NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2645-L
Luminaire: 92.70.412.00
Report No: 20231116-B008
Ballast type: AC

Test No: 20231116-C008	Voltage(V): 34.620
LampCAT: Fortimo_SLM_C_1210	Current(A): 0.720
Lamp flux(lm): 4030.4	Power (W): 24.926
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3696.03, Efficiency(%): 91.70% , Luminous Efficacy(lm/W): 148.28
Central intensity(cd): 8213.645, Maximum intensity(cd): 8213.645
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.2
[C90/270]Total=38.2
Field angle(10%Imax): [C0/180]Total=63.4
[C90/270]Total=63.4
Maximum s/h(1/2): C0_180=0.62 C90_270=0.62
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.70%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.966%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8213.644	0.000	0	0.00%	0.00%
1.0	8198.076	7.853	7.853	0.19%	0.21%
2.0	8150.610	23.465	31.318	0.58%	0.85%
3.0	8067.095	38.787	70.105	0.96%	1.90%
4.0	7952.167	53.622	123.727	1.33%	3.35%
5.0	7815.790	67.833	191.56	1.68%	5.18%
6.0	7650.352	81.279	272.839	2.02%	7.38%
7.0	7477.441	93.898	366.736	2.33%	9.92%
8.0	7281.213	105.625	472.361	2.62%	12.78%
9.0	7087.337	116.449	588.811	2.89%	15.93%
10.0	6866.199	126.274	715.085	3.13%	19.35%
11.0	6638.004	134.935	850.02	3.35%	23.00%
12.0	6384.277	142.352	992.372	3.53%	26.85%
13.0	6117.887	148.369	1140.741	3.68%	30.86%
14.0	5823.891	152.854	1293.595	3.79%	35.00%
15.0	5515.225	155.668	1449.263	3.86%	39.21%
16.0	5168.435	156.545	1605.809	3.88%	43.45%
17.0	4851.259	156.034	1761.842	3.87%	47.67%
18.0	4484.818	153.932	1915.774	3.82%	51.83%
19.0	4131.731	149.910	2065.684	3.72%	55.89%
20.0	3772.694	144.673	2210.357	3.59%	59.80%
21.0	3428.879	138.285	2348.642	3.43%	63.55%
22.0	3094.059	131.081	2479.723	3.25%	67.09%
23.0	2756.263	122.756	2602.479	3.05%	70.41%
24.0	2462.059	114.091	2716.57	2.83%	73.50%
25.0	2201.551	106.040	2822.61	2.63%	76.37%
26.0	1943.949	97.855	2920.465	2.43%	79.02%
27.0	1651.758	87.970	3008.435	2.18%	81.40%
28.0	1493.032	79.619	3088.054	1.98%	83.55%
29.0	1276.295	72.453	3160.508	1.80%	85.51%
30.0	1090.196	63.895	3224.403	1.59%	87.24%
31.0	942.914	56.579	3280.981	1.40%	88.77%
32.0	777.289	49.282	3330.263	1.22%	90.10%
33.0	645.437	41.914	3372.177	1.04%	91.24%
34.0	528.634	35.531	3407.708	0.88%	92.20%
35.0	422.272	29.532	3437.239	0.73%	93.00%
