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NT

Client:
LumCAT: 1-1377-L
Luminaire: 92.70.427.00
Report No: 20231113-B015
Ballast type: AC

Test No: 20231113-C015	Voltage(V): 34.480
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.216
Lamp flux(lm): 1241.8	Power (W): 7.447
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1158.36, Efficiency(%): 93.28% , Luminous Efficacy(lm/W): 155.55
Central intensity(cd): 5058.627, Maximum intensity(cd): 5058.627
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.0
[C90/270]Total=21.0
Field angle(10%Imax): [C0/180]Total=52.0
[C90/270]Total=52.0
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.28%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.204%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5058.627	0.000	0	0.00%	0.00%
1.0	5038.354	4.831	4.831	0.39%	0.42%
2.0	4968.885	14.363	19.195	1.16%	1.66%
3.0	4843.232	23.467	42.662	1.89%	3.68%
4.0	4676.203	31.865	74.527	2.57%	6.43%
5.0	4430.502	39.177	113.703	3.15%	9.82%
6.0	4138.374	45.032	158.735	3.63%	13.70%
7.0	3783.557	49.171	207.906	3.96%	17.95%
8.0	3412.480	51.501	259.407	4.15%	22.39%
9.0	3039.535	52.290	311.697	4.21%	26.91%
10.0	2668.528	51.656	363.353	4.16%	31.37%
11.0	2361.039	50.256	413.608	4.05%	35.71%
12.0	2073.823	48.479	462.088	3.90%	39.89%
13.0	1836.771	46.409	508.497	3.74%	43.90%
14.0	1633.070	44.414	552.91	3.58%	47.73%
15.0	1447.635	42.293	595.204	3.41%	51.38%
16.0	1256.340	39.621	634.824	3.19%	54.80%
17.0	1169.303	37.774	672.598	3.04%	58.06%
18.0	1081.485	37.111	709.709	2.99%	61.27%
19.0	986.000	35.970	745.679	2.90%	64.37%
20.0	899.600	34.512	780.191	2.78%	67.35%
21.0	827.744	33.168	813.359	2.67%	70.22%
22.0	761.008	31.927	845.286	2.57%	72.97%
23.0	697.725	30.608	875.894	2.46%	75.62%
24.0	633.038	29.095	904.989	2.34%	78.13%
25.0	568.440	27.319	932.308	2.20%	80.49%
26.0	506.555	25.375	957.683	2.04%	82.68%
27.0	442.967	23.230	980.914	1.87%	84.68%
28.0	383.116	20.915	1001.828	1.68%	86.49%
29.0	324.088	18.502	1020.331	1.49%	88.08%
30.0	273.004	16.121	1036.452	1.30%	89.48%
31.0	236.346	14.174	1050.627	1.14%	90.70%
32.0	202.518	12.573	1063.2	1.01%	91.79%
33.0	136.917	10.000	1073.199	0.81%	92.65%
34.0	106.708	7.373	1080.572	0.59%	93.28%
35.0	88.372	6.058	1086.631	0.49%	93.81%
36.0	75.537	5.219	1091.85	0.42%	94.26%
37.0	65.815	4.610	1096.46	0.37%	94.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	57.914	4.130	1100.59	0.33%	95.01%
39.0	50.794	3.710	1104.3	0.30%	95.33%
40.0	44.795	3.334	1107.634	0.27%	95.62%
41.0	38.983	2.983	1110.617	0.24%	95.88%
42.0	34.354	2.664	1113.282	0.21%	96.11%
43.0	30.147	2.389	1115.671	0.19%	96.31%
44.0	26.777	2.148	1117.819	0.17%	96.50%
45.0	23.809	1.944	1119.764	0.16%	96.67%
46.0	21.318	1.765	1121.528	0.14%	96.82%
47.0	19.374	1.618	1123.147	0.13%	96.96%
48.0	17.547	1.493	1124.639	0.12%	97.09%
49.0	16.053	1.380	1126.019	0.11%	97.21%
50.0	14.883	1.290	1127.309	0.10%	97.32%
51.0	13.845	1.215	1128.524	0.10%	97.42%
52.0	13.036	1.153	1129.678	0.09%	97.52%
53.0	12.261	1.100	1130.778	0.09%	97.62%
54.0	11.652	1.054	1131.832	0.08%	97.71%
55.0	11.126	1.017	1132.849	0.08%	97.80%
56.0	10.697	0.986	1133.835	0.08%	97.88%
57.0	10.289	0.960	1134.795	0.08%	97.97%
58.0	9.971	0.937	1135.732	0.08%	98.05%
59.0	9.680	0.919	1136.65	0.07%	98.13%
60.0	9.410	0.902	1137.552	0.07%	98.20%
61.0	9.203	0.888	1138.44	0.07%	98.28%
62.0	8.926	0.874	1139.314	0.07%	98.36%
63.0	8.711	0.858	1140.172	0.07%	98.43%
64.0	8.497	0.844	1141.016	0.07%	98.50%
65.0	8.296	0.831	1141.847	0.07%	98.57%
66.0	8.068	0.816	1142.664	0.07%	98.65%
67.0	7.867	0.801	1143.465	0.06%	98.71%
68.0	7.666	0.787	1144.252	0.06%	98.78%
69.0	7.431	0.770	1145.022	0.06%	98.85%
70.0	7.237	0.753	1145.775	0.06%	98.91%
71.0	7.037	0.738	1146.513	0.06%	98.98%
72.0	6.829	0.721	1147.234	0.06%	99.04%
73.0	6.670	0.706	1147.94	0.06%	99.10%
74.0	6.511	0.693	1148.633	0.06%	99.16%
75.0	6.359	0.680	1149.313	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.220	0.668	1149.981	0.05%	99.28%
77.0	6.103	0.657	1150.638	0.05%	99.33%
78.0	5.971	0.646	1151.284	0.05%	99.39%
79.0	5.854	0.635	1151.919	0.05%	99.44%
80.0	5.736	0.625	1152.544	0.05%	99.50%
81.0	5.639	0.615	1153.159	0.05%	99.55%
82.0	5.563	0.607	1153.767	0.05%	99.60%
83.0	5.480	0.600	1154.367	0.05%	99.66%
84.0	5.390	0.592	1154.959	0.05%	99.71%
85.0	5.293	0.583	1155.542	0.05%	99.76%
86.0	5.224	0.575	1156.117	0.05%	99.81%
87.0	5.176	0.569	1156.686	0.05%	99.86%
88.0	5.127	0.564	1157.251	0.05%	99.90%
89.0	5.023	0.556	1157.807	0.04%	99.95%
90.0	5.016	0.550	1158.358	0.04%	100.00%

