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NT

Client:
LumCAT: 2-2642-L
Luminaire: 92.70.412.00
Report No: 20231116-B018
Ballast type: AC

Test No: 20231116-C018	Voltage(V): 34.600
LampCAT: Fortimo_SLM_C_1210_L15	Current(A): 0.720
Lamp flux(lm): 4030.4	Power (W): 24.912
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3732.96, Efficiency(%): 92.62% , Luminous Efficacy(lm/W): 149.85
Central intensity(cd): 5769.367, Maximum intensity(cd): 5769.714
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=48.8
[C90/270]Total=48.8
Field angle(10%Imax): [C0/180]Total=71.8
[C90/270]Total=71.8
Maximum s/h(1/2): C0_180=0.77 C90_270=0.77
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.62%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.834%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5769.367	0.000	0	0.00%	0.00%
1.0	5769.713	5.521	5.521	0.14%	0.15%
2.0	5766.185	16.557	22.079	0.41%	0.59%
3.0	5754.837	27.555	49.633	0.68%	1.33%
4.0	5727.575	38.435	88.068	0.95%	2.36%
5.0	5687.167	49.106	137.174	1.22%	3.67%
6.0	5628.769	59.468	196.642	1.48%	5.27%
7.0	5553.696	69.409	266.052	1.72%	7.13%
8.0	5461.947	78.837	344.889	1.96%	9.24%
9.0	5358.851	87.697	432.585	2.18%	11.59%
10.0	5245.100	95.962	528.547	2.38%	14.16%
11.0	5108.376	103.452	632	2.57%	16.93%
12.0	4969.646	110.167	742.167	2.73%	19.88%
13.0	4826.626	116.257	858.424	2.88%	23.00%
14.0	4677.033	121.646	980.07	3.02%	26.25%
15.0	4528.063	126.372	1106.442	3.14%	29.64%
16.0	4370.513	130.389	1236.831	3.24%	33.13%
17.0	4210.264	133.626	1370.456	3.32%	36.71%
18.0	4057.488	136.317	1506.774	3.38%	40.36%
19.0	3883.055	138.149	1644.923	3.43%	44.06%
20.0	3707.100	138.921	1783.844	3.45%	47.79%
21.0	3534.604	139.055	1922.899	3.45%	51.51%
22.0	3356.711	138.484	2061.383	3.44%	55.22%
23.0	3157.231	136.680	2198.063	3.39%	58.88%
24.0	2961.556	133.779	2331.842	3.32%	62.47%
25.0	2779.789	130.546	2462.387	3.24%	65.96%
26.0	2588.611	126.722	2589.109	3.14%	69.36%
27.0	2380.274	121.565	2710.674	3.02%	72.61%
28.0	2157.130	114.877	2825.551	2.85%	75.69%
29.0	1953.152	107.537	2933.088	2.67%	78.57%
30.0	1670.772	97.845	3030.933	2.43%	81.19%
31.0	1430.136	86.294	3117.227	2.14%	83.51%
32.0	1236.046	76.383	3193.61	1.90%	85.55%
33.0	1075.631	68.103	3261.713	1.69%	87.38%
34.0	888.923	59.453	3321.166	1.48%	88.97%
35.0	719.057	49.938	3371.104	1.24%	90.31%
36.0	563.873	40.849	3411.953	1.01%	91.40%
37.0	434.581	32.564	3444.517	0.81%	92.27%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	337.761	25.780	3470.296	0.64%	92.96%
39.0	272.104	20.816	3491.113	0.52%	93.52%
40.0	223.414	17.282	3508.395	0.43%	93.98%
41.0	196.471	14.952	3523.347	0.37%	94.38%
42.0	157.509	12.861	3536.207	0.32%	94.73%
43.0	140.204	11.028	3547.235	0.27%	95.02%
44.0	125.480	10.028	3557.263	0.25%	95.29%
45.0	113.143	9.171	3566.434	0.23%	95.54%
46.0	103.228	8.462	3574.895	0.21%	95.77%
47.0	93.956	7.842	3582.738	0.19%	95.98%
48.0	85.833	7.268	3590.006	0.18%	96.17%
49.0	78.727	6.758	3596.764	0.17%	96.35%
50.0	72.956	6.324	3603.088	0.16%	96.52%
51.0	67.850	5.957	3609.045	0.15%	96.68%
52.0	63.643	5.642	3614.687	0.14%	96.83%
53.0	59.692	5.365	3620.053	0.13%	96.98%
54.0	56.440	5.119	3625.171	0.13%	97.11%
55.0	53.631	4.913	3630.084	0.12%	97.24%
56.0	50.863	4.722	3634.806	0.12%	97.37%
57.0	48.517	4.544	3639.35	0.11%	97.49%
58.0	46.393	4.389	3643.739	0.11%	97.61%
59.0	44.435	4.246	3647.985	0.11%	97.72%
60.0	42.657	4.115	3652.1	0.10%	97.83%
61.0	40.886	3.987	3656.087	0.10%	97.94%
62.0	39.336	3.866	3659.952	0.10%	98.04%
63.0	37.876	3.755	3663.708	0.09%	98.14%
64.0	36.513	3.650	3667.358	0.09%	98.24%
65.0	35.226	3.550	3670.908	0.09%	98.34%
66.0	34.015	3.455	3674.363	0.09%	98.43%
67.0	32.811	3.360	3677.723	0.08%	98.52%
68.0	31.731	3.270	3680.992	0.08%	98.61%
69.0	30.631	3.181	3684.174	0.08%	98.69%
70.0	29.607	3.094	3687.268	0.08%	98.78%
71.0	28.645	3.011	3690.278	0.07%	98.86%
72.0	27.704	2.930	3693.208	0.07%	98.94%
73.0	26.715	2.846	3696.054	0.07%	99.01%
74.0	25.836	2.763	3698.817	0.07%	99.09%
75.0	24.964	2.684	3701.501	0.07%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.079	2.603	3704.104	0.06%	99.23%
77.0	23.221	2.522	3706.626	0.06%	99.29%
78.0	22.328	2.438	3709.064	0.06%	99.36%
79.0	21.539	2.357	3711.421	0.06%	99.42%
80.0	20.723	2.278	3713.7	0.06%	99.48%
81.0	19.941	2.199	3715.899	0.05%	99.54%
82.0	19.208	2.123	3718.022	0.05%	99.60%
83.0	18.516	2.051	3720.073	0.05%	99.65%
84.0	17.921	1.985	3722.058	0.05%	99.71%
85.0	17.409	1.928	3723.986	0.05%	99.76%
86.0	16.952	1.878	3725.864	0.05%	99.81%
87.0	16.530	1.832	3727.696	0.05%	99.86%
88.0	16.101	1.787	3729.484	0.04%	99.91%
89.0	15.803	1.749	3731.233	0.04%	99.95%
90.0	15.665	1.725	3732.958	0.04%	100.00%

