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NT

Client:
LumCAT: 2-2640-L
Luminaire: 92.70.412.000
Report No: 20231101-B014
Ballast type: AC

Test No: 20231101-C014	Voltage(V): 35.200
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.451
Lamp flux(lm): 2563.2	Power (W): 15.875
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2371.06, Efficiency(%): 92.50% , Luminous Efficacy(lm/W): 149.36
Central intensity(cd): 6742.622, Maximum intensity(cd): 6742.622
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.2
[C90/270]Total=27.2
Field angle(10%Imax): [C0/180]Total=63.6
[C90/270]Total=63.6
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.51 C90_270=0.51
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.50%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.925%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6742.622	0.000	0	0.00%	0.00%
1.0	6708.441	6.436	6.436	0.25%	0.27%
2.0	6605.207	19.109	25.545	0.75%	1.08%
3.0	6455.752	31.238	56.783	1.22%	2.39%
4.0	6253.781	42.543	99.325	1.66%	4.19%
5.0	6016.521	52.786	152.112	2.06%	6.42%
6.0	5723.493	61.697	213.809	2.41%	9.02%
7.0	5420.986	69.174	282.982	2.70%	11.93%
8.0	5100.903	75.303	358.285	2.94%	15.11%
9.0	4761.102	79.926	438.211	3.12%	18.48%
10.0	4421.922	83.103	521.314	3.24%	21.99%
11.0	4131.247	85.464	606.778	3.33%	25.59%
12.0	3818.776	86.905	693.683	3.39%	29.26%
13.0	3528.723	87.196	780.88	3.40%	32.93%
14.0	3265.862	86.970	867.85	3.39%	36.60%
15.0	3019.539	86.289	954.139	3.37%	40.24%
16.0	2780.896	84.993	1039.131	3.32%	43.83%
17.0	2566.400	83.272	1122.403	3.25%	47.34%
18.0	2374.946	81.472	1203.875	3.18%	50.77%
19.0	2195.255	79.512	1283.387	3.10%	54.13%
20.0	2021.029	77.170	1360.557	3.01%	57.38%
21.0	1869.568	74.707	1435.264	2.91%	60.53%
22.0	1725.787	72.250	1507.514	2.82%	63.58%
23.0	1599.650	69.777	1577.291	2.72%	66.52%
24.0	1481.954	67.375	1644.666	2.63%	69.36%
25.0	1341.875	64.208	1708.874	2.50%	72.07%
26.0	1207.207	60.171	1769.045	2.35%	74.61%
27.0	1144.879	57.544	1826.589	2.25%	77.04%
28.0	1051.455	55.607	1882.196	2.17%	79.38%
29.0	950.767	52.384	1934.58	2.04%	81.59%
30.0	853.546	48.716	1983.296	1.90%	83.65%
31.0	743.094	44.432	2027.728	1.73%	85.52%
32.0	652.142	39.972	2067.7	1.56%	87.21%
33.0	552.671	35.494	2103.194	1.38%	88.70%
34.0	468.748	30.911	2134.105	1.21%	90.01%
35.0	392.651	26.752	2160.857	1.04%	91.13%
36.0	320.809	22.717	2183.574	0.89%	92.09%
37.0	267.220	19.178	2202.752	0.75%	92.90%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	232.367	16.676	2219.427	0.65%	93.60%
39.0	180.861	14.105	2233.532	0.55%	94.20%
40.0	130.634	10.864	2244.396	0.42%	94.66%
41.0	105.303	8.402	2252.797	0.33%	95.01%
42.0	86.317	6.962	2259.759	0.27%	95.31%
43.0	72.700	5.890	2265.65	0.23%	95.55%
44.0	63.062	5.124	2270.774	0.20%	95.77%
45.0	55.444	4.554	2275.328	0.18%	95.96%
46.0	50.171	4.130	2279.458	0.16%	96.14%
47.0	45.459	3.803	2283.262	0.15%	96.30%
48.0	42.020	3.536	2286.798	0.14%	96.45%
49.0	39.197	3.335	2290.134	0.13%	96.59%
50.0	36.949	3.175	2293.308	0.12%	96.72%
51.0	35.267	3.055	2296.364	0.12%	96.85%
52.0	33.946	2.970	2299.334	0.12%	96.98%
53.0	32.880	2.907	2302.241	0.11%	97.10%
54.0	32.091	2.864	2305.104	0.11%	97.22%
55.0	31.482	2.838	2307.942	0.11%	97.34%
56.0	30.950	2.821	2310.763	0.11%	97.46%
57.0	30.479	2.809	2313.572	0.11%	97.58%
58.0	29.932	2.794	2316.365	0.11%	97.69%
59.0	29.275	2.768	2319.133	0.11%	97.81%
60.0	28.396	2.725	2321.858	0.11%	97.93%
61.0	27.393	2.662	2324.52	0.10%	98.04%
62.0	26.168	2.581	2327.101	0.10%	98.15%
63.0	24.840	2.481	2329.582	0.10%	98.25%
64.0	23.477	2.371	2331.953	0.09%	98.35%
65.0	22.121	2.257	2334.21	0.09%	98.45%
66.0	20.785	2.141	2336.35	0.08%	98.54%
67.0	19.609	2.031	2338.381	0.08%	98.62%
68.0	18.550	1.933	2340.315	0.08%	98.70%
69.0	17.596	1.844	2342.158	0.07%	98.78%
70.0	16.876	1.770	2343.929	0.07%	98.86%
71.0	16.309	1.715	2345.644	0.07%	98.93%
72.0	15.734	1.666	2347.31	0.07%	99.00%
73.0	15.278	1.622	2348.932	0.06%	99.07%
74.0	14.828	1.583	2350.515	0.06%	99.13%
75.0	14.357	1.542	2352.057	0.06%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.963	1.503	2353.56	0.06%	99.26%
77.0	13.548	1.467	2355.027	0.06%	99.32%
78.0	13.146	1.429	2356.456	0.06%	99.38%
79.0	12.773	1.393	2357.848	0.05%	99.44%
80.0	12.406	1.357	2359.206	0.05%	99.50%
81.0	12.026	1.321	2360.527	0.05%	99.56%
82.0	11.700	1.287	2361.814	0.05%	99.61%
83.0	11.361	1.254	2363.067	0.05%	99.66%
84.0	11.057	1.221	2364.289	0.05%	99.71%
85.0	10.766	1.191	2365.48	0.05%	99.76%
86.0	10.524	1.164	2366.643	0.05%	99.81%
87.0	10.268	1.138	2367.781	0.04%	99.86%
88.0	10.040	1.112	2368.894	0.04%	99.91%
89.0	9.839	1.090	2369.983	0.04%	99.95%
90.0	9.749	1.074	2371.057	0.04%	100.00%