36.0	344.715	24.421	3461.66	0.61%	93.66%
37.0	288.233	20.643	3482.304	0.51%	94.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	232.886	17.394	3499.698	0.43%	94.69%
39.0	186.306	14.308	3514.006	0.36%	95.08%
40.0	165.320	12.263	3526.27	0.30%	95.41%
41.0	118.159	10.095	3536.364	0.25%	95.68%
42.0	100.709	7.952	3544.316	0.20%	95.90%
43.0	86.448	6.933	3551.249	0.17%	96.08%
44.0	76.485	6.150	3557.398	0.15%	96.25%
45.0	68.908	5.588	3562.986	0.14%	96.40%
46.0	63.311	5.171	3568.157	0.13%	96.54%
47.0	58.619	4.849	3573.006	0.12%	96.67%
48.0	54.572	4.576	3577.582	0.11%	96.80%
49.0	50.946	4.333	3581.915	0.11%	96.91%
50.0	48.116	4.130	3586.046	0.10%	97.02%
51.0	45.563	3.963	3590.009	0.10%	97.13%
52.0	43.259	3.811	3593.82	0.09%	97.23%
53.0	41.266	3.677	3597.497	0.09%	97.33%
54.0	39.689	3.568	3601.065	0.09%	97.43%
55.0	38.256	3.479	3604.545	0.09%	97.52%
56.0	36.907	3.396	3607.941	0.08%	97.62%
57.0	35.696	3.320	3611.261	0.08%	97.71%
58.0	34.700	3.255	3614.516	0.08%	97.79%
59.0	33.766	3.201	3617.717	0.08%	97.88%
60.0	32.901	3.150	3620.866	0.08%	97.97%
61.0	32.077	3.101	3623.967	0.08%	98.05%
62.0	31.316	3.055	3627.022	0.08%	98.13%
63.0	30.645	3.014	3630.035	0.07%	98.21%
64.0	29.932	2.973	3633.008	0.07%	98.29%
65.0	29.261	2.929	3635.937	0.07%	98.37%
66.0	28.618	2.888	3638.825	0.07%	98.45%
67.0	27.981	2.846	3641.671	0.07%	98.53%
68.0	27.345	2.803	3644.474	0.07%	98.61%
69.0	26.763	2.760	3647.234	0.07%	98.68%
70.0	26.148	2.717	3649.952	0.07%	98.75%
71.0	25.622	2.676	3652.627	0.07%	98.83%
72.0	25.324	2.649	3655.276	0.07%	98.90%
73.0	25.546	2.660	3657.936	0.07%	98.97%
74.0	26.750	2.749	3660.686	0.07%	99.04%
75.0	26.798	2.829	3663.515	0.07%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	25.795	2.792	3666.307	0.07%	99.20%
77.0	24.695	2.692	3668.999	0.07%	99.27%
78.0	23.574	2.584	3671.583	0.06%	99.34%
79.0	22.273	2.463	3674.046	0.06%	99.41%
80.0	21.180	2.343	3676.388	0.06%	99.47%
81.0	20.204	2.238	3678.626	0.06%	99.53%
82.0	19.540	2.155	3680.782	0.05%	99.59%
83.0	18.959	2.093	3682.875	0.05%	99.64%
84.0	18.488	2.040	3684.915	0.05%	99.70%
85.0	17.824	1.982	3686.896	0.05%	99.75%
86.0	17.173	1.913	3688.809	0.05%	99.80%
87.0	16.751	1.857	3690.666	0.05%	99.85%
88.0	16.378	1.815	3692.481	0.05%	99.90%
89.0	16.156	1.783	3694.264	0.04%	99.95%
90.0	16.025	1.764	3696.028	0.04%	100.00%