Zonal flux distribution table

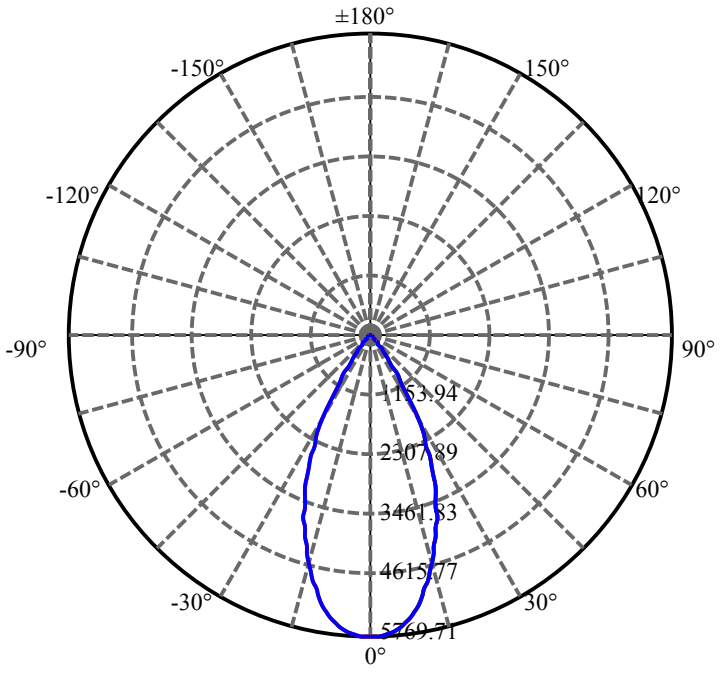
ZONAL LUMEN SUMMARY

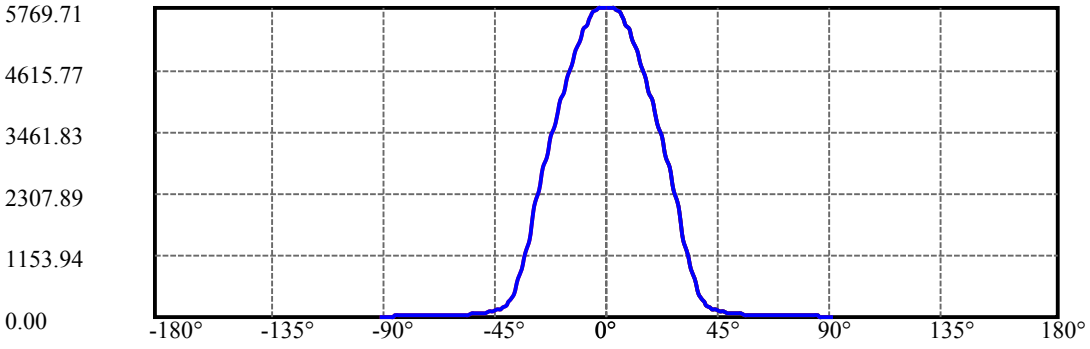
Zone	Lumens	%Lamp	%Fixt
0-30	3030.93	75.20%	81.19%
0-40	3508.39	87.05%	93.98%
0-60	3652.10	90.61%	97.83%
0-90	3731.23	92.58%	99.95%
0-120	3731.23	92.58%	99.95%
0-180	3732.96	92.62%	100.00%
60-90	79.13	1.96%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.54	2986.37	74.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	528.55
10-20	1255.30
20-30	1247.09
30-40	477.46
40-50	94.69
50-60	49.01
60-70	35.17
70-80	26.43
80-90	17.53
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):

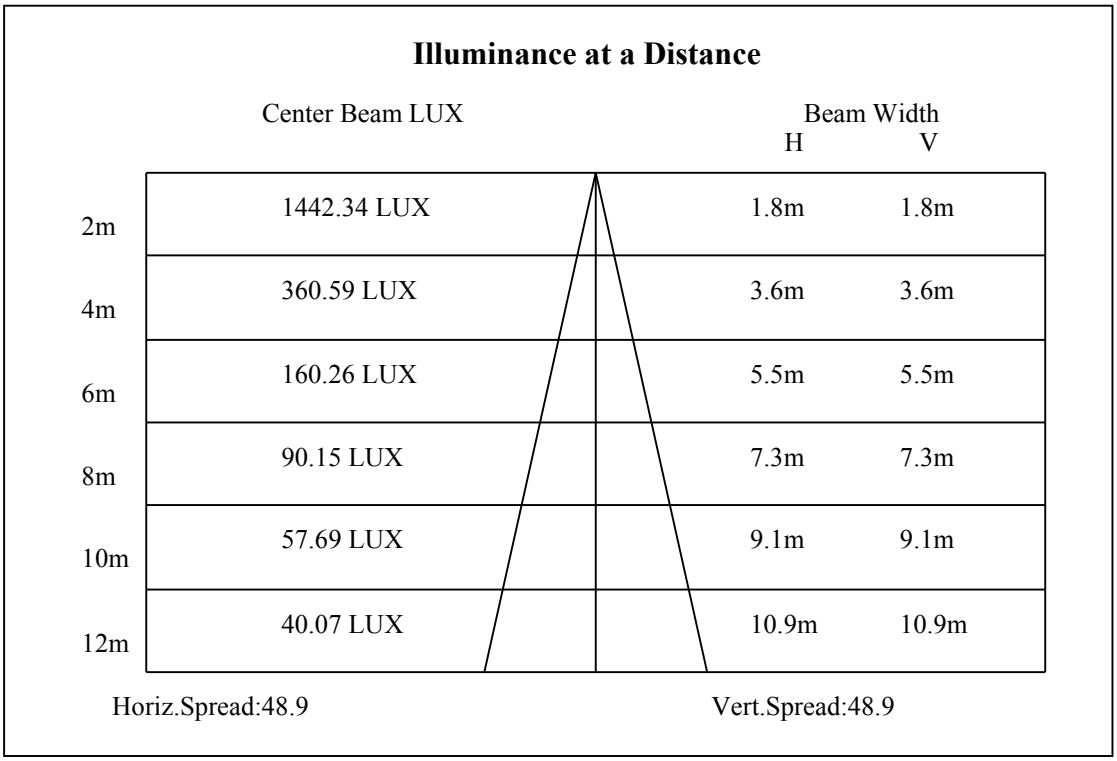
C0/C180:

C90/C270:

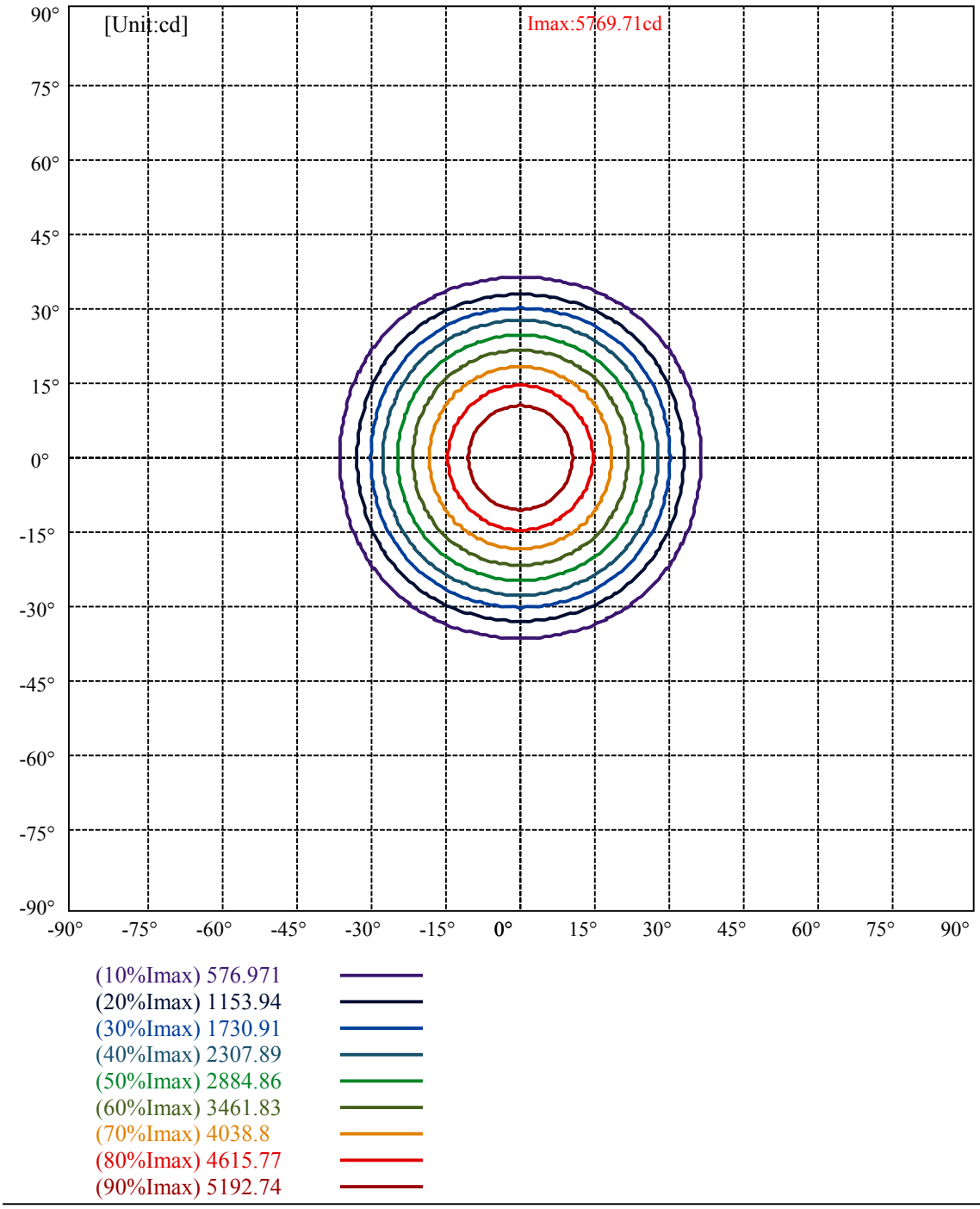
Field angle(10%Imax):C0/180Left:36.9 Right:34.9
:C90/270Left:36.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:25.4 Right:23.4
:C90/270Left:25.4 Right:23.4

Lux distance Curve



ISO-Intensity(V-H)