Zonal flux distribution table

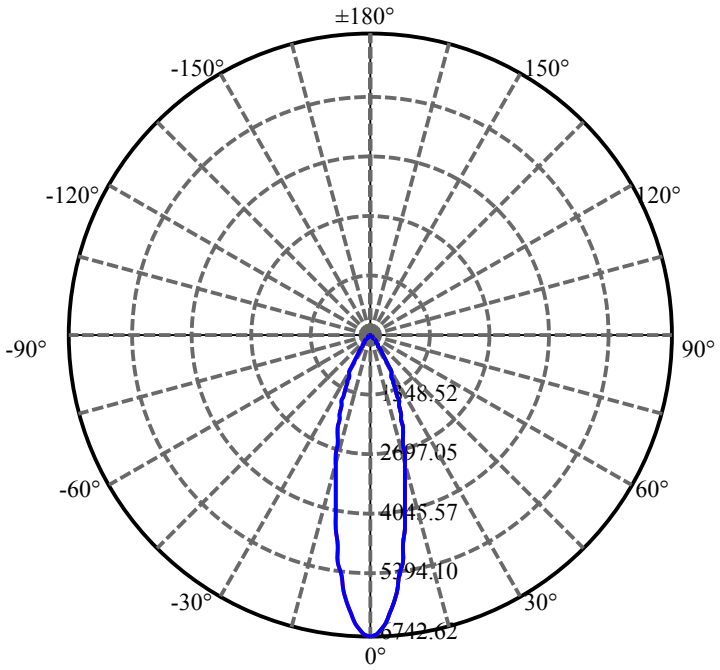
ZONAL LUMEN SUMMARY

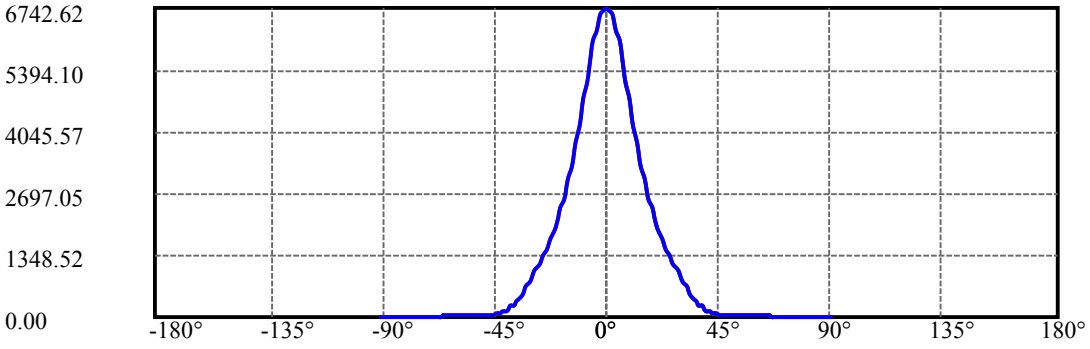
Zone	Lumens	%Lamp	%Fixt
0-30	1983.30	77.38%	83.65%
0-40	2244.40	87.56%	94.66%
0-60	2321.86	90.58%	97.93%
0-90	2369.98	92.46%	99.95%
0-120	2369.98	92.46%	99.95%
0-180	2371.06	92.50%	100.00%
60-90	48.13	1.88%	2.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.28	1896.85	74.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	521.31
10-20	839.24
20-30	622.74
30-40	261.10
40-50	48.91
50-60	28.55
60-70	22.07
70-80	15.28
80-90	10.78
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):

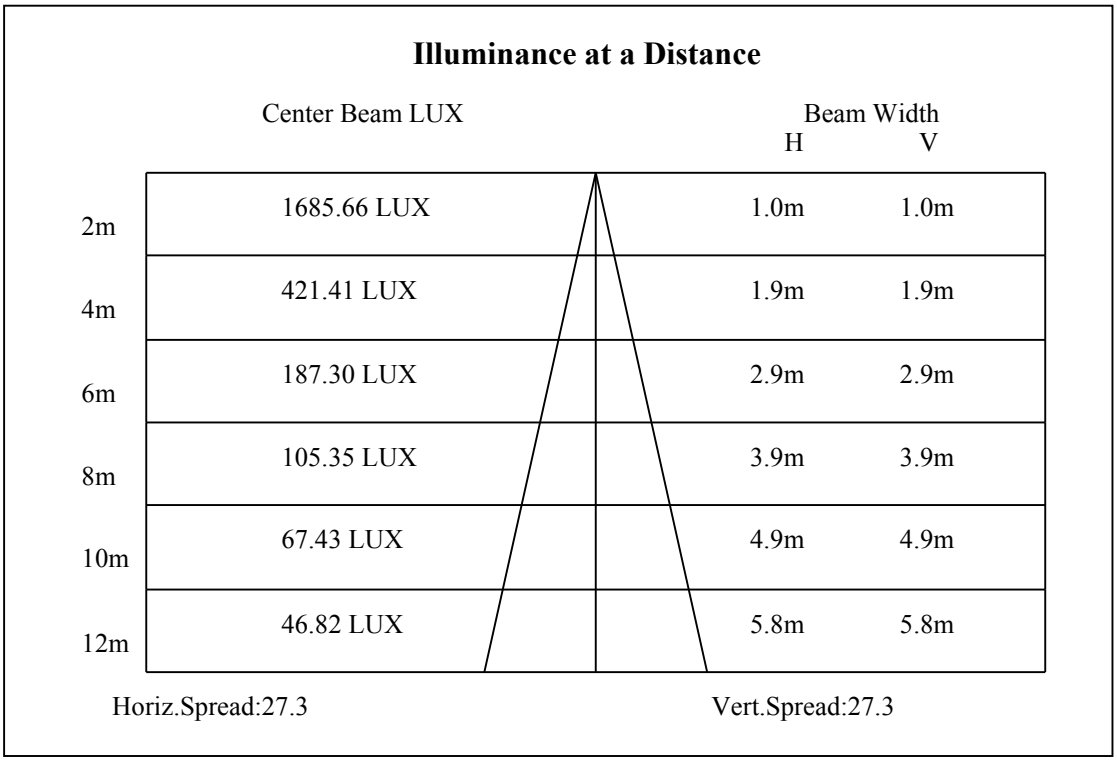
C0/C180:

C90/C270:

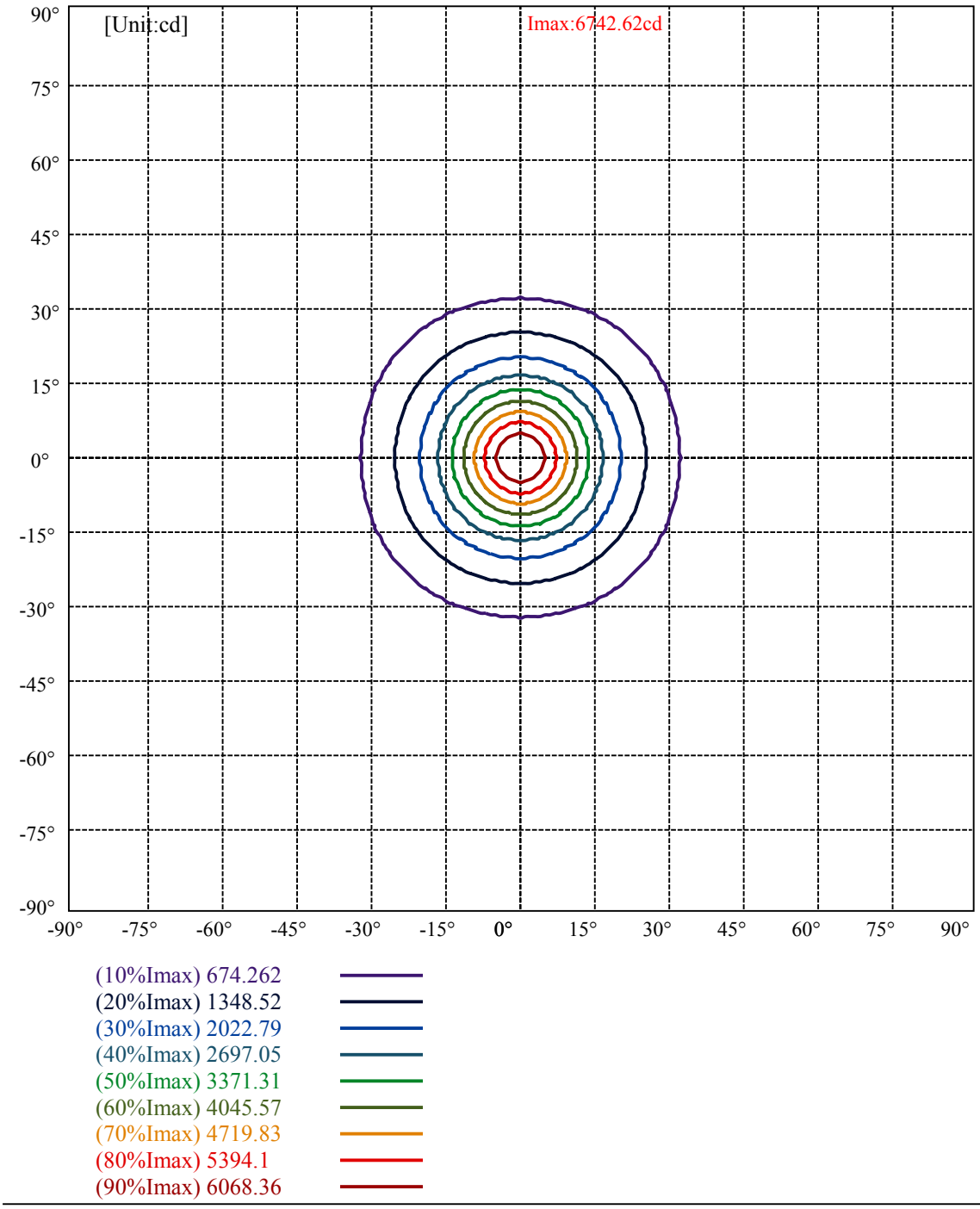
Field angle(10%Imax):C0/180Left:31.8 Right:31.8
:C90/270Left:31.8 Right:31.8

Beam Angle(50%Imax):C0/180Left:13.6 Right:13.6
:C90/270Left:13.6 Right:13.6

Lux distance Curve



ISO-Intensity(V-H)

