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NT

Client:
LumCAT: 2-2643-L
Luminaire: 92.70.412.00
Report No: 20231116-B006
Ballast type: AC

Test No: 20231116-C006	Voltage(V): 34.630
LampCAT: Fortimo_SLM_C_1210	Current(A): 0.720
Lamp flux(lm): 4030.4	Power (W): 24.933
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3744.87, Efficiency(%): 92.92% , Luminous Efficacy(lm/W): 150.20
Central intensity(cd): 19233.300, Maximum intensity(cd): 19233.300
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.4
[C90/270]Total=18.4
Field angle(10%Imax): [C0/180]Total=47.2
[C90/270]Total=47.2
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.34 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.92%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.868%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	19233.301	0.000	0	0.00%	0.00%
1.0	19041.639	18.314	18.314	0.45%	0.49%
2.0	18613.340	54.046	72.36	1.34%	1.93%
3.0	17911.732	87.356	159.716	2.17%	4.26%
4.0	16808.813	116.221	275.937	2.88%	7.37%
5.0	15335.715	138.284	414.221	3.43%	11.06%
6.0	13897.421	153.628	567.849	3.81%	15.16%
7.0	12226.711	162.152	730.001	4.02%	19.49%
8.0	11027.337	166.425	896.425	4.13%	23.94%
9.0	9828.654	169.026	1065.452	4.19%	28.45%
10.0	8510.201	165.960	1231.412	4.12%	32.88%
11.0	7374.622	158.722	1390.134	3.94%	37.12%
12.0	6416.243	150.754	1540.888	3.74%	41.15%
13.0	5639.079	143.066	1683.954	3.55%	44.97%
14.0	5002.443	136.211	1820.164	3.38%	48.60%
15.0	4499.694	130.450	1950.614	3.24%	52.09%
16.0	4041.851	125.158	2075.772	3.11%	55.43%
17.0	3646.695	119.731	2195.503	2.97%	58.63%
18.0	3312.982	114.750	2310.253	2.85%	61.69%
19.0	2997.605	109.791	2420.044	2.72%	64.62%
20.0	2767.057	105.509	2525.553	2.62%	67.44%
21.0	2580.862	102.691	2628.244	2.55%	70.18%
22.0	2310.805	98.300	2726.544	2.44%	72.81%
23.0	2022.621	90.927	2817.471	2.26%	75.24%
24.0	1843.552	84.528	2902	2.10%	77.49%
25.0	1679.567	80.108	2982.108	1.99%	79.63%
26.0	1465.071	74.230	3056.337	1.84%	81.61%
27.0	1323.781	68.230	3124.567	1.69%	83.44%
28.0	1184.567	63.506	3188.073	1.58%	85.13%
29.0	1070.172	58.990	3247.064	1.46%	86.71%
30.0	915.535	53.614	3300.677	1.33%	88.14%
31.0	776.950	47.099	3347.777	1.17%	89.40%
32.0	639.438	40.578	3388.355	1.01%	90.48%
33.0	513.052	33.953	3422.307	0.84%	91.39%
34.0	398.968	27.600	3449.908	0.68%	92.12%
35.0	312.097	22.083	3471.991	0.55%	92.71%
36.0	266.541	18.424	3490.415	0.46%	93.21%
37.0	236.007	16.390	3506.805	0.41%	93.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	209.922	14.884	3521.69	0.37%	94.04%
39.0	170.115	12.972	3534.661	0.32%	94.39%
40.0	153.240	11.277	3545.939	0.28%	94.69%
41.0	136.986	10.335	3556.274	0.26%	94.96%
42.0	123.868	9.477	3565.751	0.24%	95.22%
43.0	111.800	8.730	3574.481	0.22%	95.45%
44.0	101.636	8.056	3582.536	0.20%	95.67%
45.0	92.489	7.460	3589.997	0.19%	95.86%
46.0	85.155	6.947	3596.944	0.17%	96.05%
47.0	77.993	6.489	3603.433	0.16%	96.22%
48.0	72.492	6.083	3609.516	0.15%	96.39%
49.0	67.746	5.759	3615.275	0.14%	96.54%
50.0	63.276	5.463	3620.738	0.14%	96.69%
51.0	59.221	5.183	3625.921	0.13%	96.82%
52.0	55.976	4.943	3630.864	0.12%	96.96%
53.0	53.126	4.746	3635.61	0.12%	97.08%
54.0	50.489	4.567	3640.177	0.11%	97.20%
55.0	48.275	4.409	3644.585	0.11%	97.32%
56.0	46.442	4.280	3648.865	0.11%	97.44%
57.0	44.788	4.171	3653.037	0.10%	97.55%
58.0	43.376	4.077	3657.114	0.10%	97.66%
59.0	42.145	3.998	3661.112	0.10%	97.76%
60.0	41.024	3.929	3665.041	0.10%	97.87%
61.0	40.048	3.869	3668.91	0.10%	97.97%
62.0	39.017	3.810	3672.72	0.09%	98.07%
63.0	37.813	3.737	3676.457	0.09%	98.17%
64.0	36.506	3.647	3680.103	0.09%	98.27%
65.0	35.198	3.549	3683.652	0.09%	98.37%
66.0	33.766	3.441	3687.093	0.09%	98.46%
67.0	32.347	3.324	3690.417	0.08%	98.55%
68.0	30.887	3.203	3693.62	0.08%	98.63%
69.0	29.732	3.092	3696.713	0.08%	98.71%
70.0	28.493	2.990	3699.703	0.07%	98.79%
71.0	27.400	2.889	3702.592	0.07%	98.87%
72.0	26.466	2.801	3705.393	0.07%	98.95%
73.0	25.601	2.723	3708.116	0.07%	99.02%
74.0	24.778	2.649	3710.764	0.07%	99.09%
75.0	24.065	2.581	3713.345	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.359	2.517	3715.862	0.06%	99.23%
77.0	22.626	2.452	3718.314	0.06%	99.29%
78.0	21.989	2.388	3720.702	0.06%	99.35%
79.0	21.318	2.327	3723.029	0.06%	99.42%
80.0	20.640	2.262	3725.291	0.06%	99.48%
81.0	19.996	2.198	3727.489	0.05%	99.54%
82.0	19.346	2.133	3729.622	0.05%	99.59%
83.0	18.765	2.072	3731.694	0.05%	99.65%
84.0	18.211	2.014	3733.708	0.05%	99.70%
85.0	17.755	1.963	3735.671	0.05%	99.75%
86.0	17.291	1.916	3737.587	0.05%	99.81%
87.0	16.897	1.871	3739.458	0.05%	99.86%
88.0	16.530	1.831	3741.289	0.05%	99.90%
89.0	16.302	1.800	3743.089	0.04%	99.95%
90.0	16.108	1.777	3744.866	0.04%	100.00%