Zonal flux distribution table

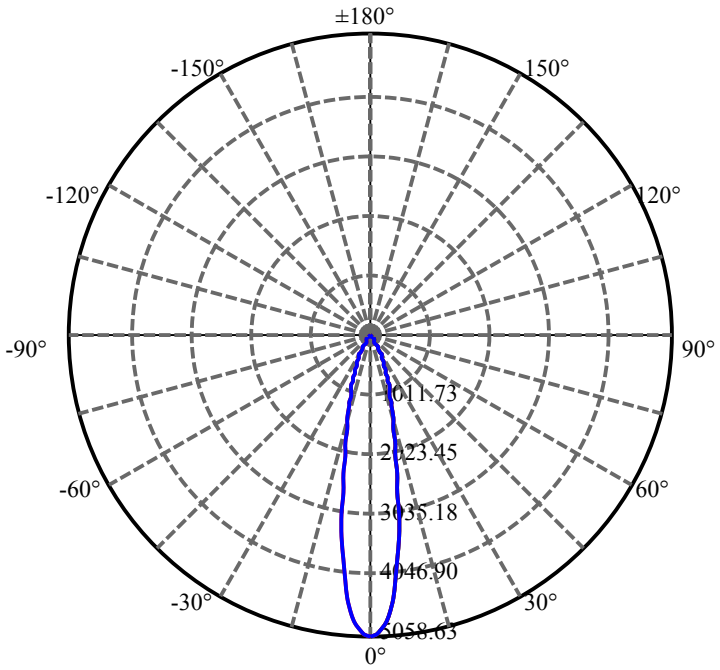
ZONAL LUMEN SUMMARY

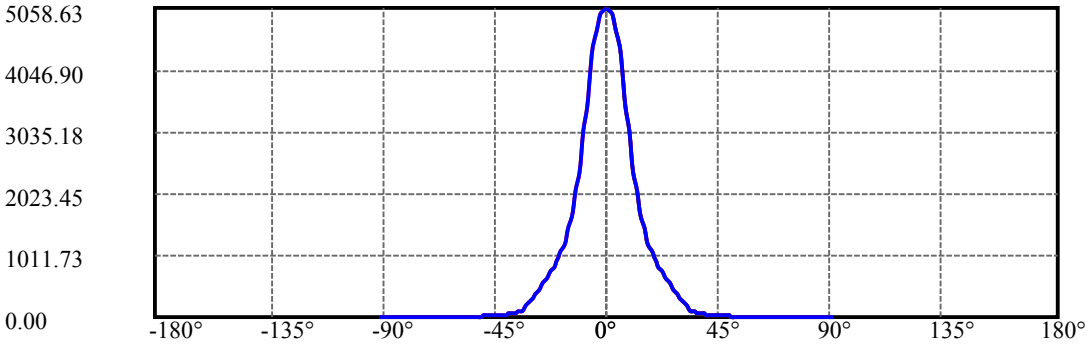
Zone	Lumens	%Lamp	%Fixt
0-30	1036.45	83.46%	89.48%
0-40	1107.63	89.20%	95.62%
0-60	1137.55	91.61%	98.20%
0-90	1157.81	93.24%	99.95%
0-120	1157.81	93.24%	99.95%
0-180	1158.36	93.28%	100.00%
60-90	20.26	1.63%	1.75%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.79	926.69	74.63%	80.00%

ZONAL LUMEN SUMMARY

0-10	363.35
10-20	416.84
20-30	256.26
30-40	71.18
40-50	19.67
50-60	10.24
60-70	8.22
70-80	6.77
80-90	5.26
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:

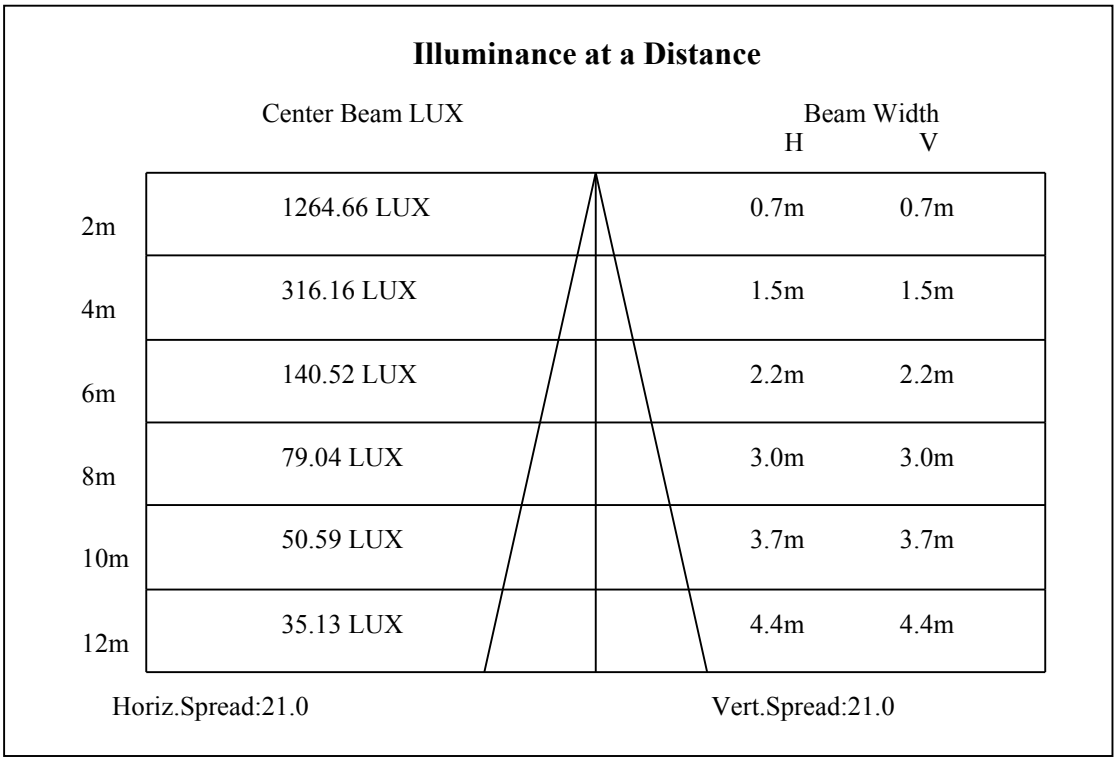
C90/C270:

Field angle(10%Imax):C0/180Left:26.0 Right:26.0
:C90/270Left:26.0 Right:26.0

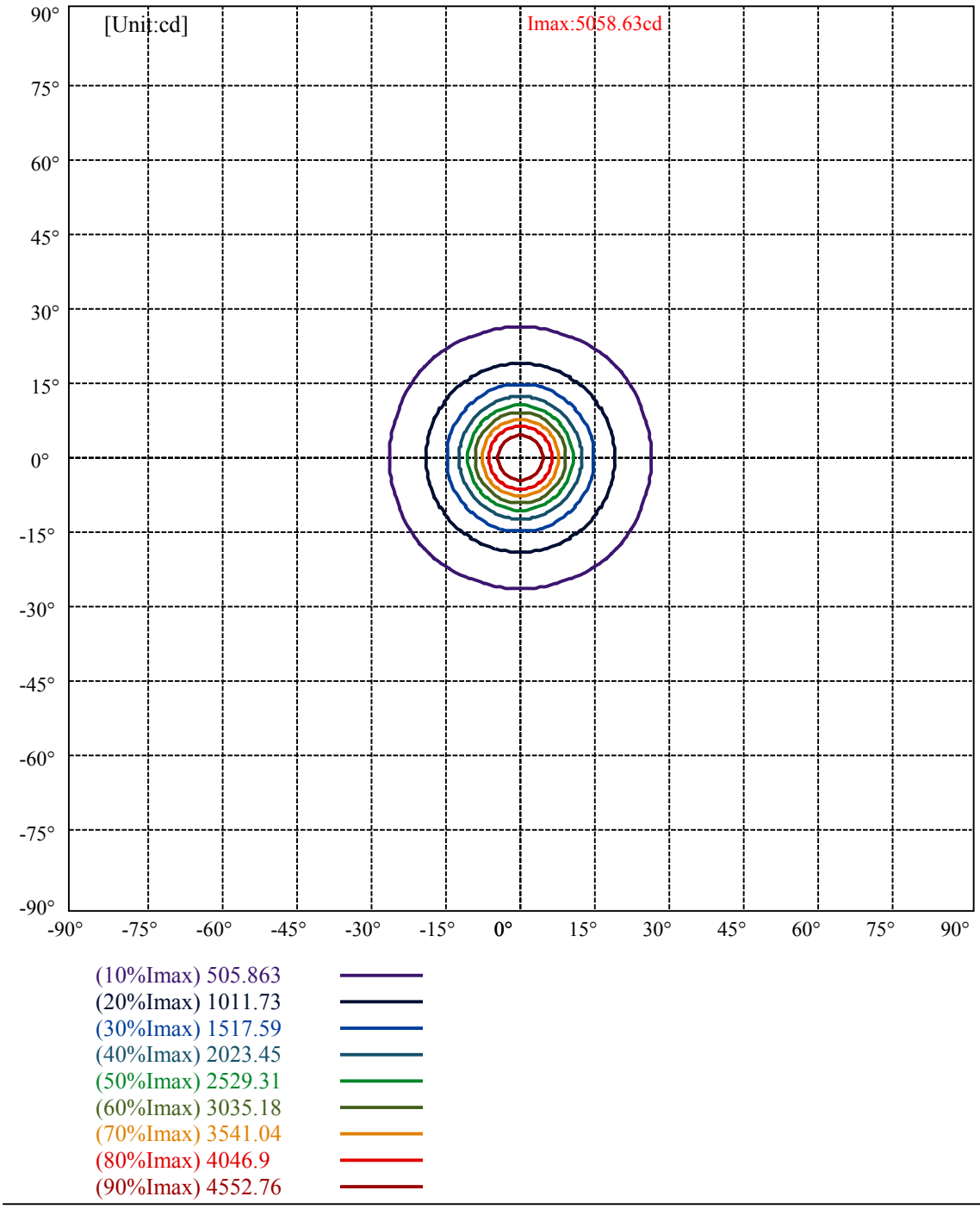
Beam Angle(50%Imax):C0/180Left:10.5 Right:10.5
:C90/270Left:10.5 Right:10.5

Equipment: GMS1980 Date: 2023/11/13 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

Lux distance Curve



ISO-Intensity(V-H)