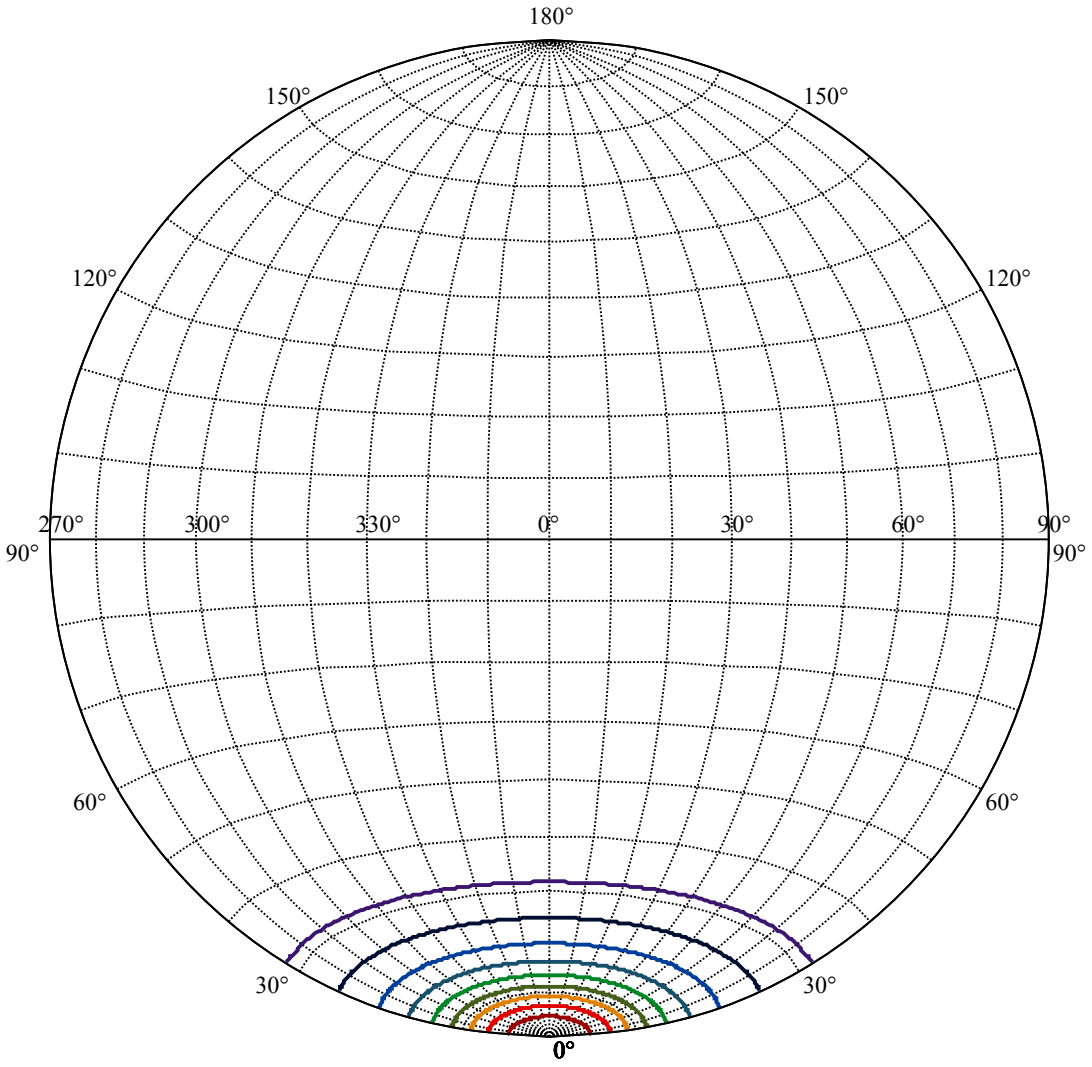


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



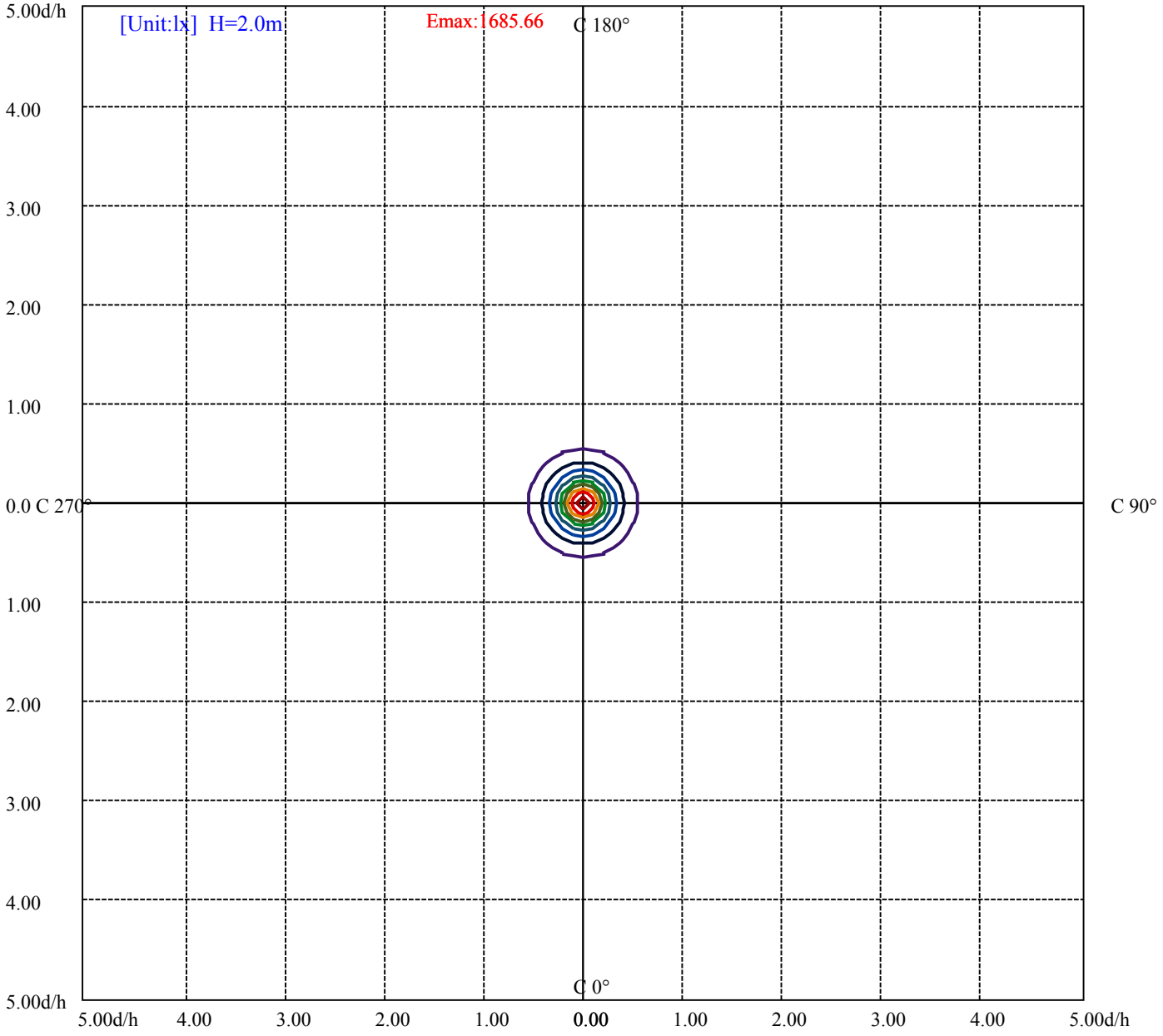
[Unit:cd]