Zonal flux distribution table

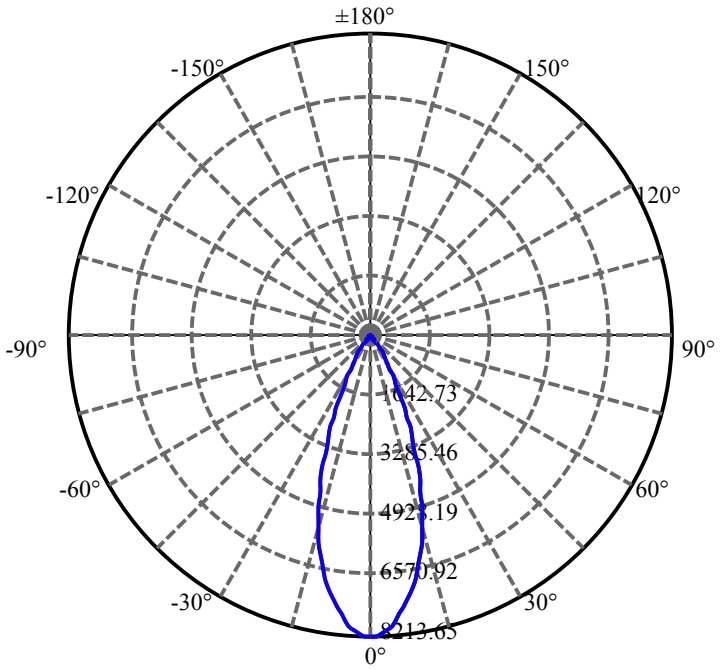
ZONAL LUMEN SUMMARY

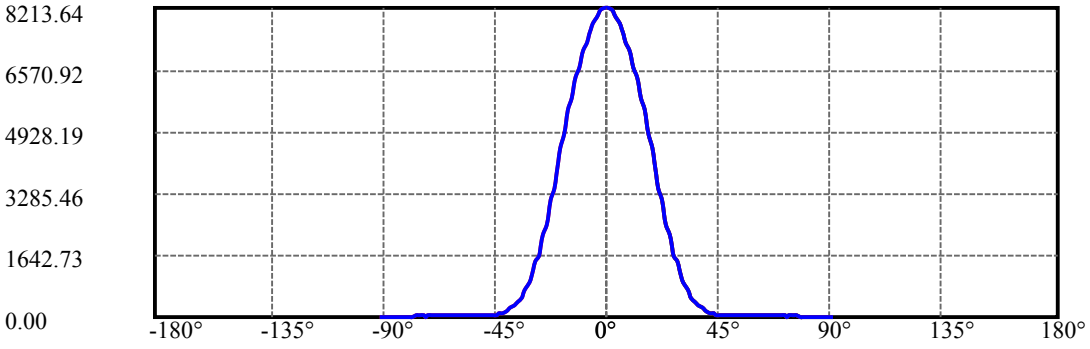
Zone	Lumens	%Lamp	%Fixt
0-30	3224.40	80.00%	87.24%
0-40	3526.27	87.49%	95.41%
0-60	3620.87	89.84%	97.97%
0-90	3694.26	91.66%	99.95%
0-120	3694.26	91.66%	99.95%
0-180	3696.03	91.70%	100.00%
60-90	73.40	1.82%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.41	2956.82	73.36%	80.00%

ZONAL LUMEN SUMMARY

0-10	715.08
10-20	1495.27
20-30	1014.05
30-40	301.87
40-50	59.78
50-60	34.82
60-70	29.09
70-80	26.44
80-90	17.88
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:31.7 Right:31.7
:C90/270Left:31.7 Right:31.7