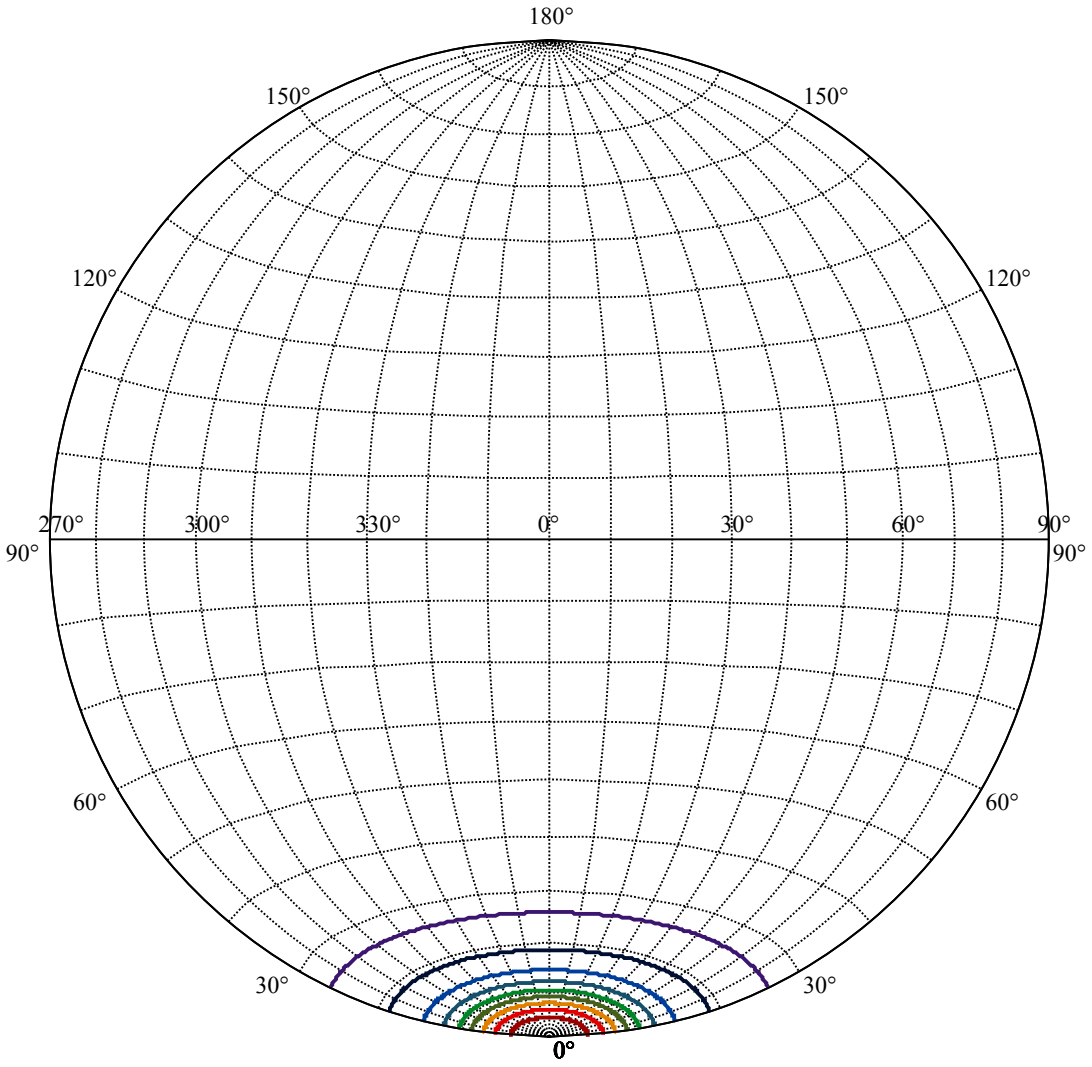
(10%Imax) 505.863
(20%Imax) 1011.73
(30%Imax) 1517.59
(40%Imax) 2023.45
(50%Imax) 2529.31
(60%Imax) 3035.18
(70%Imax) 3541.04
(80%Imax) 4046.9
(90%Imax) 4552.76

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5058.63

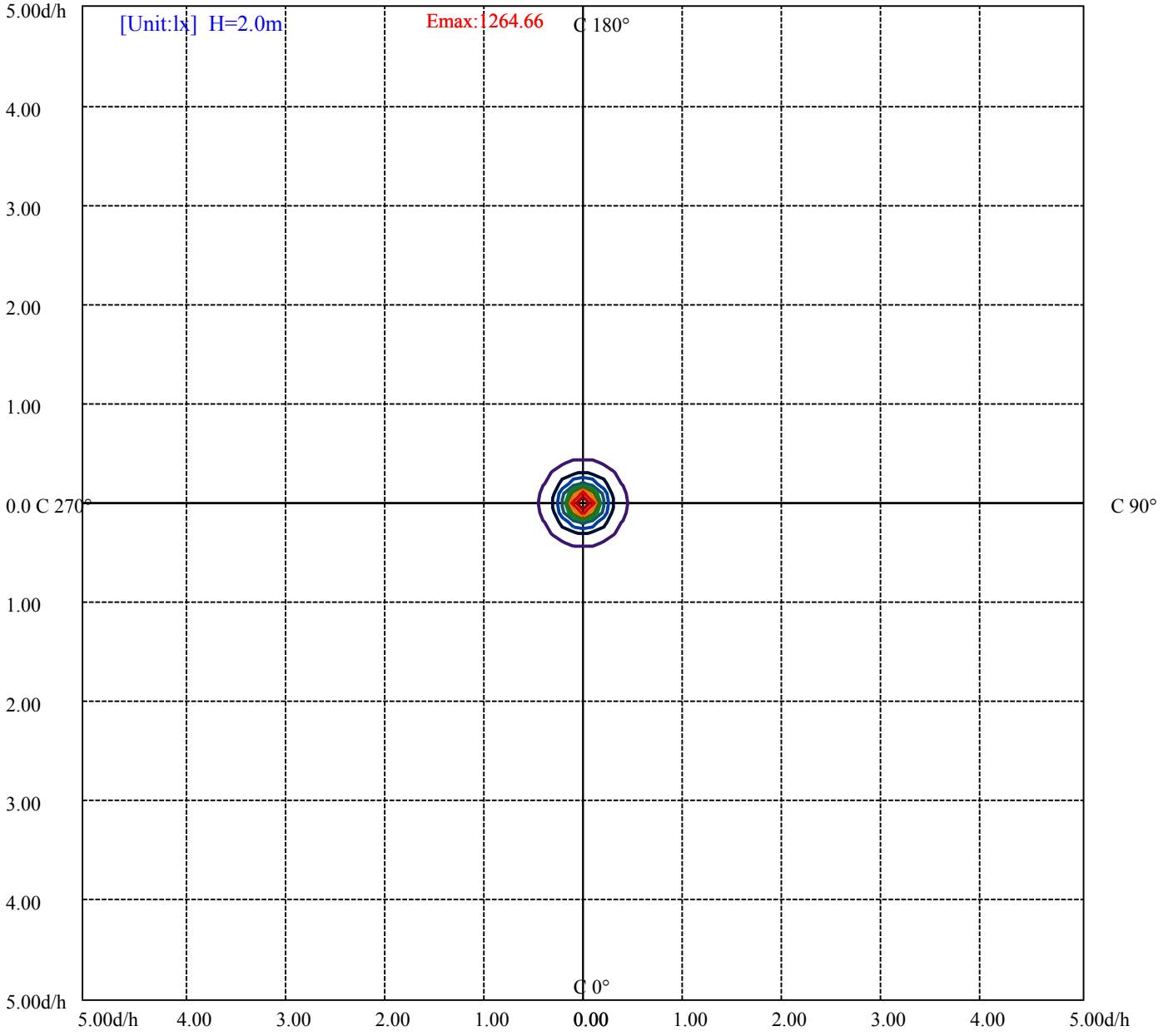
(10%Imax) 505.863
(20%Imax) 1011.73
(30%Imax) 1517.59
(40%Imax) 2023.45
(50%Imax) 2529.31
(60%Imax) 3035.18
(70%Imax) 3541.04
(80%Imax) 4046.9
(90%Imax) 4552.76