Imax:6742.62

(10%Imax) 674.262
(20%Imax) 1348.52
(30%Imax) 2022.79
(40%Imax) 2697.05
(50%Imax) 3371.31
(60%Imax) 4045.57
(70%Imax) 4719.83
(80%Imax) 5394.1
(90%Imax) 6068.36

NT 2-2640-L

ISO illuminance diagram



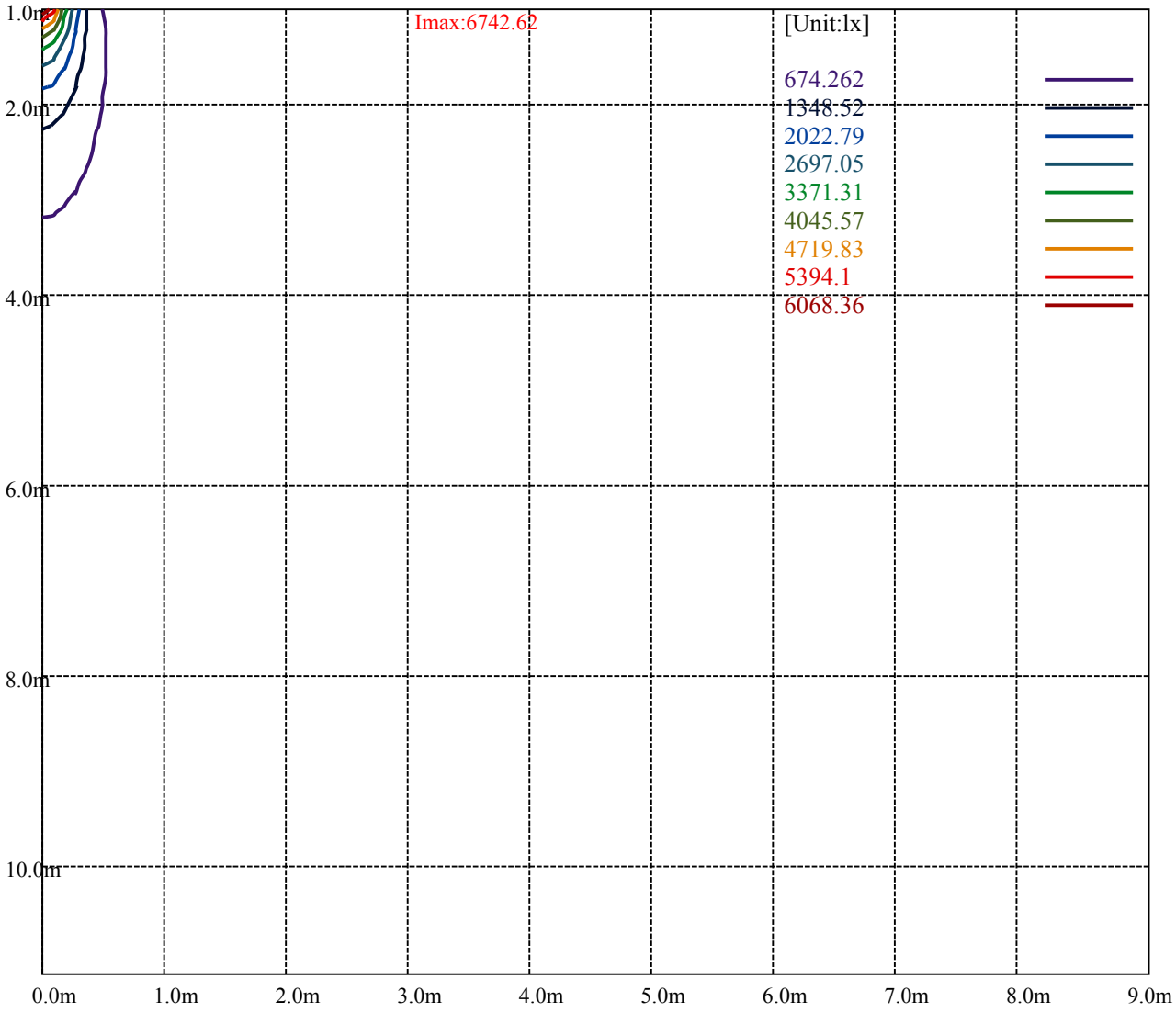
(10%Emax) 168.5655
(20%Emax) 337.13
(30%Emax) 505.695
(40%Emax) 674.2625
(50%Emax) 842.8275
(60%Emax) 1011.393
(70%Emax) 1179.958
(80%Emax) 1348.522
(90%Emax) 1517.088

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2640-L

Luminance Limitting Curve(no luminous side)

Luminance Table

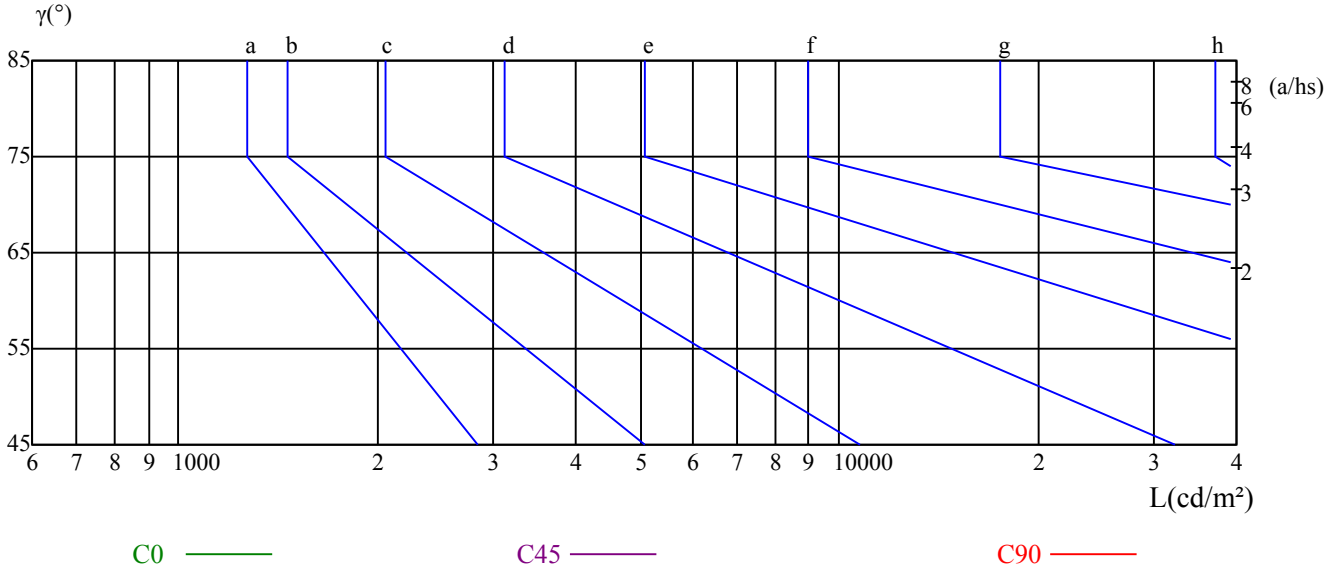
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