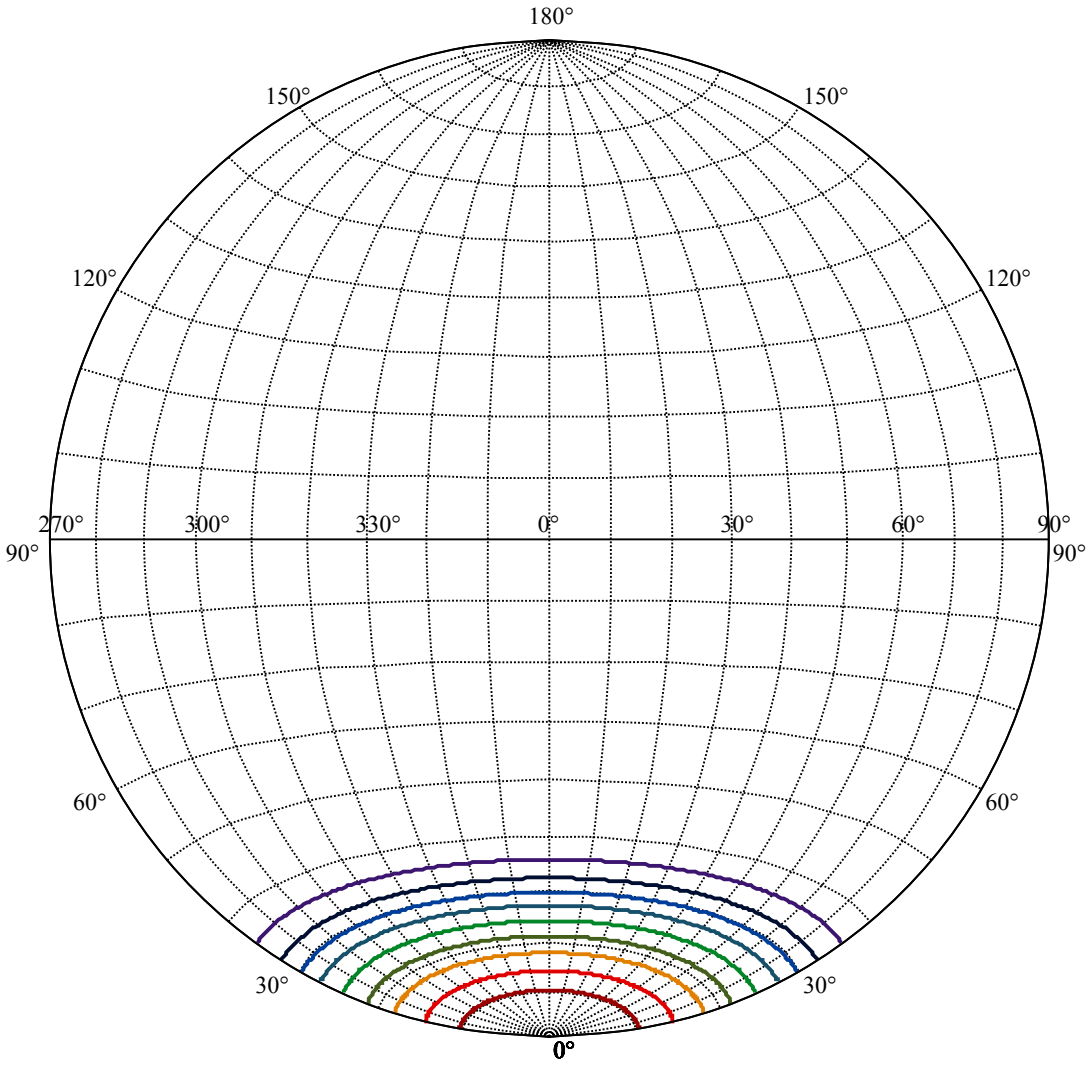


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

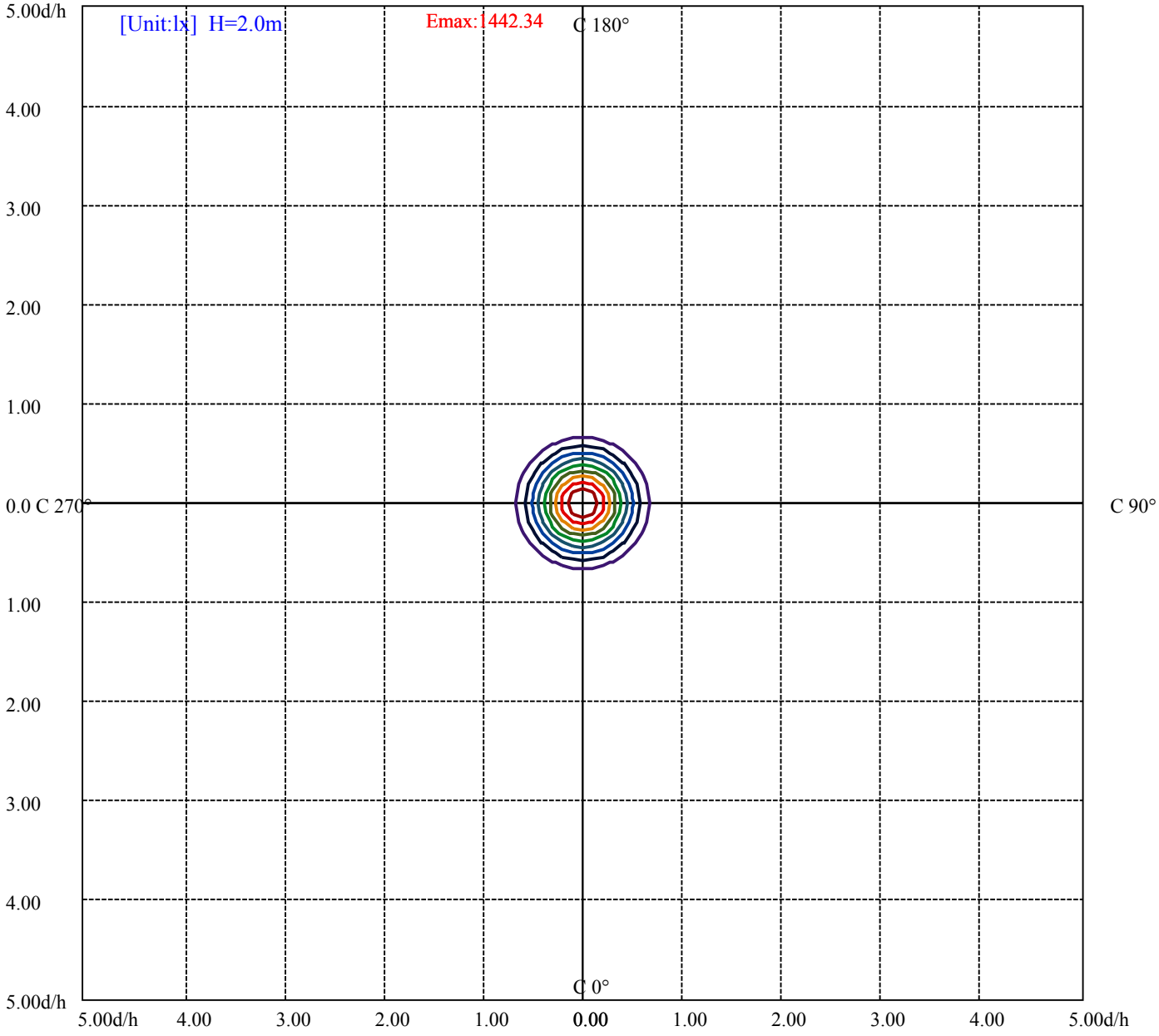
Imax:5769.71

(10%Imax) 576.971
(20%Imax) 1153.94
(30%Imax) 1730.91
(40%Imax) 2307.89
(50%Imax) 2884.86
(60%Imax) 3461.83
(70%Imax) 4038.8
(80%Imax) 4615.77
(90%Imax) 5192.74

