	1887.41	1687.85	1526.91	1159.16	1159.16	1102.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	996.81	874.15	783.62	698.17	595.12	516.34	440.79	372.38	294.37
45.0	1095.60	963.34	867.95	777.24	691.21	590.55	512.72	438.98	355.88
90.0	866.72	772.38	685.88	602.08	502.77	429.32	364.19	291.62	239.65
135.0	942.86	819.37	728.66	642.64	561.29	484.62	398.60	334.81	307.30
180.0	905.40	810.01	700.57	609.86	529.10	453.61	364.07	303.79	303.79
225.0	804.10	717.25	629.47	526.23	449.86	365.53	305.55	250.94	202.78
270.0	999.04	869.12	780.75	664.29	576.51	503.94	415.57	349.44	302.03
315.0	939.05	841.03	723.57	637.19	553.56	456.71	390.29	329.48	261.42
360.0	996.81	874.15	783.62	698.17	595.12	516.34	440.79	372.38	294.37

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	238.77	190.08	148.94	108.62	85.56	68.82	54.37	46.47	39.74
45.0	296.18	296.18	177.85	138.82	101.36	79.88	64.08	52.90	43.54
90.0	193.01	145.49	115.17	91.82	71.16	58.99	49.86	41.84	37.34
135.0	307.30	172.52	128.93	102.06	81.64	63.44	53.20	45.71	40.38
180.0	237.37	146.66	115.70	91.70	69.76	57.70	47.23	41.55	37.28
225.0	152.69	120.38	95.27	75.90	59.22	50.10	43.54	38.80	34.29
270.0	302.03	181.54	143.26	114.00	89.07	68.06	56.18	47.40	40.44
315.0	212.73	169.95	134.25	99.43	78.71	63.91	53.43	44.42	39.33
360.0	238.77	190.08	148.94	108.62	85.56	68.82	54.37	46.47	39.74

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	35.70	32.66	29.44	27.45	25.63	24.05	22.36	21.24	20.19
45.0	38.51	34.70	31.66	28.56	26.51	24.76	22.82	21.54	20.48
90.0	33.77	30.90	28.03	26.04	24.40	22.94	21.30	20.31	19.14
135.0	36.40	32.48	29.96	27.86	25.93	23.94	22.53	21.07	20.13
180.0	33.94	30.67	28.44	26.57	24.93	23.17	22.00	20.95	19.78
225.0	31.54	28.68	26.69	24.99	23.17	21.95	20.83	19.66	18.79
270.0	36.05	32.83	29.61	27.45	25.22	23.58	22.24	21.07	19.72
315.0	34.65	31.84	29.38	26.80	25.05	23.53	22.18	20.78	19.72
360.0	35.70	32.66	29.44	27.45	25.63	24.05	22.36	21.24	20.19

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.31	18.32	17.67	17.03	16.39	15.92	15.51	15.10	14.75
45.0	19.31	18.43	17.79	17.03	16.44	16.04	15.51	15.10	14.75
90.0	18.32	17.62	16.80	16.27	15.80	15.33	14.92	14.57	14.34
135.0	19.25	18.26	17.67	16.97	16.50	15.98	15.68	15.33	14.92
180.0	18.96	18.32	17.50	16.97	16.50	15.98	15.63	15.33	14.98
225.0	18.08	17.38	16.74	16.27	15.80	15.45	15.04	14.75	14.46
270.0	18.84	18.08	17.44	16.68	16.15	15.68	15.27	14.81	14.51
315.0	18.84	18.14	17.32	16.74	16.21	15.63	15.33	14.86	14.57
360.0	19.31	18.32	17.67	17.03	16.39	15.92	15.51	15.10	14.75

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.51	14.22	13.99	13.69	13.46	13.17	12.87	12.64	12.41
45.0	14.51	14.28	13.99	13.69	13.46	13.23	12.93	12.64	12.41
90.0	14.10	13.81	13.52	13.28	13.05	12.76	12.47	12.17	12.00
135.0	14.63	14.46	14.16	13.87	13.58	13.34	12.99	12.82	12.47
180.0	14.69	14.40	14.16	13.87	13.69	13.75	14.40	15.68	16.21
225.0	14.10	13.87	13.52	13.28	13.05	12.82	12.47	12.23	12.00
270.0	14.22	13.93	13.69	13.40	13.17	12.93	12.64	12.35	12.11
315.0	14.34	13.99	13.75	13.52	13.23	12.99	12.70	12.47	12.23
360.0	14.51	14.22	13.99	13.69	13.46	13.17	12.87	12.64	12.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.11	11.88	11.70	11.41	11.18	10.94	10.77	10.59	10.36
45.0	12.11	11.94	11.65	11.41	11.24	11.00	10.77	10.53	10.36
90.0	11.70	11.47	11.24	11.00	10.83	10.53	10.36	10.18	10.01
135.0	12.17	12.06	11.82	11.59	11.41	11.24	10.94	10.83	10.59
180.0	16.15	15.63	15.04	14.51	13.75	12.99	12.47	11.53	10.89
225.0	11.76	11.47	11.29	11.06	10.83	10.59	10.36	10.18	9.95
270.0	11.88	11.70	11.41	11.18	10.94	10.71	10.53	10.42	10.12
315.0	12.00	11.70	11.47	11.24	11.06	10.89	10.77	10.53	10.24
360.0	12.11	11.88	11.70	11.41	11.18	10.94	10.77	10.59	10.36

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.07	9.83	9.66	9.42	9.25	9.13	8.95	8.78	8.72
45.0	10.12	9.89	9.71	9.54	9.31	9.19	9.01	8.84	8.72
90.0	9.77	9.54	9.36	9.25	9.13	8.90	8.78	8.66	8.54
135.0	10.30	10.01	9.77	9.54	9.25	8.95	8.84	8.66	8.54
180.0	10.24	9.77	9.54	9.31	9.13	8.95	8.78	8.60	8.54
225.0	9.77	9.60	9.42	9.25	8.95	8.84	8.66	8.54	8.49
270.0	9.89	9.66	9.54	9.36	9.25	9.01	8.90	8.72	8.54
315.0	9.89	9.71	9.48	9.31	9.13	8.95	8.78	8.66	8.54
360.0	10.07	9.83	9.66	9.42	9.25	9.13	8.95	8.78	8.72

Intensity data(cd)

C/γ(°)	90.0
0.0	8.60
45.0	8.60
90.0	8.54
135.0	8.49
180.0	8.54
225.0	8.54
270.0	8.54
315.0	8.49
360.0	8.60