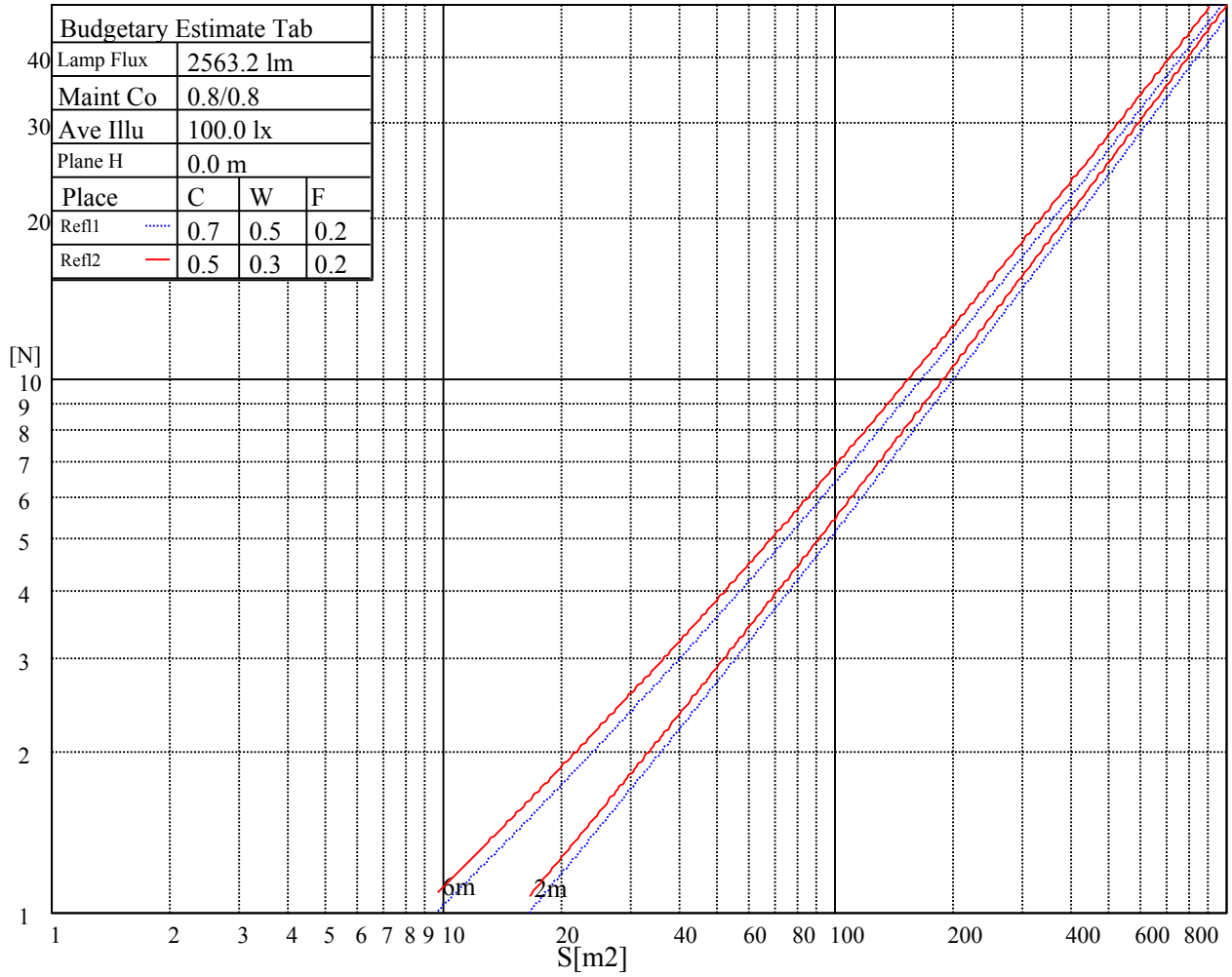
Luminance Limitting Curve



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

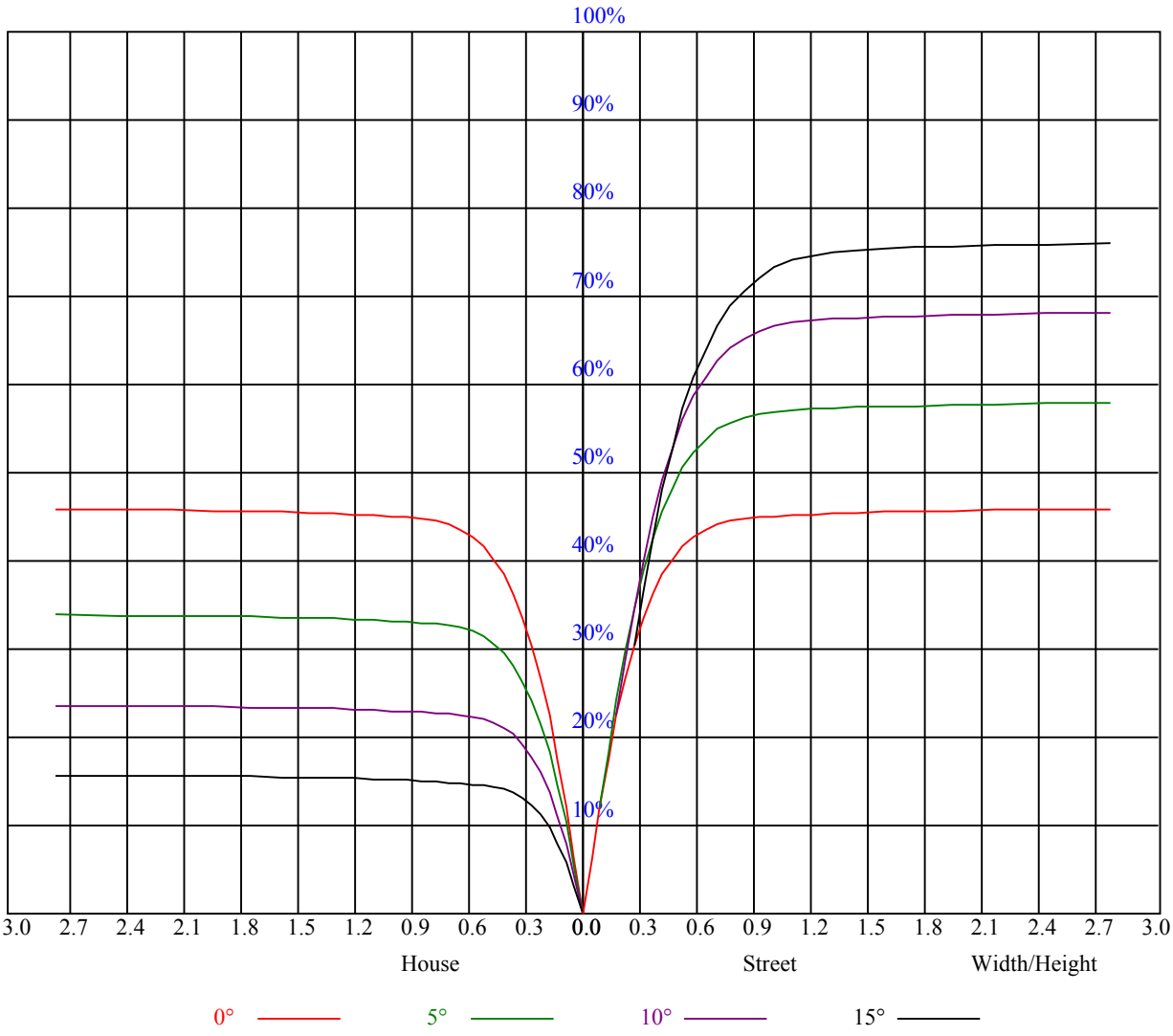


Equipment: GMS1980 Date: 2023/11/01 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
6	0.78	0.73	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
7	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
8	0.71	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.61
9	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/01	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	6712.73	6580.99	6404.41	6221.74	5980.40	5635.00	5349.93	5054.34	4741.59
45.0	6765.87	6739.85	6633.02	6479.69	6261.05	6020.26	5740.72	5462.29	5087.55
90.0	6736.53	6640.77	6485.23	6306.99	6028.01	5754.56	5460.63	5069.84	4757.09
135.0	6755.35	6748.16	6638.56	6461.43	6316.40	6086.68	5748.47	5475.58	5100.28
180.0	6712.73	6763.66	6757.01	6676.75	6494.08	6323.60	6067.31	5807.70	5527.61
225.0	6765.87	6724.91	6602.02	6444.27	6261.60	6043.51	5698.65	5406.94	5096.96
270.0	6736.53	6768.08	6718.82	6625.83	6460.87	6256.06	6041.85	5711.94	5419.67
315.0	6755.35	6701.11	6602.58	6429.32	6227.83	6012.51	5680.39	5379.26	5076.48
360.0	6712.73	6580.99	6404.41	6221.74	5980.40	5635.00	5349.93	5054.34	4741.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4335.29	4040.26	3775.12	3447.42	3203.87	2919.35	2704.02	2511.39	2292.19