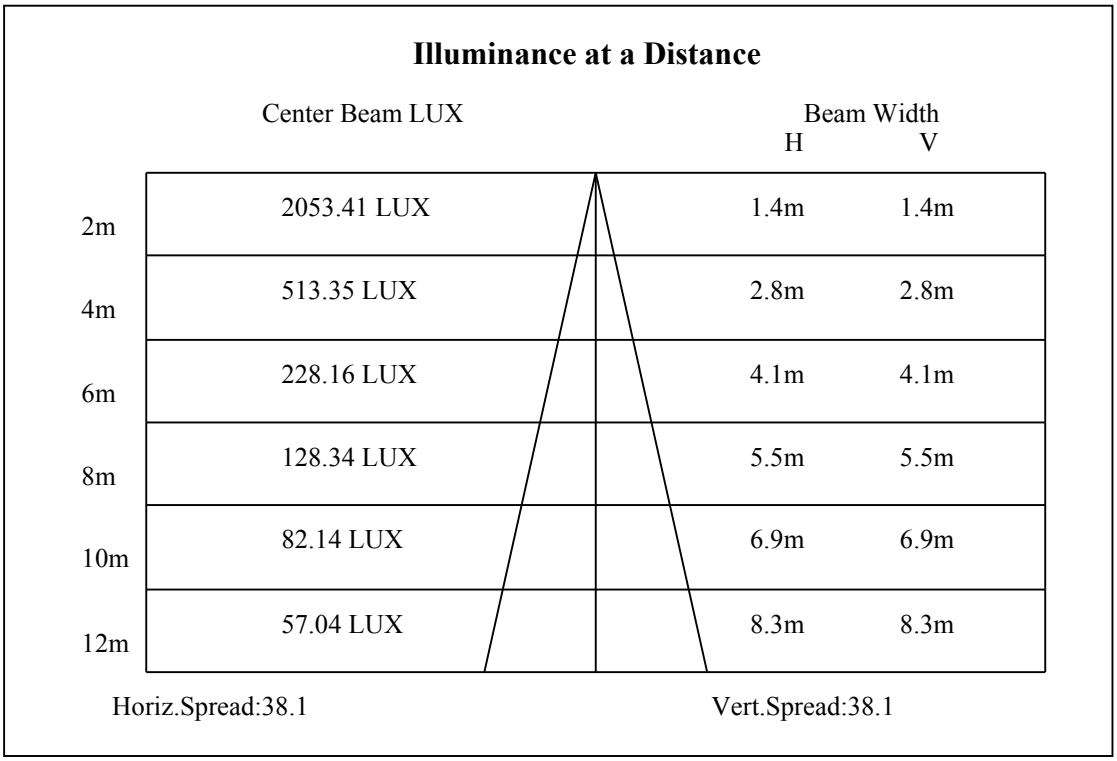
Beam Angle(50%Imax):C0/180Left:19.1 Right:19.1
:C90/270Left:19.1 Right:19.1