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

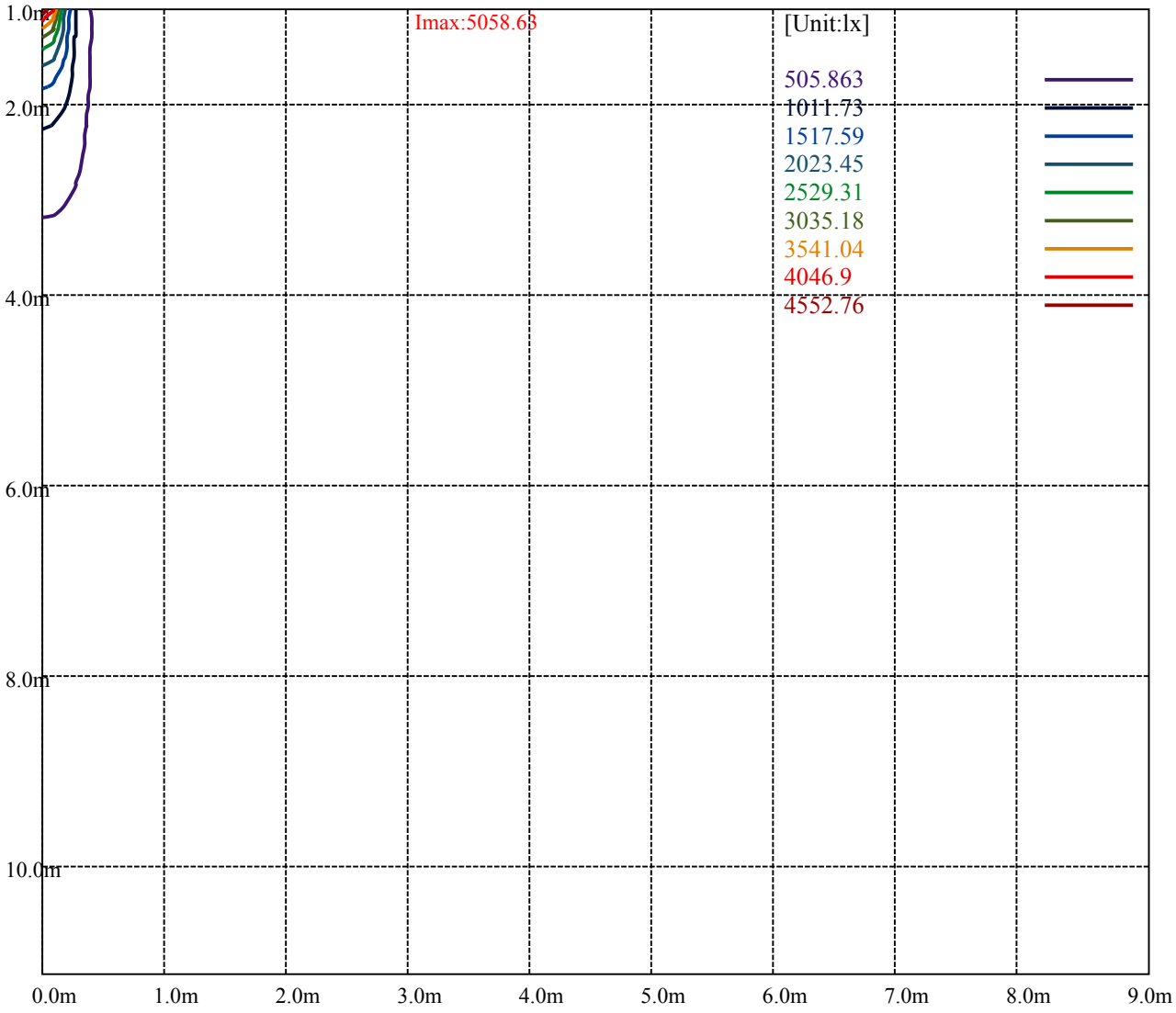
ISO illuminance diagram



(10%Emax) 126.4655
(20%Emax) 252.93
(30%Emax) 379.3975
(40%Emax) 505.8625
(50%Emax) 632.3275
(60%Emax) 758.7925
(70%Emax) 885.26
(80%Emax) 1011.725
(90%Emax) 1138.19

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/13
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1377-L

Luminance Limitting Curve(no luminous side)

Luminance Table

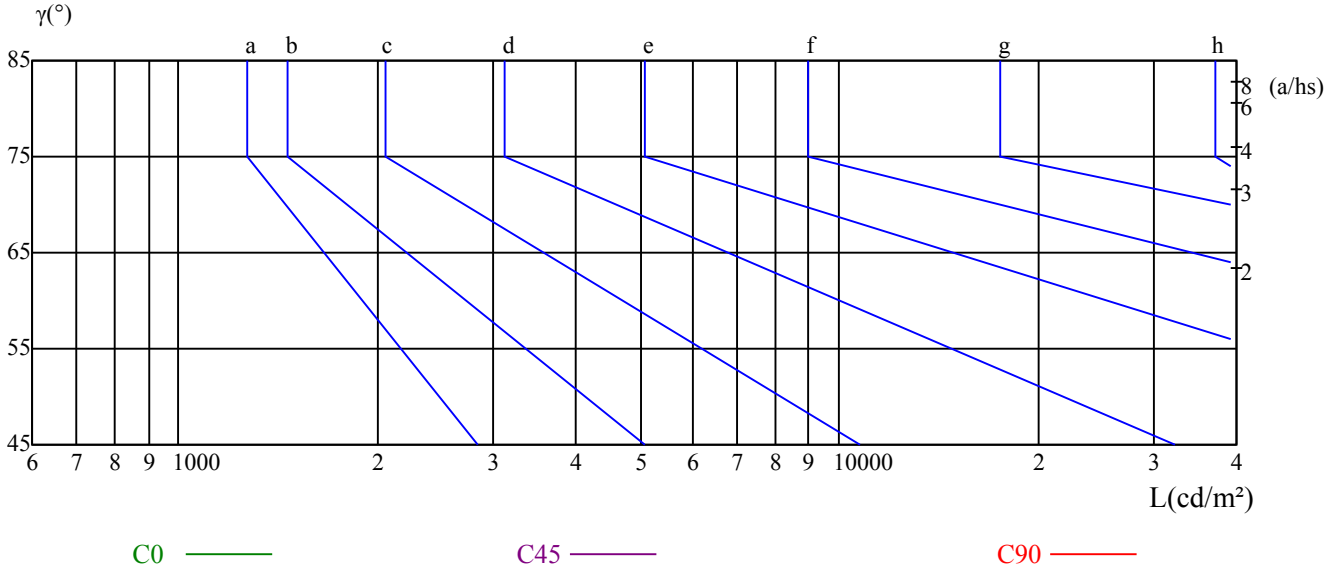
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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): 0.0