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

NT 2-2642-L

ISO illuminance diagram



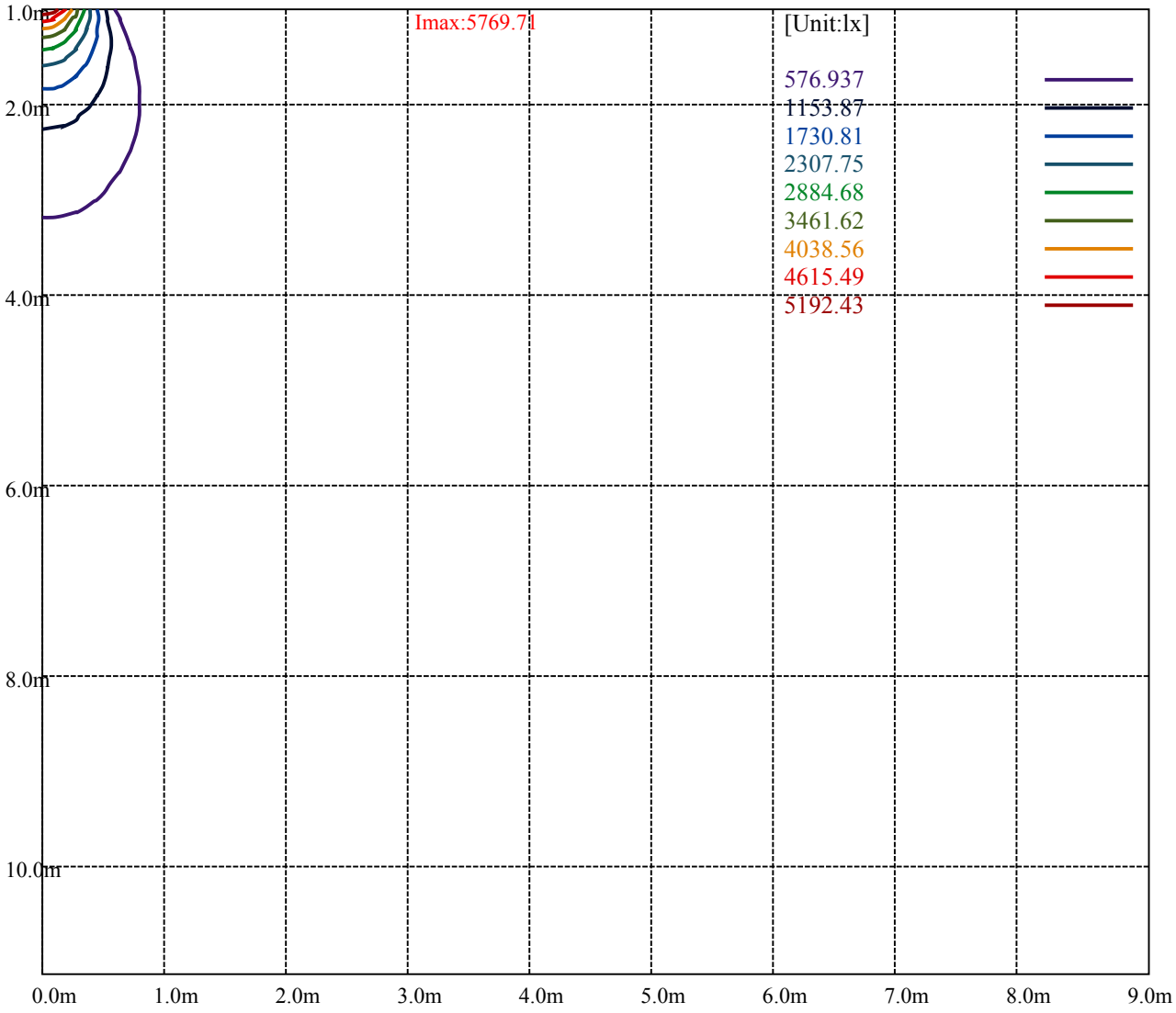
(10%Emax) 144.2343
(20%Emax) 288.4675
(30%Emax) 432.7025
(40%Emax) 576.9375
(50%Emax) 721.17
(60%Emax) 865.405
(70%Emax) 1009.64
(80%Emax) 1153.873
(90%Emax) 1298.108

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 2-2642-L

Luminance Limitting Curve(no luminous side)

Luminance Table

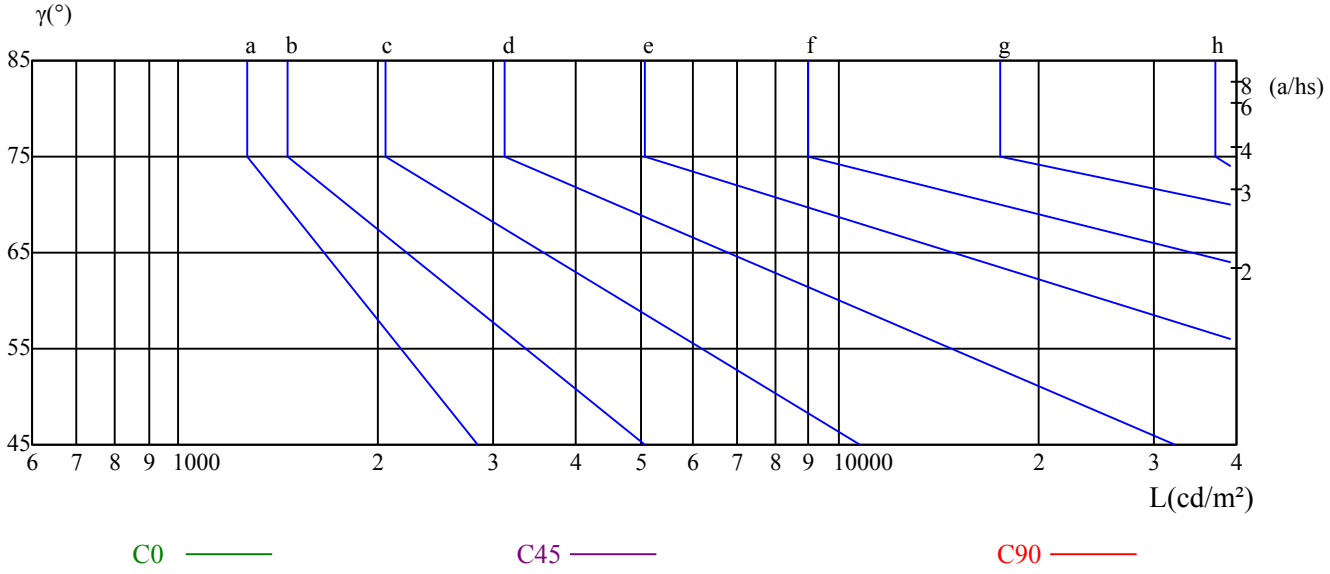
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