Equipment: GMS1980
Temperature(°C): 0.0

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

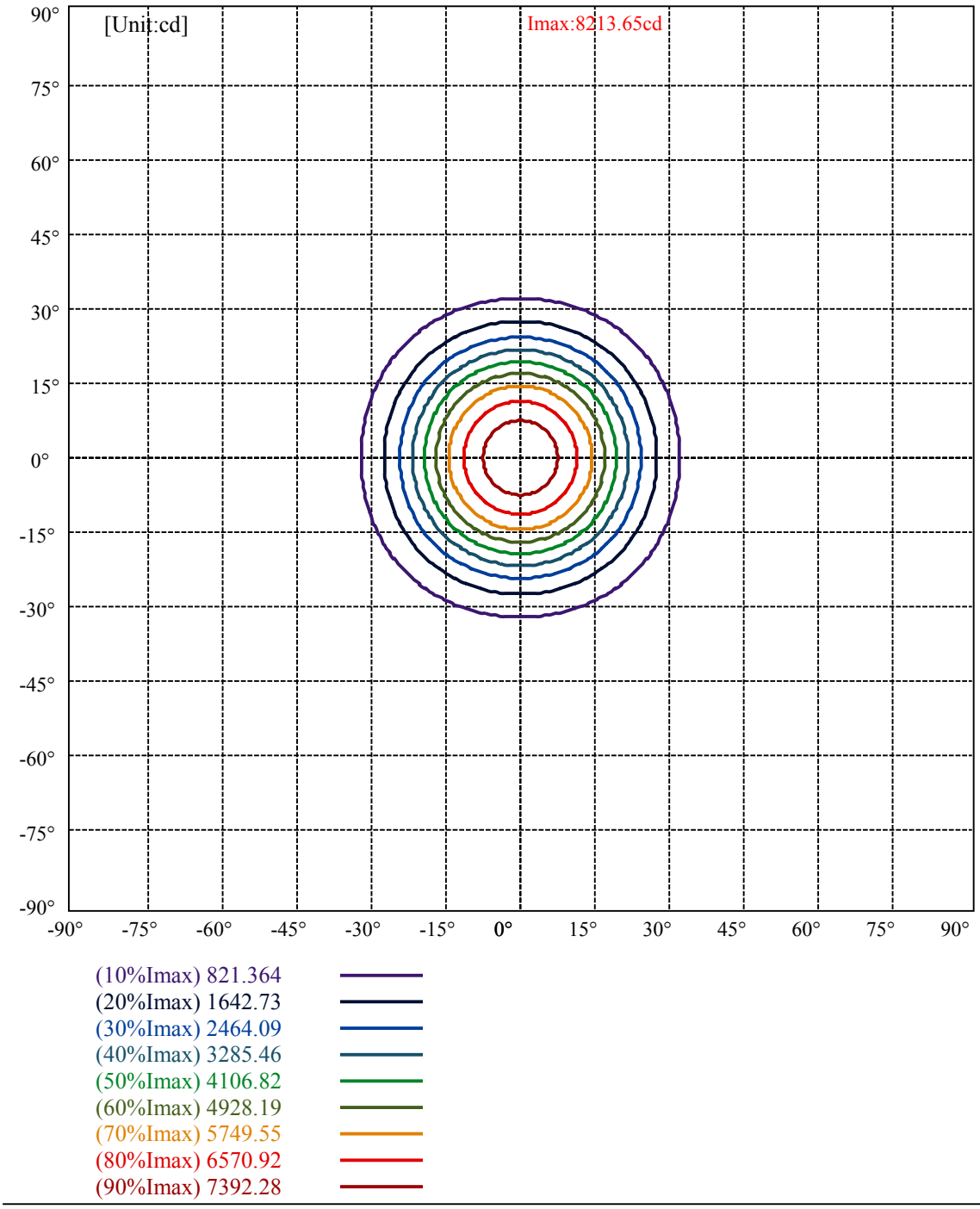
Operator: NT07
Distance(m): 7.44

Lux distance Curve



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

ISO-Intensity(V-H)