Zonal flux distribution table

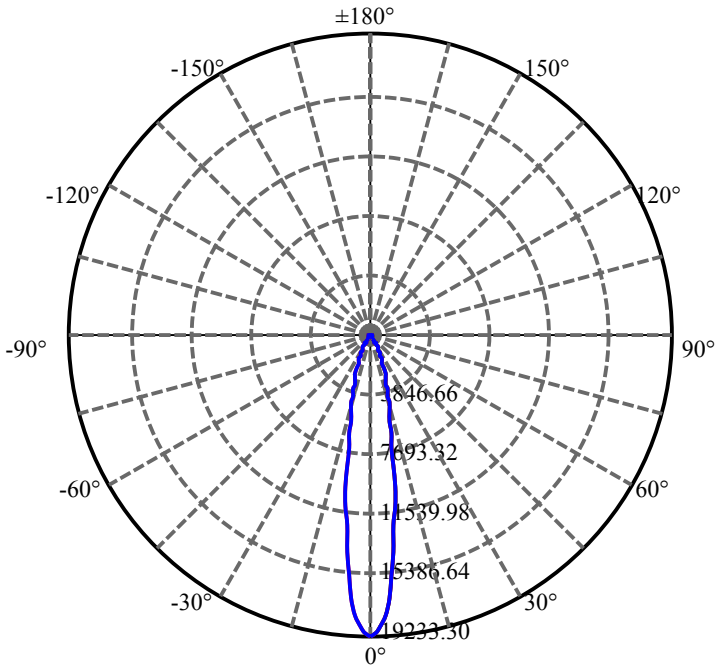
ZONAL LUMEN SUMMARY

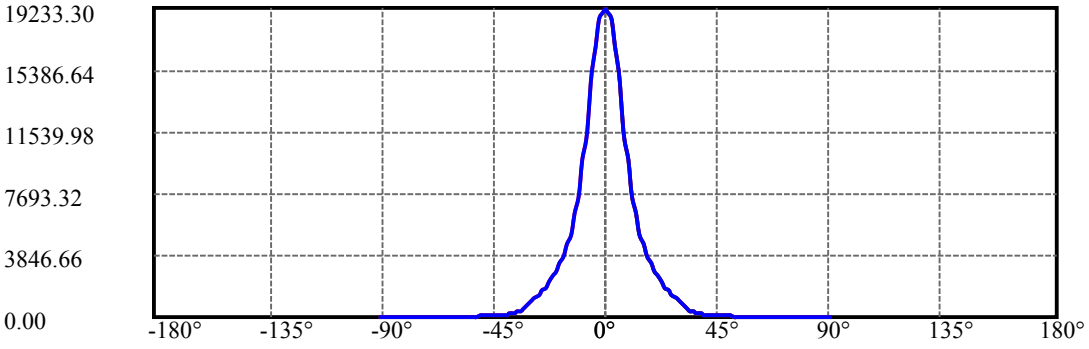
Zone	Lumens	%Lamp	%Fixt
0-30	3300.68	81.89%	88.14%
0-40	3545.94	87.98%	94.69%
0-60	3665.04	90.93%	97.87%
0-90	3743.09	92.87%	99.95%
0-120	3743.09	92.87%	99.95%
0-180	3744.87	92.92%	100.00%
60-90	78.05	1.94%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.19	2995.89	74.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	1231.41
10-20	1294.14
20-30	775.12
30-40	245.26
40-50	74.80
50-60	44.30
60-70	34.66
70-80	25.59
80-90	17.80
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):

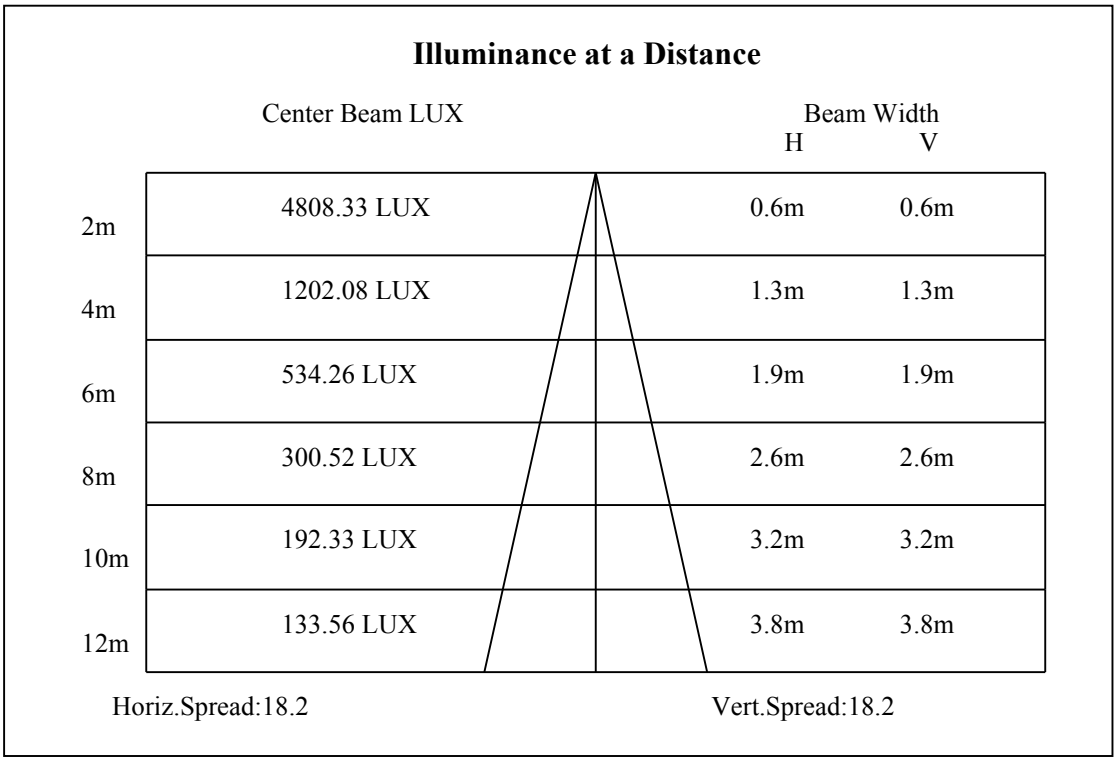
C0/C180:

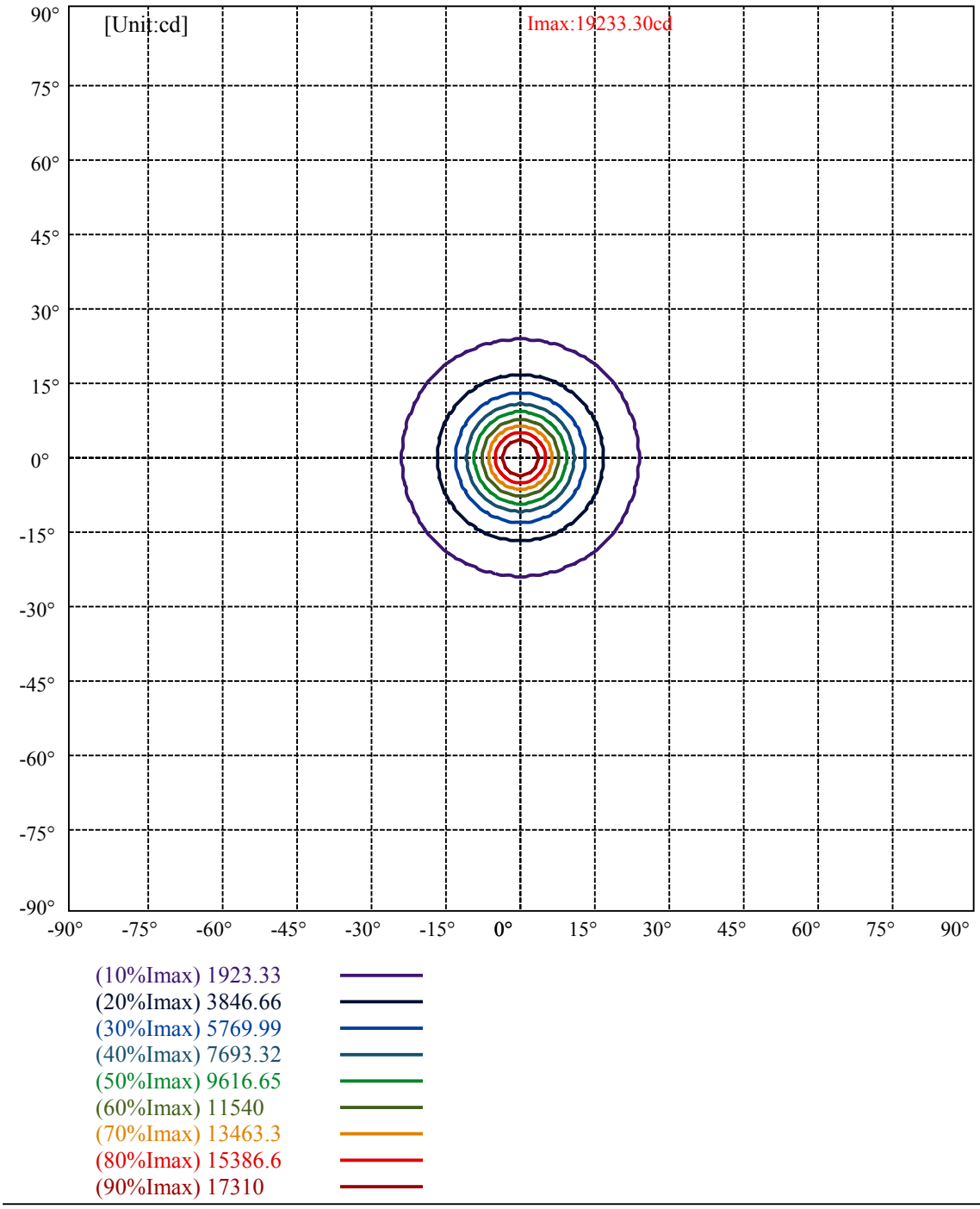
C90/C270:

Field angle(10%Imax):C0/180Left:23.6 Right:23.6
:C90/270Left:23.6 Right:23.6

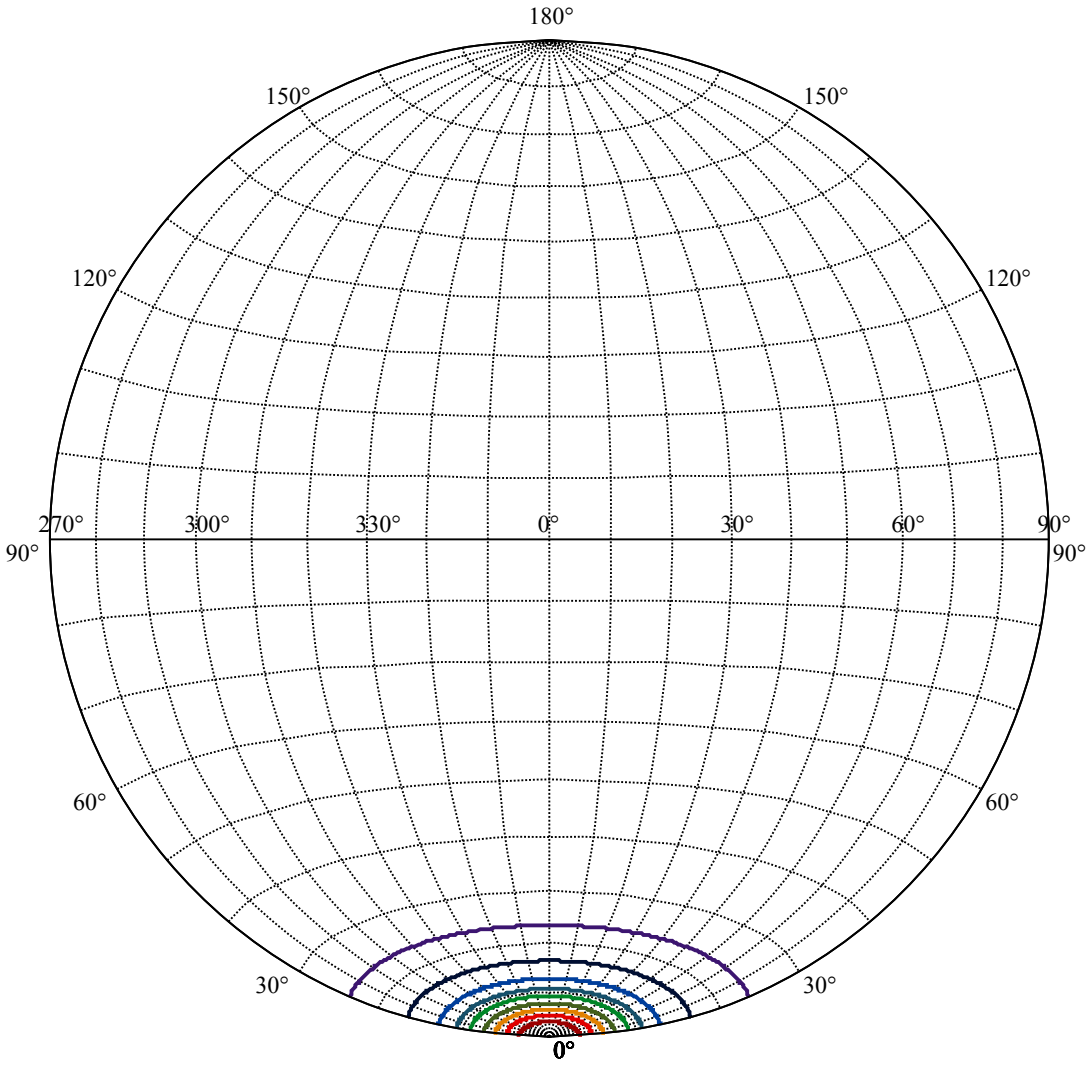
Beam Angle(50%Imax):C0/180Left:9.2 Right:9.2
:C90/270Left:9.2 Right:9.2

Lux distance Curve




[Unit:cd]
Imax:19233.30cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 1923.33
(20%Imax) 3846.66
(30%Imax) 5769.99
(40%Imax) 7693.32
(50%Imax) 9616.65
(60%Imax) 11540
(70%Imax) 13463.3
(80%Imax) 15386.6
(90%Imax) 17310

ISO candela diagram on circular web



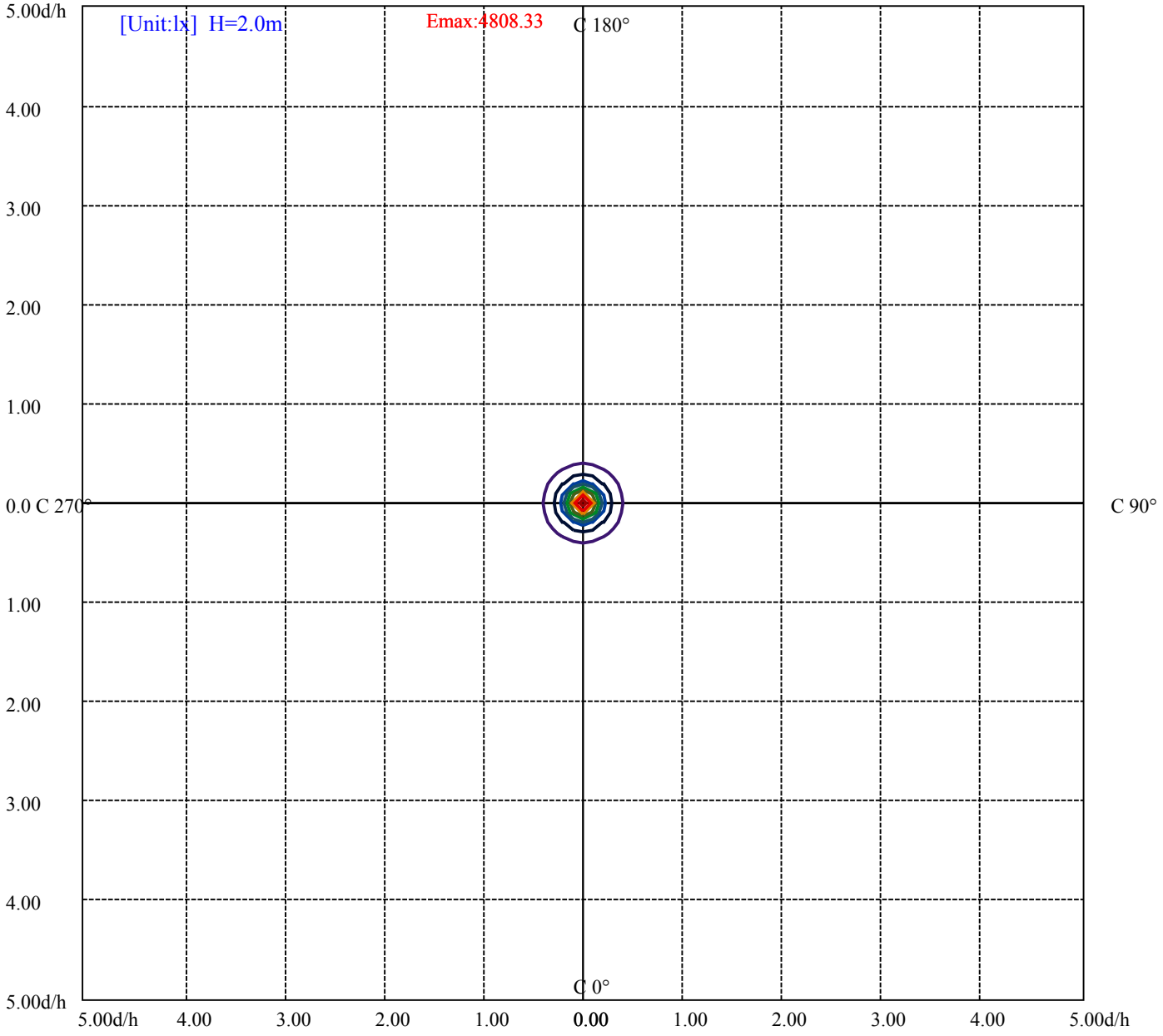
[Unit:cd]