45.0	4770.37	4459.84	4189.16	3845.41	3579.16	3324.54	3034.48	2811.96	2607.71
90.0	4470.91	4113.88	3824.38	3553.15	3229.33	3007.36	2787.61	2589.99	2410.10
135.0	4779.23	4467.04	4187.50	3852.06	3578.06	3323.98	3087.07	2805.87	2601.07
180.0	5152.87	4835.69	4517.96	4217.94	3869.77	3594.11	3347.79	3107.00	2815.28
225.0	4777.02	4372.93	4092.29	3822.17	3555.36	3254.79	3014.56	2741.66	2548.48
270.0	5114.12	4715.57	4400.61	4076.79	3736.92	3466.24	3228.78	2942.04	2714.54
315.0	4689.00	4370.17	4062.95	3735.26	3477.31	3236.52	2952.01	2737.24	2541.84
360.0	4335.29	4040.26	3775.12	3447.42	3203.87	2919.35	2704.02	2511.39	2292.19

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2136.10	1986.64	1847.15	1689.39	1575.36	1466.87	1363.36	1082.99	1082.99
45.0	2380.76	2214.14	2023.73	1877.59	1749.17	1627.95	1491.23	1383.84	1280.33
90.0	2203.07	2048.64	1908.04	1748.07	1626.29	1486.24	1379.97	1210.03	1081.39
135.0	2420.06	2249.02	2058.05	1913.57	1750.83	1631.27	1520.56	1390.48	1287.52
180.0	2612.69	2425.04	2208.61	2052.51	1867.08	1728.14	1614.66	1511.15	1376.09
225.0	2368.03	2149.93	1998.82	1850.47	1687.73	1570.94	1459.67	1357.27	1096.61
270.0	2526.34	2349.21	2138.31	1984.98	1837.74	1715.96	1564.85	1456.91	1354.50
315.0	2352.53	2139.42	1985.53	1839.95	1712.09	1569.83	1461.34	1342.32	1098.22
360.0	2136.10	1986.64	1847.15	1689.39	1575.36	1466.87	1363.36	1082.99	1082.99