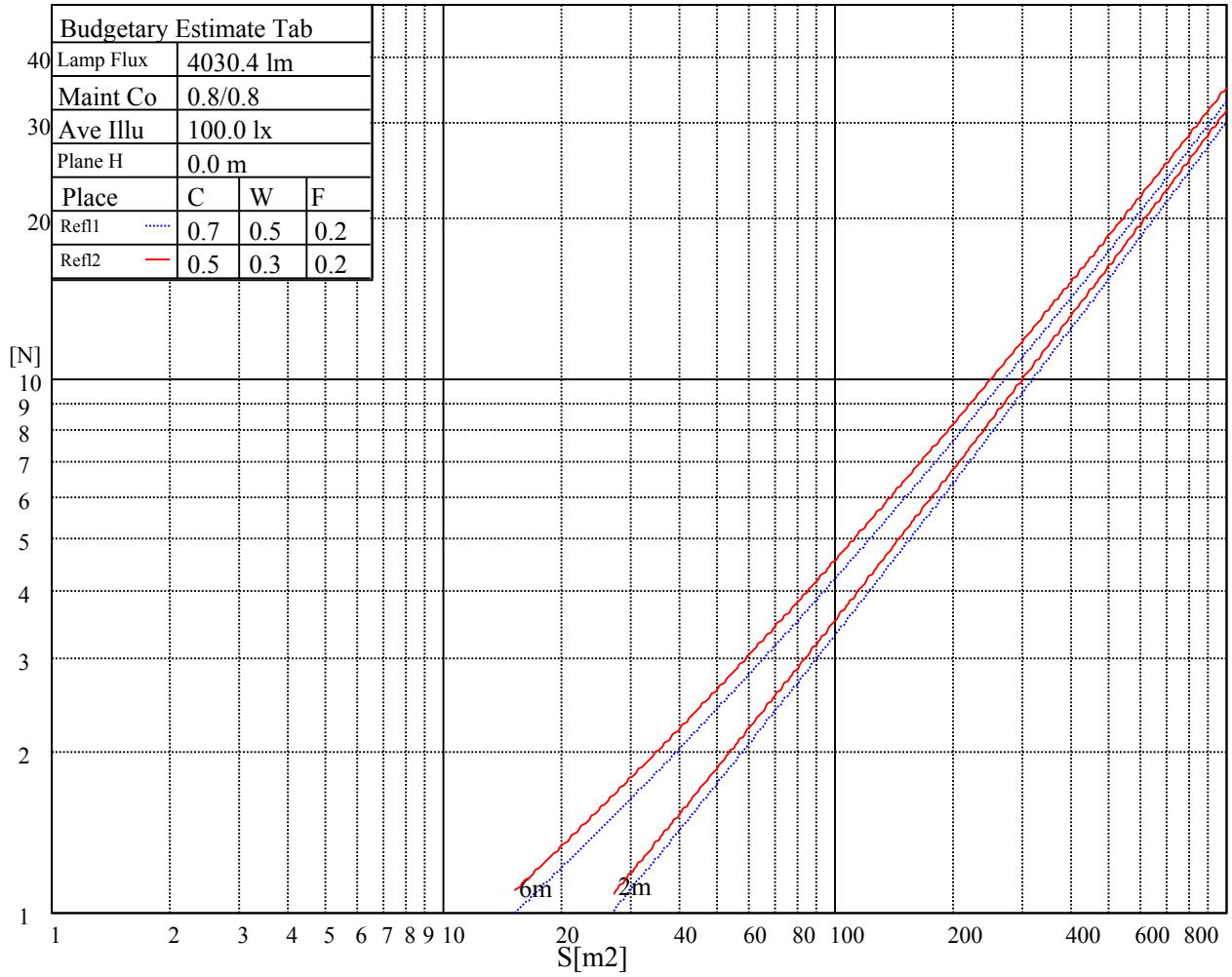
Date: 2023/11/16
Humidity(%): 0.0%

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

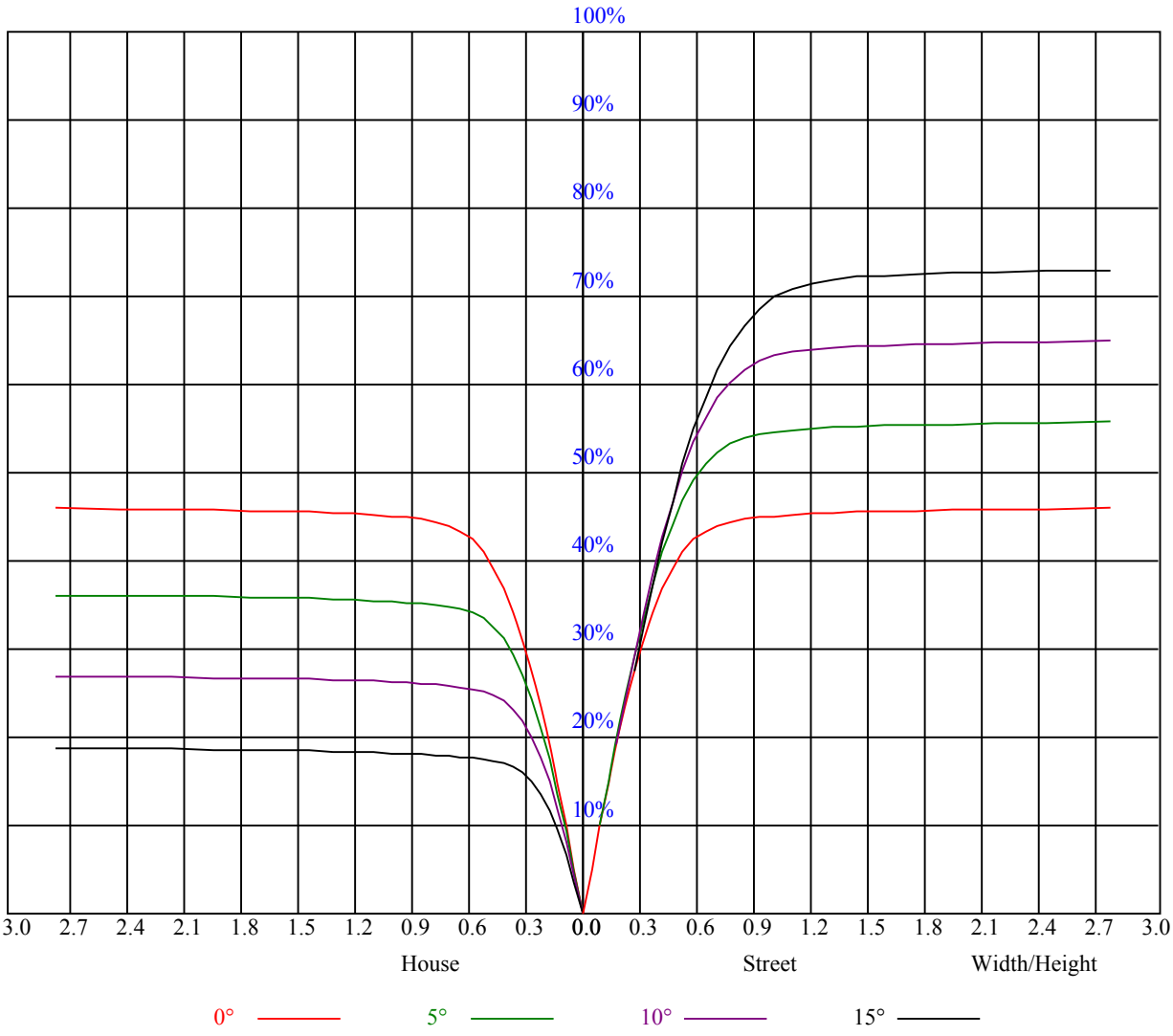


Equipment: GMS1980 Date: 2023/11/16 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	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	1.03	1.00	0.98	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.89	0.86	0.84	0.86	0.84	0.83	0.81
3	0.90	0.86	0.82	0.89	0.85	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
4	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.72
5	0.80	0.75	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.71	0.69	0.68
6	0.76	0.70	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
7	0.72	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
8	0.68	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57
9	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.54
10	0.62	0.57	0.53	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52

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	5752.90	5737.40	5724.67	5683.15	5623.93	5557.50	5485.54	5385.35	5244.75
45.0	5771.17	5770.06	5762.86	5754.01	5727.99	5689.80	5641.64	5550.31	5465.06
90.0	5779.47	5783.90	5786.67	5781.13	5749.58	5705.85	5630.01	5549.75	5460.63
135.0	5773.93	5786.11	5795.52	5808.25	5803.82	5780.02	5735.74	5669.87	5592.37
180.0	5752.90	5770.61	5786.67	5788.88	5793.86	5786.67	5757.33	5714.71	5647.17
225.0	5771.17	5772.27	5768.40	5760.10	5723.56	5688.69	5637.21	5559.72	5475.02
270.0	5779.47	5781.68	5763.97	5755.67	5731.87	5685.92	5627.25	5565.25	5466.17
315.0	5773.93	5755.67	5740.72	5707.51	5665.99	5602.89	5515.43	5434.62	5344.39
360.0	5752.90	5737.40	5724.67	5683.15	5623.93	5557.50	5485.54	5385.35	5244.75

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5127.96	5015.04	4852.30	4728.30	4571.10	4437.70	4292.67	4147.65	3966.64
45.0	5370.96	5263.02	5108.58	4965.77	4832.92	4689.56	4509.10	4358.54	4205.77
90.0	5325.57	5208.77	5076.48	4899.90	4749.89	4596.01	4411.13	4254.48	4097.83