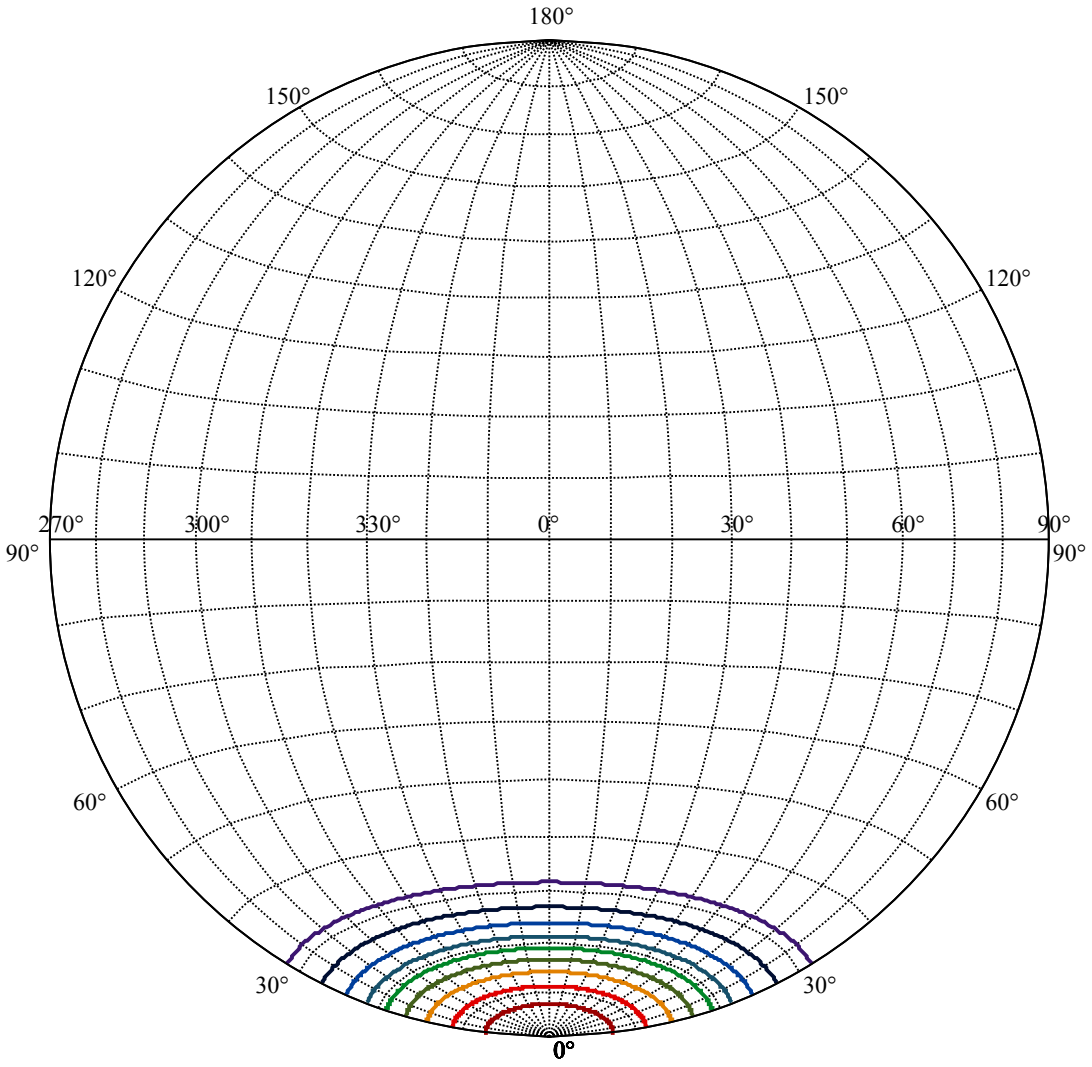


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

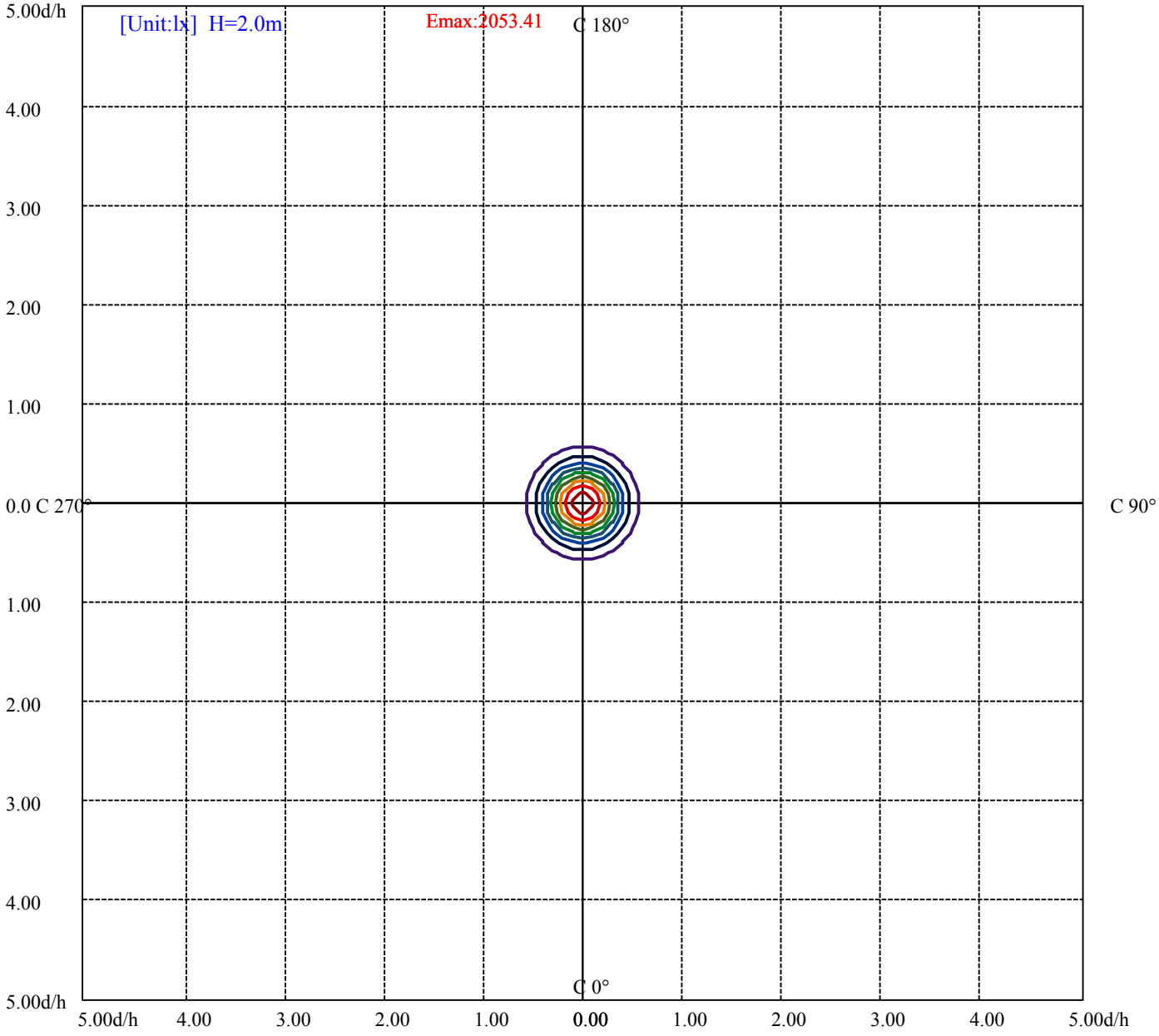
ISO candela diagram on circular web