Imax:19233.30

(10%Imax) 1923.33
(20%Imax) 3846.66
(30%Imax) 5769.99
(40%Imax) 7693.32
(50%Imax) 9616.65
(60%Imax) 11540
(70%Imax) 13463.3
(80%Imax) 15386.6
(90%Imax) 17310

NT 2-2643-L

ISO illuminance diagram



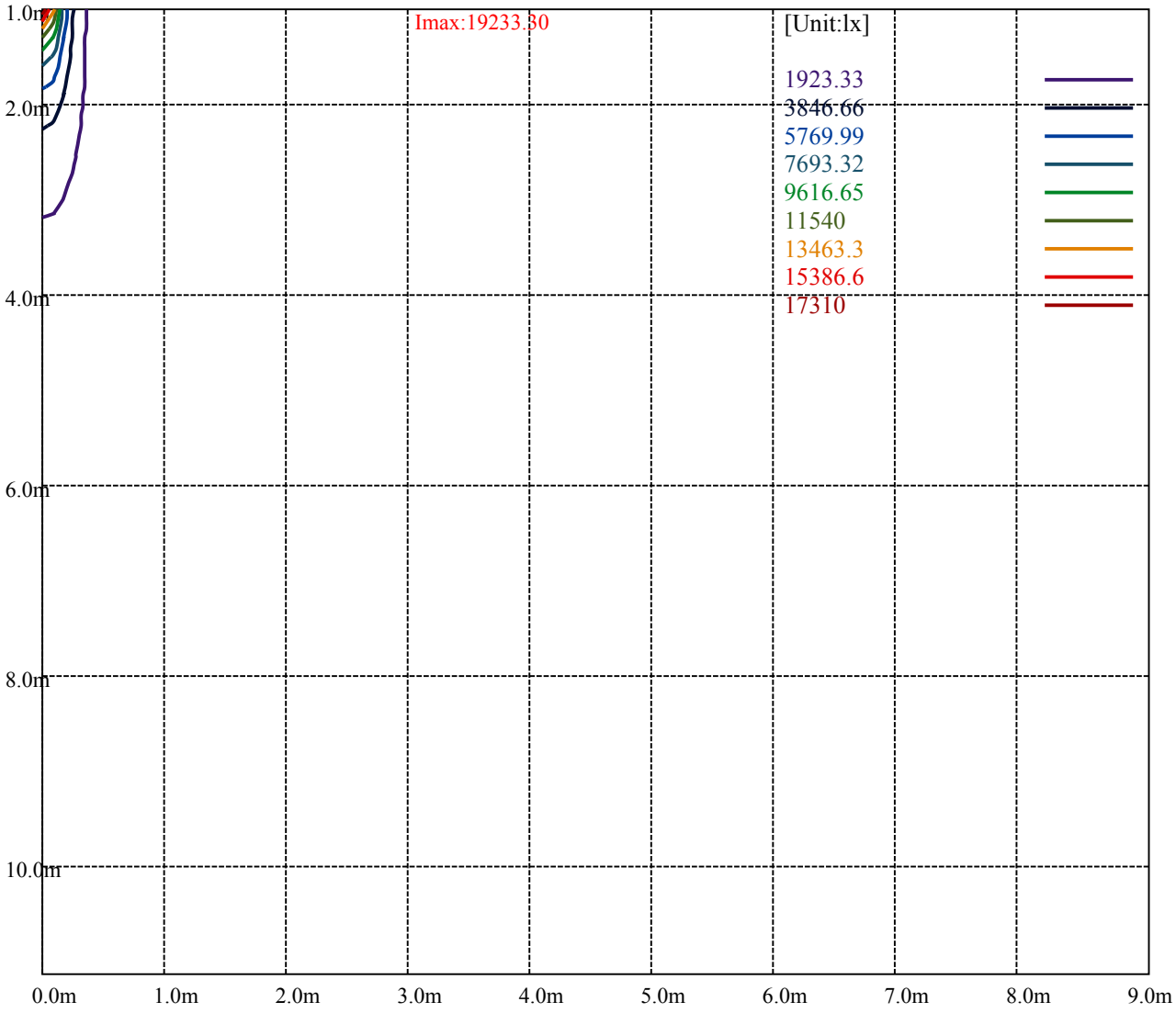
(10%Emax) 480.8325
(20%Emax) 961.6625
(30%Emax) 1442.495
(40%Emax) 1923.328
(50%Emax) 2404.157
(60%Emax) 2885
(70%Emax) 3365.825
(80%Emax) 3846.65
(90%Emax) 4327.475

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/16
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/16
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2643-L

Luminance Limitting Curve(no luminous side)

Luminance Table

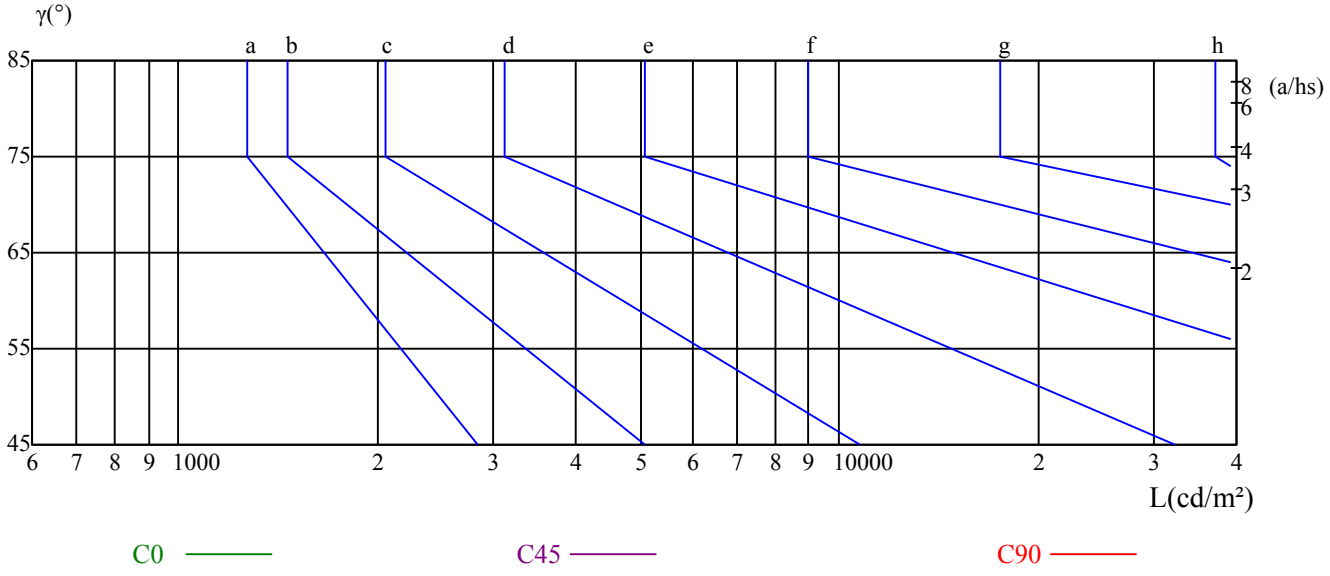
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