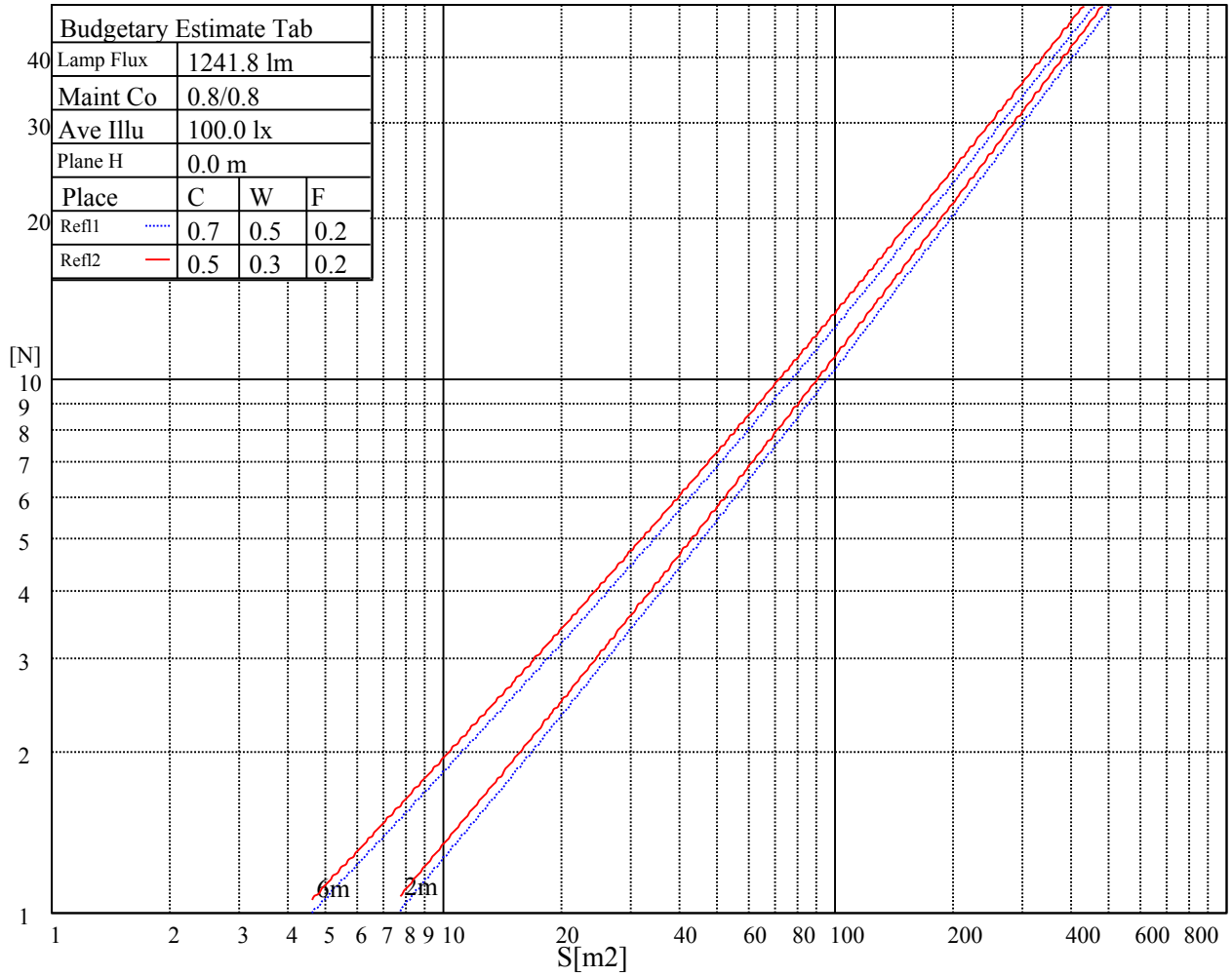
Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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