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

NT 2-2645-L

ISO illuminance diagram

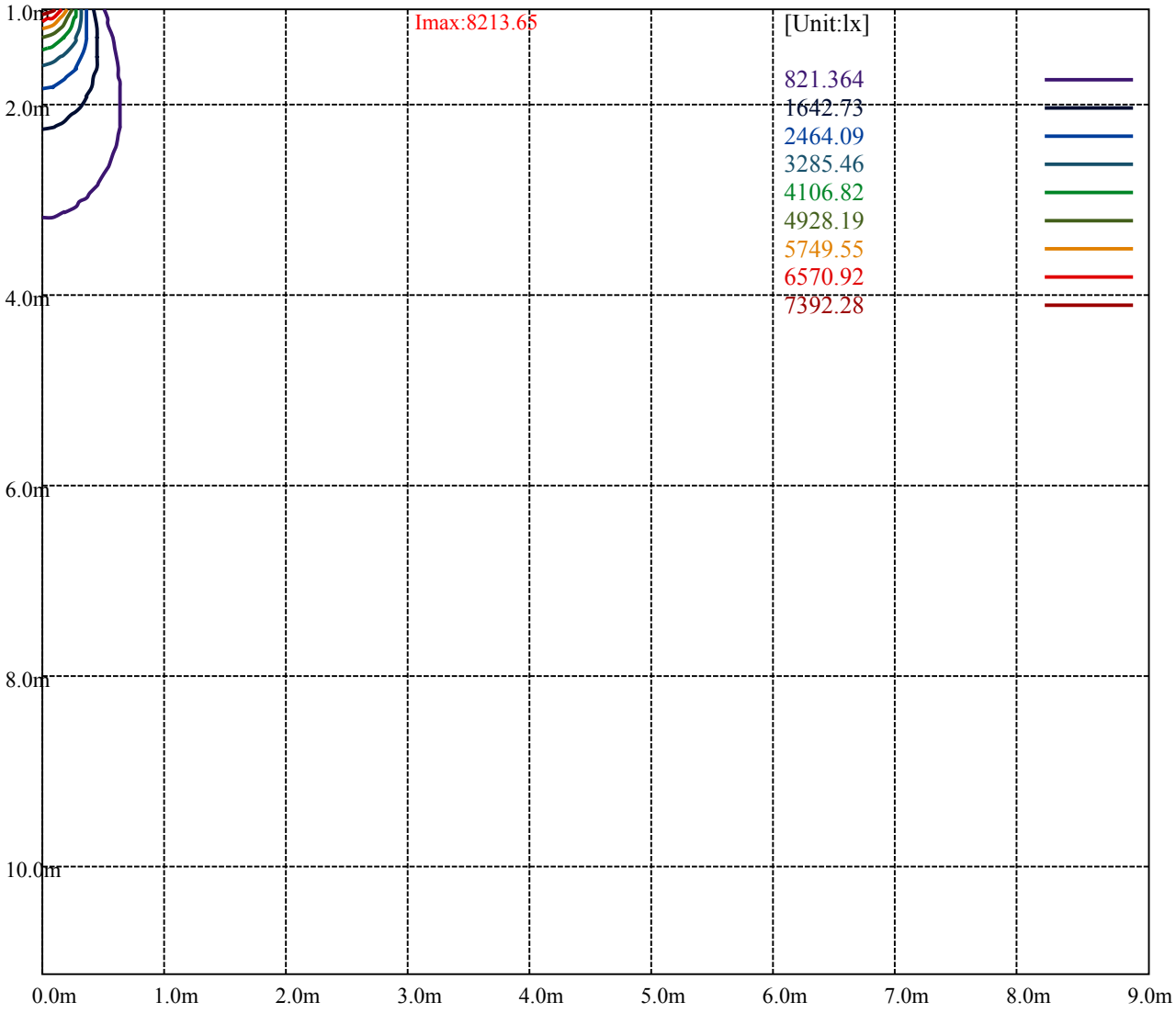


Equipment: GMS1980
Temperature(°C): 0.0

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 