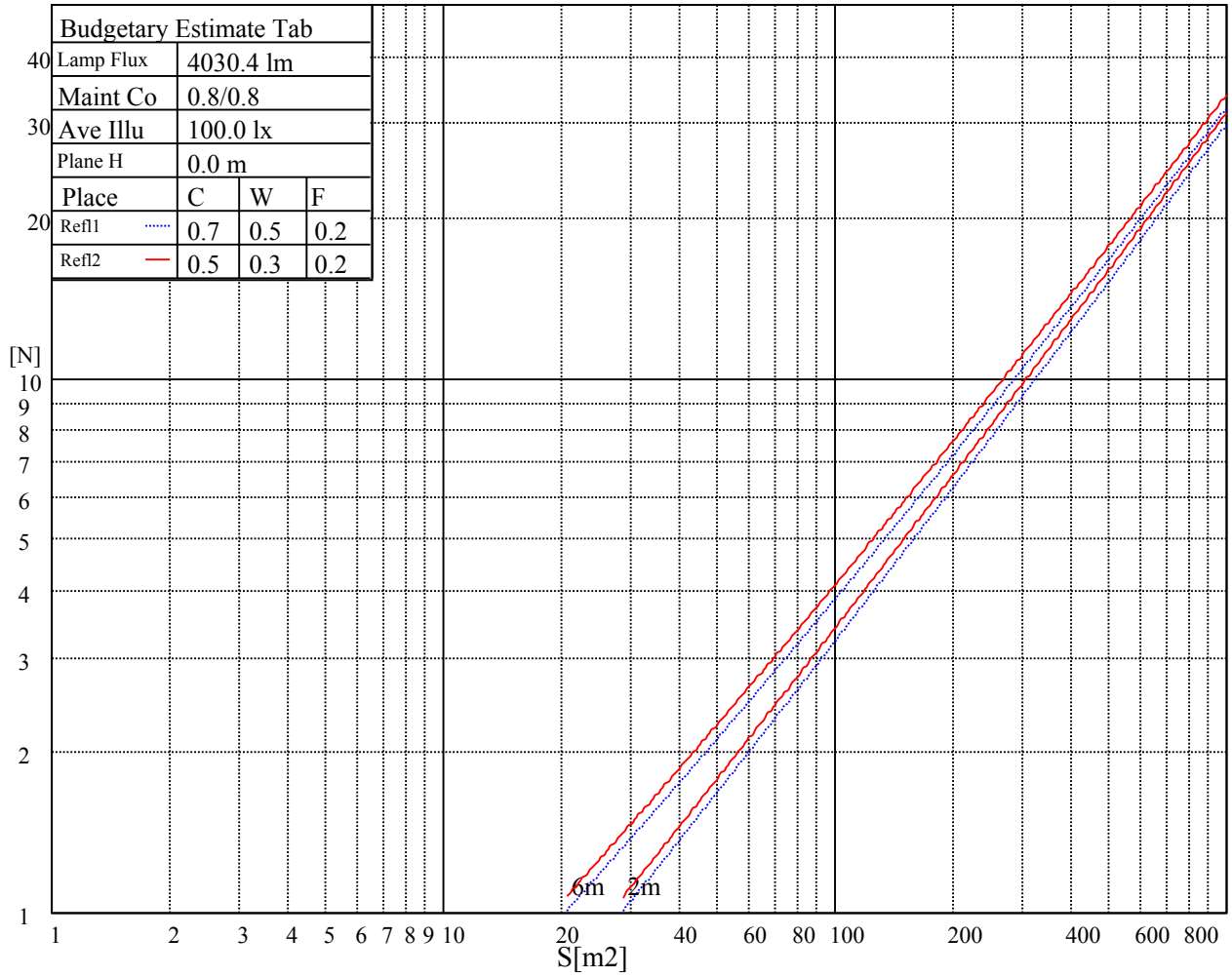
Luminance Limitting Curve



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

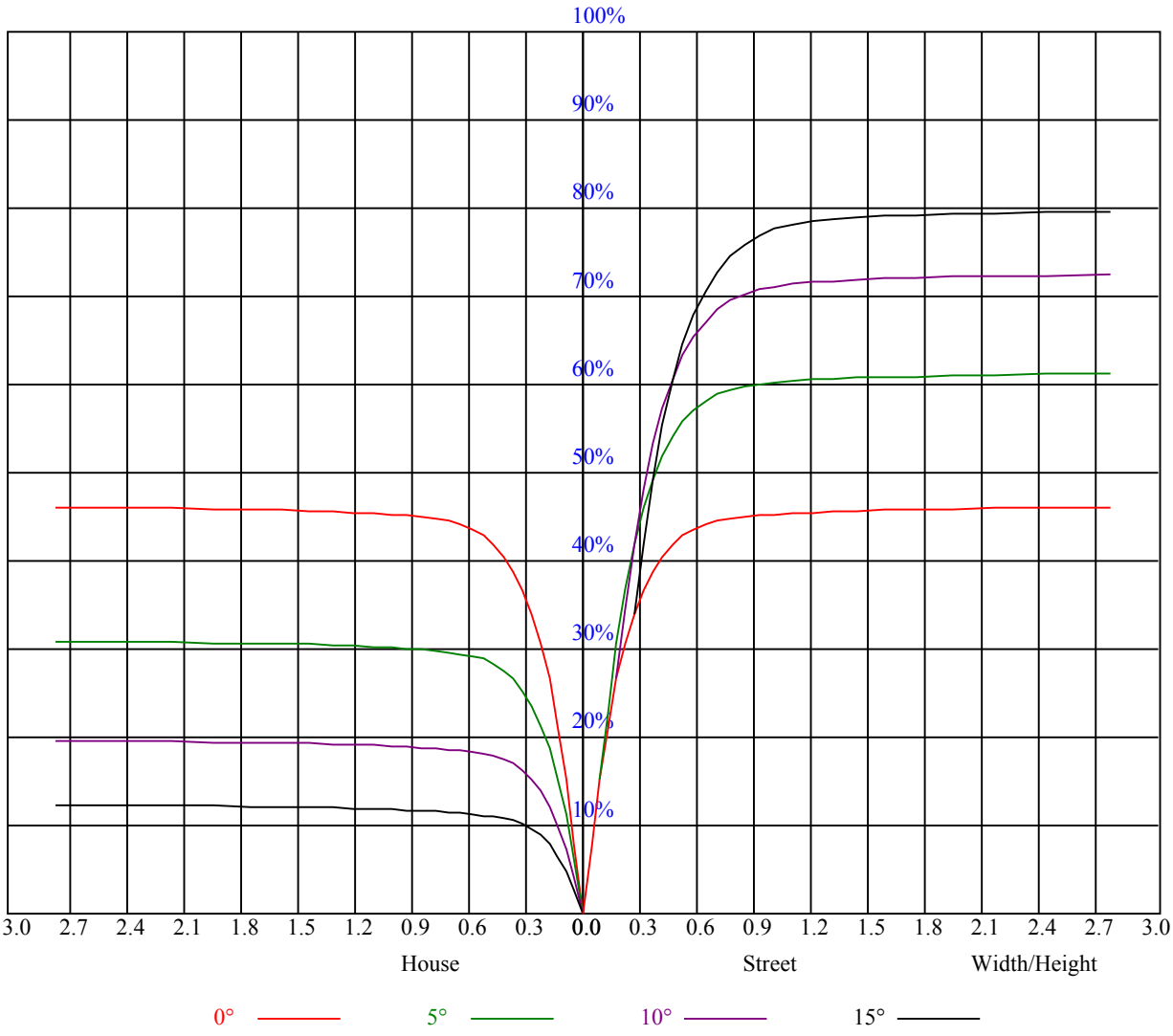


Equipment: GMS1980 Date: 2023/11/16 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
6	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.73	0.70	0.69
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/16	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	19058.24	18371.86	17580.30	16589.47	15056.18	12687.05	10877.54	10877.54	9224.12
45.0	19329.48	19013.96	18449.35	17641.19	16323.78	15056.18	13705.55	12305.11	10583.61
90.0	19130.20	18438.28	17602.44	16578.40	14995.29	12587.41	10789.52	10448.55	9143.86
135.0	19395.90	19202.16	18709.52	17945.64	16655.90	15382.77	14010.00	12637.23	10921.27
180.0	19058.24	19340.55	19312.87	18958.61	18338.65	17209.43	16063.61	14718.52	13284.86
225.0	19368.22	19346.08	19052.71	18316.51	17425.31	16318.24	14652.10	11008.17	11008.17