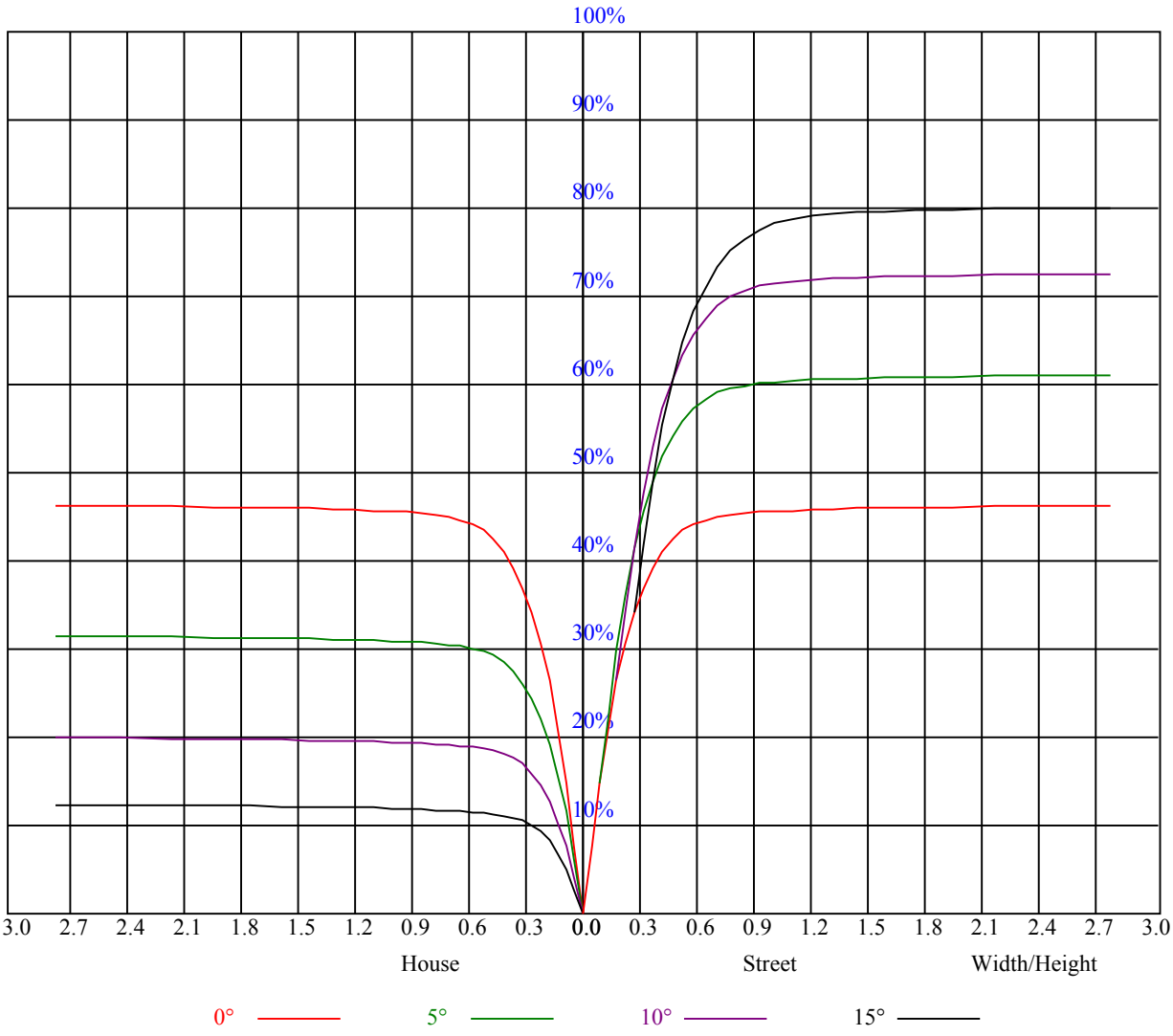


Equipment: GMS1980 Date: 2023/11/13 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.86	0.82	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.67
9	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.72	0.67	0.65	0.71	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/13	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	5050.46	4986.81	4851.19	4687.90	4470.91	4118.86	3790.06	3443.55	3088.18
45.0	5069.28	5073.16	5031.09	4909.86	4773.14	4567.78	4315.92	4006.49	3579.16
90.0	5052.68	5002.30	4903.22	4718.34	4505.23	4240.09	3921.25	3490.04	3133.01
135.0	5062.09	5023.34	4958.02	4845.10	4641.95	4404.49	4132.70	3804.45	3372.14
180.0	5050.46	5068.73	5045.48	4964.66	4857.28	4639.74	4415.56	4137.68	3812.20
225.0	5069.28	5037.73	4937.54	4801.92	4629.22	4333.08	4031.96	3590.79	3228.22
270.0	5052.68	5068.18	5042.71	4969.65	4847.87	4681.81	4397.29	4027.53	3681.57
315.0	5062.09	5046.59	4981.82	4848.42	4684.02	4458.18	4102.26	3767.92	3405.35
360.0	5050.46	4986.81	4851.19	4687.90	4470.91	4118.86	3790.06	3443.55	3088.18

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2658.63	2361.38	2096.79	1874.83	1636.25	1480.16	1340.66	1083.77	1083.77
45.0	3227.67	2799.23	2489.80	2206.39	1907.49	1704.89	1533.85	1350.63	1224.42
90.0	2785.95	2400.13	2130.56	1841.61	1649.54	1491.78	1225.53	1091.52	1091.52
135.0	3028.95	2698.49	2399.03	2071.33	1846.60	1616.33	1464.10	1324.06	1185.12
180.0	3370.48	3012.90	2677.45	2298.84	2042.55	1825.01	1598.06	1444.18	1283.10
225.0	2872.30	2474.31	2196.98	1956.20	1748.62	1536.06	1390.48	1103.47	1103.47
270.0	3321.22	2970.83	2562.32	2270.60	2015.98	1797.33	1571.49	1419.27	1284.76
315.0	3051.09	2630.96	2335.37	2070.78	1847.15	1613.00	1456.91	1233.83	1098.27
360.0	2658.63	2361.38	2096.79	1874.83	1636.25	1480.16	1340.66	1083.77	1083.77

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	994.43	917.76	833.29	772.63	698.95	637.40	575.62	517.06	446.09
45.0	1119.80	1027.36	925.51	854.66	792.11	733.99	664.24	603.35	543.57
90.0	999.41	897.67	826.04	763.82	705.04	632.19	574.57	517.72	445.32
135.0	1085.48	1001.35	922.74	839.16	782.70	724.58	649.30	585.09	524.20
180.0	1174.60	1073.86	986.40	893.41	833.07	776.61	713.51	639.33	579.00
225.0	1031.29	943.17	865.56	797.70	720.54	660.15	597.98	523.70	466.24
270.0	1172.94	1045.08	954.30	882.89	797.65	732.88	663.14	597.82	543.57
315.0	1073.92	981.75	882.95	817.68	758.01	684.00	625.94	563.44	504.44
360.0	994.43	917.76	833.29	772.63	698.95	637.40	575.62	517.06	446.09