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1035.72	936.86	818.57	725.13	609.11	522.54	444.10	356.86	294.09
45.0	1176.26	1055.04	957.06	863.52	743.40	653.17	563.50	461.10	389.69
90.0	1056.26	958.95	863.57	768.25	650.29	560.62	475.93	400.48	314.74
135.0	1184.57	1061.13	962.60	866.28	770.52	677.53	566.27	486.00	411.28
180.0	1276.45	1182.35	1092.68	976.44	875.69	783.25	663.69	576.23	497.08
225.0	1096.61	1050.83	957.78	862.74	742.79	650.46	539.53	461.21	391.52
270.0	1234.94	1141.39	1025.15	931.60	836.95	743.95	628.26	545.23	466.63
315.0	1098.22	1025.09	928.72	834.40	716.00	625.61	540.09	462.87	376.18
360.0	1035.72	936.86	818.57	725.13	609.11	522.54	444.10	356.86	294.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	239.40	193.90	147.85	120.06	98.75	83.09	69.03	60.83	54.47
45.0	321.60	289.50	289.50	155.99	125.76	98.36	82.64	71.13	62.27
90.0	255.07	205.69	155.99	125.76	98.09	82.31	70.69	60.06	53.69
135.0	325.48	279.54	279.54	157.92	127.15	104.18	83.75	71.79	63.10
180.0	404.63	339.87	280.64	280.64	170.88	137.50	106.22	88.40	75.28
225.0	311.59	256.18	208.85	159.53	128.64	104.95	87.46	71.90	62.88
270.0	396.33	317.18	288.95	288.95	169.11	129.14	105.28	87.51	71.52
315.0	312.36	255.90	207.63	158.03	126.70	102.90	85.47	69.97	61.28
360.0	239.40	193.90	147.85	120.06	98.75	83.09	69.03	60.83	54.47

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	48.32	44.45	41.46	38.42	36.53	34.71	33.65	32.82	32.11
45.0	54.14	49.10	45.00	41.68	38.47	36.48	34.54	33.32	32.44
90.0	48.66	44.56	40.63	38.25	36.26	34.60	33.10	32.22	31.55
135.0	54.91	49.93	45.67	42.35	39.08	36.92	35.26	33.88	32.71
180.0	65.48	58.12	51.20	46.77	43.34	39.91	37.75	35.92	34.15
225.0	56.07	50.87	45.67	42.40	39.85	37.25	35.59	34.04	33.10
270.0	62.49	55.69	49.32	45.33	41.40	38.97	36.98	35.48	33.99
315.0	53.47	48.66	44.73	40.96	38.64	36.75	35.26	33.88	32.99
360.0	48.32	44.45	41.46	38.42	36.53	34.71	33.65	32.82	32.11

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.44	31.05	30.61	30.06	29.45	28.40	27.34	25.91	24.52
45.0	31.55	31.00	30.61	30.17	29.50	28.89	28.12	27.07	25.74
90.0	30.78	30.39	29.95	29.28	28.84	28.06	26.79	25.85	24.63
135.0	31.94	31.22	30.67	30.17	29.56	28.95	28.23	27.23	25.91
180.0	33.10	32.11	31.39	30.94	30.50	29.89	29.23	28.51	27.51
225.0	32.44	31.83	31.16	30.78	30.22	29.72	28.67	27.68	26.63
270.0	33.10	32.44	31.94	31.50	31.00	30.44	29.78	28.95	27.84
315.0	32.38	31.83	31.27	30.94	30.39	29.84	29.01	27.95	26.57
360.0	31.44	31.05	30.61	30.06	29.45	28.40	27.34	25.91	24.52

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.30	21.59	20.37	19.32	18.10	17.33	16.72	16.16	15.55
45.0	24.47	23.19	21.59	20.37	19.37	18.16	17.33	16.55	16.05
90.0	23.47	21.86	20.65	19.60	18.60	17.49	16.83	16.27	15.72
135.0	24.69	23.53	22.25	20.81	19.71	18.65	17.55	16.94	16.44
180.0	26.24	24.96	23.75	22.53	20.87	19.76	18.60	17.71	17.05
225.0	24.91	23.69	22.42	20.70	19.60	18.65	17.55	16.88	16.38
270.0	26.40	25.08	23.75	22.09	20.81	19.65	18.65	17.55	16.94
315.0	25.24	23.91	22.20	20.87	19.82	18.71	17.55	16.94	16.33
360.0	23.30	21.59	20.37	19.32	18.10	17.33	16.72	16.16	15.55

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.11	14.72	14.34	13.84	13.45	13.12	12.68	12.34	11.90
45.0	15.55	15.11	14.67	14.23	13.84	13.51	13.06	12.73	12.40
90.0	15.28	14.72	14.34	13.95	13.62	13.17	12.84	12.45	12.12
135.0	15.78	15.33	14.95	14.39	14.06	13.67	13.23	12.84	12.57
180.0	16.33	15.83	15.39	14.95	14.45	14.00	13.62	13.23	12.84
225.0	15.72	15.33	14.83	14.39	14.00	13.51	13.17	12.79	12.34
270.0	16.38	15.89	15.28	14.83	14.39	13.89	13.51	13.06	12.73
315.0	15.72	15.28	14.83	14.28	13.89	13.51	13.06	12.73	12.34
360.0	15.11	14.72	14.34	13.84	13.45	13.12	12.68	12.34	11.90

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.57	11.35	11.02	10.74	10.46	10.24	10.02	9.80	9.74
45.0	12.01	11.68	11.29	11.02	10.74	10.52	10.24	10.02	9.80
90.0	11.73	11.40	11.13	10.85	10.57	10.35	10.07	9.85	9.74
135.0	12.07	11.79	11.40	11.13	10.79	10.52	10.30	10.02	9.80
180.0	12.45	12.07	11.68	11.35	11.07	10.74	10.52	10.24	10.02
225.0	12.07	11.68	11.40	11.07	10.74	10.57	10.30	10.07	9.85
270.0	12.34	11.96	11.62	11.29	11.02	10.74	10.41	10.24	9.96
315.0	11.96	11.68	11.35	11.02	10.74	10.52	10.30	10.07	9.80
360.0	11.57	11.35	11.02	10.74	10.46	10.24	10.02	9.80	9.74

Intensity data(cd)

C/γ(°)	90.0
0.0	9.74
45.0	9.74
90.0	9.74
135.0	9.74
180.0	9.80
225.0	9.74
270.0	9.74
315.0	9.74
360.0	9.74