270.0	19130.20	19373.76	19346.08	19041.64	18327.58	17469.60	16384.67	15089.39	13323.61
315.0	19395.90	19246.45	18853.44	18222.41	17347.82	15975.05	14696.38	10729.19	10729.19
360.0	19058.24	18371.86	17580.30	16589.47	15056.18	12687.05	10877.54	10877.54	9224.12

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8054.50	7058.69	6221.19	5377.05	4842.33	4388.99	3985.46	3542.63	3241.51
45.0	9288.33	8120.37	7118.47	6094.43	5446.79	4904.33	4328.65	3930.11	3503.88
90.0	7982.54	6776.94	6001.44	5353.25	4831.26	4281.05	3896.34	3555.92	3255.90
135.0	9576.17	8070.55	7068.65	6055.68	5408.05	4865.58	4406.15	3902.43	3553.70
180.0	11502.48	10146.31	8817.83	7655.40	6476.37	5723.56	5125.74	4511.32	4101.70
225.0	10307.95	8662.28	7548.02	6613.09	5849.21	5081.46	4577.19	4152.63	3691.53
270.0	11884.42	10506.11	8851.04	7705.22	6520.65	5773.38	5164.49	4644.17	4101.70
315.0	10032.84	8740.33	7370.33	6475.82	5737.95	5001.20	4513.53	4095.61	3723.64
360.0	8054.50	7058.69	6221.19	5377.05	4842.33	4388.99	3985.46	3542.63	3241.51