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	389.36	335.72	284.35	224.51	181.01	143.26	110.98	83.64	71.74
45.0	468.29	410.72	343.75	293.37	281.75	281.75	147.63	115.97	92.27
90.0	387.31	333.56	270.18	224.46	180.51	135.45	107.16	86.13	73.07
135.0	463.31	390.80	335.44	284.52	284.52	175.91	140.10	107.05	90.56
180.0	521.43	462.76	388.58	334.89	281.20	281.20	175.08	131.96	107.66
225.0	395.56	343.52	293.98	246.10	192.41	154.27	124.38	102.96	85.96
270.0	487.11	413.49	357.58	306.66	279.54	279.54	156.87	127.26	104.40
315.0	431.37	374.36	318.84	269.52	209.85	168.77	133.13	98.70	81.31
360.0	389.36	335.72	284.35	224.51	181.01	143.26	110.98	83.64	71.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	61.06	54.14	48.10	41.24	36.37	32.27	27.95	25.02	22.42
45.0	76.94	64.60	56.85	50.26	44.62	38.25	34.04	29.39	26.29
90.0	62.38	55.24	48.55	42.84	36.70	32.55	28.95	25.19	22.64
135.0	79.60	67.64	59.78	52.81	46.33	39.69	35.20	31.05	27.62
180.0	92.00	80.76	69.58	61.55	54.30	47.66	40.68	35.98	31.72
225.0	75.89	67.53	58.40	51.76	45.83	39.30	34.98	30.28	27.01
270.0	85.74	75.95	67.81	58.84	52.48	45.22	40.13	35.76	31.00
315.0	70.69	60.67	54.25	47.05	41.74	36.92	32.88	28.51	25.52
360.0	61.06	54.14	48.10	41.24	36.37	32.27	27.95	25.02	22.42

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	20.26	18.05	16.55	15.33	14.28	13.17	12.51	11.73	11.18
45.0	23.69	20.87	18.99	17.49	15.83	14.78	13.84	13.06	12.23
90.0	20.43	18.21	16.72	15.55	14.28	13.45	12.79	12.12	11.51
135.0	23.86	21.42	19.32	17.21	15.83	14.67	13.45	12.68	12.01
180.0	27.18	24.19	21.70	19.04	17.27	15.89	14.34	13.40	12.51
225.0	24.30	21.92	19.93	17.88	16.44	15.28	14.12	13.28	12.57
270.0	27.84	25.13	22.86	20.81	18.71	17.33	16.16	15.17	14.06
315.0	22.92	20.76	18.93	17.05	15.78	14.50	13.56	12.84	12.01
360.0	20.26	18.05	16.55	15.33	14.28	13.17	12.51	11.73	11.18

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.74	10.24	9.91	9.63	9.41	9.13	8.91	8.75	8.58
45.0	11.68	11.18	10.79	10.30	10.02	9.74	9.41	9.19	8.91
90.0	11.02	10.63	10.30	9.91	9.63	9.30	9.08	8.91	8.64
135.0	11.29	10.85	10.46	10.13	9.74	9.47	9.24	9.08	8.75
180.0	11.85	11.18	10.68	10.30	9.91	9.63	9.35	9.13	8.86
225.0	11.85	11.35	10.90	10.46	10.13	9.85	9.52	9.30	9.02
270.0	13.34	12.57	12.01	11.46	11.07	10.68	10.41	10.13	9.74
315.0	11.46	11.02	10.52	10.13	9.85	9.63	9.35	9.13	8.91
360.0	10.74	10.24	9.91	9.63	9.41	9.13	8.91	8.75	8.58

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.30	8.19	8.03	7.80	7.64	7.47	7.25	7.09	6.92
45.0	8.75	8.52	8.36	8.14	7.97	7.80	7.58	7.36	7.14
90.0	8.47	8.30	8.08	7.86	7.69	7.47	7.25	7.03	6.86
135.0	8.58	8.36	8.19	7.97	7.75	7.58	7.36	7.20	6.97
180.0	8.69	8.47	8.25	8.03	7.80	7.64	7.42	7.25	7.09
225.0	8.75	8.47	8.25	8.03	7.86	7.58	7.36	7.20	6.92
270.0	9.47	9.19	8.91	8.64	8.41	8.14	7.86	7.58	7.36
315.0	8.69	8.47	8.30	8.08	7.80	7.64	7.36	7.20	7.03
360.0	8.30	8.19	8.03	7.80	7.64	7.47	7.25	7.09	6.92

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.70	6.53	6.42	6.31	6.14	6.03	5.92	5.81	5.70
45.0	6.97	6.81	6.64	6.48	6.31	6.25	6.14	5.98	5.87
90.0	6.70	6.53	6.42	6.25	6.14	6.03	5.87	5.76	5.65
135.0	6.81	6.64	6.48	6.31	6.25	6.14	5.98	5.87	5.76
180.0	6.81	6.70	6.53	6.31	6.20	6.09	5.92	5.81	5.70
225.0	6.70	6.53	6.37	6.25	6.09	5.92	5.87	5.76	5.65
270.0	7.14	6.97	6.75	6.59	6.42	6.25	6.09	5.98	5.87
315.0	6.81	6.64	6.48	6.37	6.20	6.09	5.98	5.87	5.70
360.0	6.70	6.53	6.42	6.31	6.14	6.03	5.92	5.81	5.70

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.59	5.48	5.42	5.37	5.26	5.20	5.09	5.09	4.98
45.0	5.76	5.65	5.54	5.48	5.37	5.26	5.15	5.09	5.04
90.0	5.59	5.54	5.42	5.31	5.26	5.20	5.15	5.04	4.98
135.0	5.65	5.59	5.48	5.37	5.31	5.20	5.20	5.20	4.98
180.0	5.59	5.54	5.48	5.37	5.26	5.20	5.15	5.15	5.04
225.0	5.54	5.48	5.37	5.26	5.20	5.15	5.20	5.09	5.09
270.0	5.76	5.65	5.59	5.54	5.37	5.31	5.26	5.20	5.04
315.0	5.65	5.59	5.54	5.42	5.31	5.26	5.20	5.15	5.04
360.0	5.59	5.48	5.42	5.37	5.26	5.20	5.09	5.09	4.98

Intensity data(cd)

C/γ(°)	90.0
0.0	4.93
45.0	4.98
90.0	4.93
135.0	5.04
180.0	5.09
225.0	5.15
270.0	5.04
315.0	4.98
360.0	4.93