135.0	5500.49	5390.33	5240.33	5101.39	4958.58	4772.59	4629.22	4484.75	4287.69
180.0	5584.07	5472.81	5359.89	5237.00	5105.26	4937.54	4796.39	4653.02	4475.89
225.0	5362.66	5261.91	5111.35	4983.48	4799.71	4659.67	4524.05	4333.63	4188.61
270.0	5366.53	5260.81	5150.10	4996.77	4872.22	4744.91	4616.49	4447.11	4312.60
315.0	5232.58	5088.10	4967.99	4844.55	4723.32	4578.30	4445.45	4284.92	4147.09
360.0	5127.96	5015.04	4852.30	4728.30	4571.10	4437.70	4292.67	4147.65	3966.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3817.74	3659.98	3495.58	3277.49	3099.80	2922.12	2747.75	2523.02	2325.96
45.0	4016.46	3863.13	3663.85	3496.69	3322.32	3145.75	2922.12	2746.09	2563.98
90.0	3939.52	3733.05	3555.92	3378.23	3194.46	2958.65	2777.64	2601.07	2359.72
135.0	4139.90	3984.35	3778.44	3607.95	3425.83	3245.38	3012.34	2825.80	2648.67
180.0	4326.44	4164.80	3965.53	3810.54	3646.14	3424.73	3232.65	3059.95	2837.43
225.0	4031.96	3841.54	3687.66	3515.51	3348.34	3135.23	2962.52	2790.93	2630.40
270.0	4178.64	3994.32	3840.99	3685.44	3485.62	3312.36	3093.16	2921.56	2755.50
315.0	4009.26	3823.27	3668.84	3504.99	3331.18	3113.64	2944.26	2769.89	2587.23
360.0	3817.74	3659.98	3495.58	3277.49	3099.80	2922.12	2747.75	2523.02	2325.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2065.80	1859.33	1650.09	1082.66	1082.66	987.40	768.14	611.71	475.82
45.0	2366.92	2112.85	1903.61	1693.27	1481.82	1223.87	1027.92	803.73	643.76
90.0	2151.59	1889.22	1681.09	1317.42	1082.27	1035.50	858.65	697.23	520.71
135.0	2458.81	2209.16	2006.01	1802.87	1548.24	1347.86	1108.18	929.94	762.77
180.0	2670.81	2493.13	2298.84	2054.73	1845.49	1636.81	1428.68	1181.80	993.04
225.0	2408.44	2215.80	2016.53	1761.91	1557.65	1070.26	1070.26	940.85	776.72
270.0	2581.69	2346.99	2151.04	1948.45	1742.53	1486.24	1288.63	1104.30	891.19
315.0	2338.14	2130.56	1918.00	1704.89	1100.43	1100.43	1054.60	841.82	688.43
360.0	2065.80	1859.33	1650.09	1082.66	1082.66	987.40	768.14	611.71	475.82