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2970.27	2653.10	2413.97	2139.97	1958.41	1814.49	1678.32	1500.64	1098.66
45.0	3216.04	2939.28	2817.50	2817.50	2172.08	1981.11	1790.14	1651.75	1510.05
90.0	2920.46	2670.26	2428.92	2147.72	1958.41	1772.42	1638.47	1495.10	1091.68
135.0	3249.26	2978.02	2845.18	2845.18	2204.73	2003.80	1802.31	1662.82	1480.16
180.0	3736.37	3326.75	3038.91	2850.71	2850.71	2267.28	2053.07	1873.72	1697.14
225.0	3367.16	3002.93	2743.32	2503.64	2278.91	2019.30	1841.61	1698.80	1562.63
270.0	3730.83	3387.64	3088.73	2823.03	2823.03	2293.30	2080.74	1858.22	1723.71
315.0	3313.47	3022.86	2759.93	2519.14	2240.16	2029.26	1863.76	1695.48	1556.54
360.0	2970.27	2653.10	2413.97	2139.97	1958.41	1814.49	1678.32	1500.64	1098.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1098.66	1063.01	886.32	749.71	618.47	496.36	367.16	290.77	236.58
45.0	1364.47	1181.80	1037.88	896.17	758.34	595.05	479.36	360.35	291.71
90.0	1091.68	1022.05	885.27	721.15	595.77	477.92	373.53	277.16	234.92
135.0	1334.02	1190.66	1019.06	888.43	762.22	639.33	520.88	386.37	299.46
180.0	1563.74	1421.48	1277.56	1103.20	962.60	788.79	655.39	531.95	393.56
225.0	1279.22	1097.55	1097.55	956.18	783.42	649.91	525.86	392.62	308.76
270.0	1590.86	1413.73	1271.47	1095.45	954.85	817.57	652.62	531.39	421.79
315.0	1267.60	1086.26	1086.26	914.00	779.93	650.57	529.62	421.13	309.98
360.0	1098.66	1063.01	886.32	749.71	618.47	496.36	367.16	290.77	236.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	212.83	191.36	168.22	152.06	137.72	122.50	111.48	101.96	93.44
45.0	291.71	214.83	193.46	174.92	158.37	140.49	128.09	116.91	107.22
90.0	212.06	191.86	169.11	153.16	135.84	123.94	113.03	101.80	93.77
135.0	281.20	281.20	182.83	164.90	148.79	131.69	119.90	109.32	97.92
180.0	305.00	287.29	287.29	184.00	166.12	150.12	135.39	119.40	108.66
225.0	250.81	211.84	191.14	168.16	151.50	136.39	123.27	109.38	99.58
270.0	329.35	292.27	292.27	192.96	173.15	151.28	136.11	122.88	111.70
315.0	249.37	217.43	195.07	170.77	154.44	139.49	123.66	112.76	100.80
360.0	212.83	191.36	168.22	152.06	137.72	122.50	111.48	101.96	93.44

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	84.08	78.33	73.23	68.14	62.99	59.67	56.46	53.08	50.93
45.0	96.32	88.40	82.20	75.11	69.97	65.65	61.00	57.62	54.30
90.0	86.07	79.71	72.90	68.08	63.88	60.34	56.29	53.58	51.20
135.0	90.50	81.92	75.83	70.91	66.37	61.22	57.79	54.74	51.98
180.0	99.14	91.06	82.42	76.22	71.24	66.04	62.00	57.73	55.02
225.0	91.39	84.41	76.39	71.41	67.09	62.77	58.29	55.41	51.87
270.0	99.47	91.67	83.03	76.66	71.74	66.26	62.22	58.95	56.02
315.0	92.94	85.74	77.94	73.40	68.69	64.27	59.73	56.68	53.69
360.0	84.08	78.33	73.23	68.14	62.99	59.67	56.46	53.08	50.93

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	48.66	46.66	45.22	44.01	42.84	41.57	40.68	39.91	38.42
45.0	51.92	49.76	47.77	45.89	44.78	43.56	42.29	41.29	40.24
90.0	48.60	46.66	45.00	43.51	42.40	41.24	40.02	39.30	38.25
135.0	49.15	47.22	45.45	43.45	42.12	41.02	39.69	38.69	38.03
180.0	52.31	49.49	47.55	45.89	44.34	42.68	41.74	40.68	39.58
225.0	49.54	47.60	45.56	43.84	42.57	41.52	40.46	39.36	38.47
270.0	52.53	50.15	48.16	46.55	44.45	43.18	42.18	41.02	39.80
315.0	51.20	48.66	46.83	45.17	43.51	42.40	41.13	40.13	39.36
360.0	48.66	46.66	45.22	44.01	42.84	41.57	40.68	39.91	38.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	36.98	35.65	34.32	32.55	31.33	29.67	28.51	27.51	26.35
45.0	38.58	37.20	35.65	34.10	32.38	31.11	29.67	28.23	27.40
90.0	36.64	35.09	33.60	32.22	31.00	29.39	28.29	27.29	26.24
135.0	36.81	35.59	34.49	33.27	31.55	30.33	29.28	28.12	26.90
180.0	38.53	37.64	36.37	34.76	33.60	31.88	30.78	29.67	28.51
225.0	37.75	36.09	34.87	33.71	32.05	30.83	29.78	28.34	27.40
270.0	39.08	38.03	36.70	35.15	33.88	32.49	31.33	29.89	28.62
315.0	38.14	36.75	35.59	34.37	32.99	31.39	30.22	28.89	27.79
360.0	36.98	35.65	34.32	32.55	31.33	29.67	28.51	27.51	26.35

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.57	24.85	24.13	23.30	22.69	22.03	21.42	20.54	19.98
45.0	26.51	25.68	24.80	24.08	23.41	22.69	21.98	21.31	20.70
90.0	25.46	24.58	23.91	23.25	22.36	21.75	21.09	20.43	19.71
135.0	26.07	25.24	24.30	23.75	23.14	22.31	21.70	21.09	20.37
180.0	27.23	26.40	25.63	24.96	24.08	23.47	22.86	22.20	21.48
225.0	26.57	25.57	24.91	24.19	23.53	22.75	22.14	21.59	20.98
270.0	27.62	26.74	25.74	24.96	24.24	23.41	22.75	22.09	21.31
315.0	26.68	25.74	24.80	24.02	23.41	22.58	21.98	21.31	20.59
360.0	25.57	24.85	24.13	23.30	22.69	22.03	21.42	20.54	19.98

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.43	18.82	18.21	17.82	17.33	16.94	16.66	16.11	16.22
45.0	19.87	19.26	18.54	18.05	17.60	17.16	16.77	16.72	15.94
90.0	19.15	18.54	18.05	17.55	17.21	16.77	16.50	15.89	16.27
135.0	19.71	19.04	18.49	17.99	17.55	17.10	16.77	16.44	15.83
180.0	20.87	20.15	19.54	18.82	18.38	17.88	17.33	16.94	16.66
225.0	20.26	19.60	18.99	18.43	17.93	17.49	16.99	16.72	16.61
270.0	20.70	20.04	19.43	18.88	18.27	17.71	17.33	16.88	16.55
315.0	19.98	19.32	18.88	18.16	17.77	17.27	16.83	16.55	16.33
360.0	19.43	18.82	18.21	17.82	17.33	16.94	16.66	16.11	16.22

Intensity data(cd)

C/γ(°)	90.0
0.0	16.27
45.0	16.38
90.0	16.16
135.0	16.11
180.0	16.11
225.0	15.89
270.0	16.05
315.0	15.89
360.0	16.27