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	365.67	263.43	213.89	186.32	165.84	145.86	132.13	120.12	109.54
45.0	504.27	363.12	297.25	297.25	180.56	161.69	146.19	132.63	118.01
90.0	402.59	307.43	236.69	188.65	167.83	150.29	136.23	120.78	110.32
135.0	612.21	449.47	343.75	279.54	279.54	174.53	155.38	139.88	126.32
180.0	773.84	619.41	488.22	352.05	289.50	289.50	183.28	157.20	140.76
225.0	595.83	473.16	367.22	284.68	219.92	189.81	167.06	148.68	130.14
270.0	735.65	593.39	441.17	342.64	285.07	285.07	184.00	162.19	145.03
315.0	520.93	407.24	313.91	245.71	199.05	175.03	155.82	140.16	123.72
360.0	365.67	263.43	213.89	186.32	165.84	145.86	132.13	120.12	109.54

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	98.25	90.23	81.48	75.61	70.47	65.32	61.61	58.45	55.52
45.0	108.11	99.19	91.28	83.92	76.17	70.96	65.70	62.00	58.73
90.0	101.08	90.95	83.69	76.28	71.18	66.98	63.27	59.17	56.29
135.0	112.53	103.01	94.43	84.80	78.27	72.68	67.09	63.21	59.01
180.0	127.20	115.74	103.46	94.82	87.07	80.15	72.90	68.08	63.10
225.0	118.07	107.83	96.59	88.68	80.15	74.51	69.47	64.32	60.61
270.0	127.26	115.58	105.67	96.92	87.24	80.59	74.84	70.02	64.82
315.0	112.64	103.29	95.04	85.63	79.27	72.46	67.92	63.88	59.45
360.0	98.25	90.23	81.48	75.61	70.47	65.32	61.61	58.45	55.52

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	52.20	49.87	47.71	45.72	43.62	41.96	40.41	38.64	37.36
45.0	55.13	52.59	50.21	47.55	45.67	43.90	42.18	40.19	38.80
90.0	53.69	51.26	48.43	46.44	44.62	42.46	40.91	39.47	37.81
135.0	56.07	53.47	51.09	48.38	46.39	44.56	42.79	40.80	39.30
180.0	59.56	56.63	53.19	50.81	48.66	46.22	44.39	42.73	41.18
225.0	57.46	54.63	51.48	49.26	47.11	45.22	43.45	41.46	39.91
270.0	61.11	57.01	54.25	51.64	48.77	46.72	44.84	43.07	41.07
315.0	56.29	53.58	50.54	48.32	46.33	44.45	42.29	40.74	39.25
360.0	52.20	49.87	47.71	45.72	43.62	41.96	40.41	38.64	37.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	36.09	34.65	33.60	32.49	31.22	30.28	29.34	28.45	27.34
45.0	37.47	36.26	34.82	33.77	32.77	31.44	30.50	29.34	28.40
90.0	36.53	35.37	33.93	32.82	31.83	30.83	29.67	28.73	27.79
135.0	37.92	36.59	35.20	34.15	32.77	31.66	30.72	29.56	28.67
180.0	39.36	38.03	36.75	35.54	34.10	32.99	31.99	30.78	29.78
225.0	38.19	36.87	35.65	34.15	33.10	32.05	30.78	29.84	28.89
270.0	39.58	38.08	36.75	35.20	34.04	32.99	31.66	30.72	29.72
315.0	37.86	36.26	35.09	33.99	32.66	31.61	30.39	29.45	28.56
360.0	36.09	34.65	33.60	32.49	31.22	30.28	29.34	28.45	27.34

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.51	25.68	24.85	23.86	23.08	22.14	21.37	20.65	19.76
45.0	27.51	26.40	25.57	24.74	23.91	23.14	22.14	21.42	20.70
90.0	26.90	25.85	25.08	24.30	23.25	22.47	21.53	20.70	19.93
135.0	27.73	26.85	25.85	25.02	24.24	23.47	22.47	21.70	20.98
180.0	28.67	27.79	26.90	26.02	24.96	24.13	23.36	22.58	21.59
225.0	28.01	26.90	26.07	25.19	24.30	23.30	22.47	21.53	20.81
270.0	28.62	27.68	26.63	25.74	24.85	24.02	23.03	22.25	21.48
315.0	27.68	26.57	25.74	24.85	24.02	23.08	22.25	21.48	20.54
360.0	26.51	25.68	24.85	23.86	23.08	22.14	21.37	20.65	19.76

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.10	18.43	17.93	17.38	16.94	16.50	16.11	15.72	15.72
45.0	19.76	19.10	18.32	17.77	17.27	16.83	16.44	16.00	15.67
90.0	19.15	18.54	17.93	17.44	16.99	16.61	16.22	15.78	15.67
135.0	20.04	19.32	18.43	17.93	17.44	16.94	16.50	16.11	15.78
180.0	20.87	19.98	19.26	18.49	17.99	17.44	16.99	16.50	16.11
225.0	20.15	19.32	18.65	18.05	17.49	17.05	16.61	16.16	15.78
270.0	20.59	19.87	19.15	18.43	17.82	17.33	16.88	16.44	16.00
315.0	19.87	19.10	18.43	17.88	17.33	16.94	16.50	16.11	15.72
360.0	19.10	18.43	17.93	17.38	16.94	16.50	16.11	15.72	15.72

Intensity data(cd)

C/γ(°)	90.0
0.0	15.72
45.0	15.61
90.0	15.67
135.0	15.72
180.0	15.67
225.0	15.61
270.0	15.67
315.0	15.67
360.0	15.72