2-2645-L

Luminance Limitting Curve(no luminous side)

Luminance Table

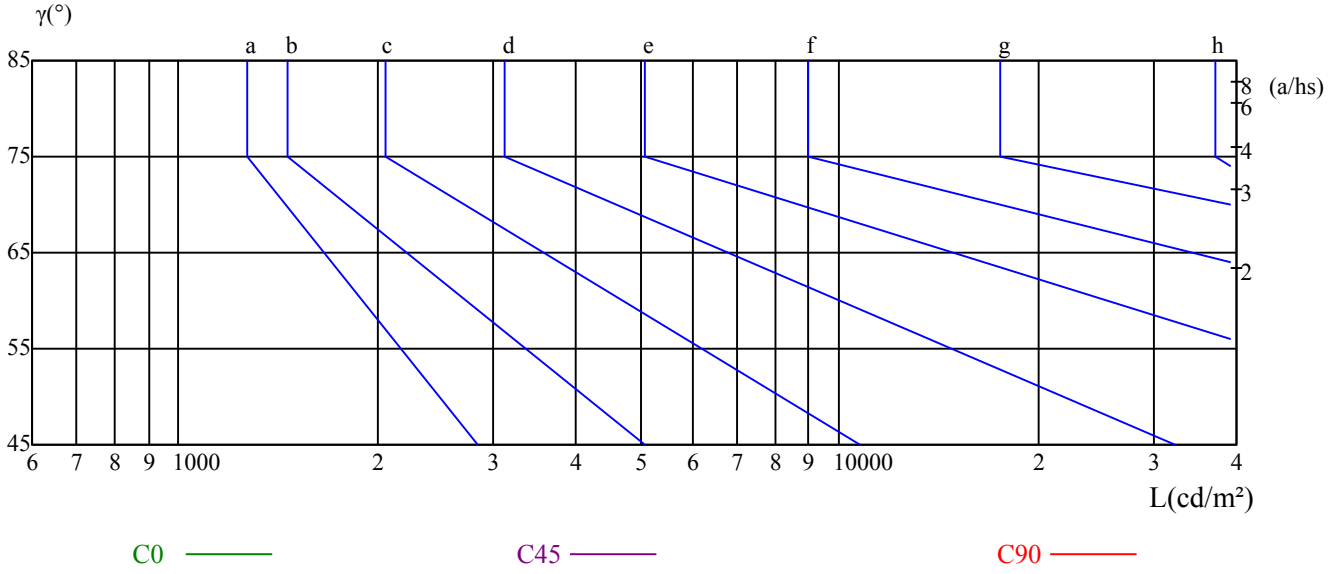
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

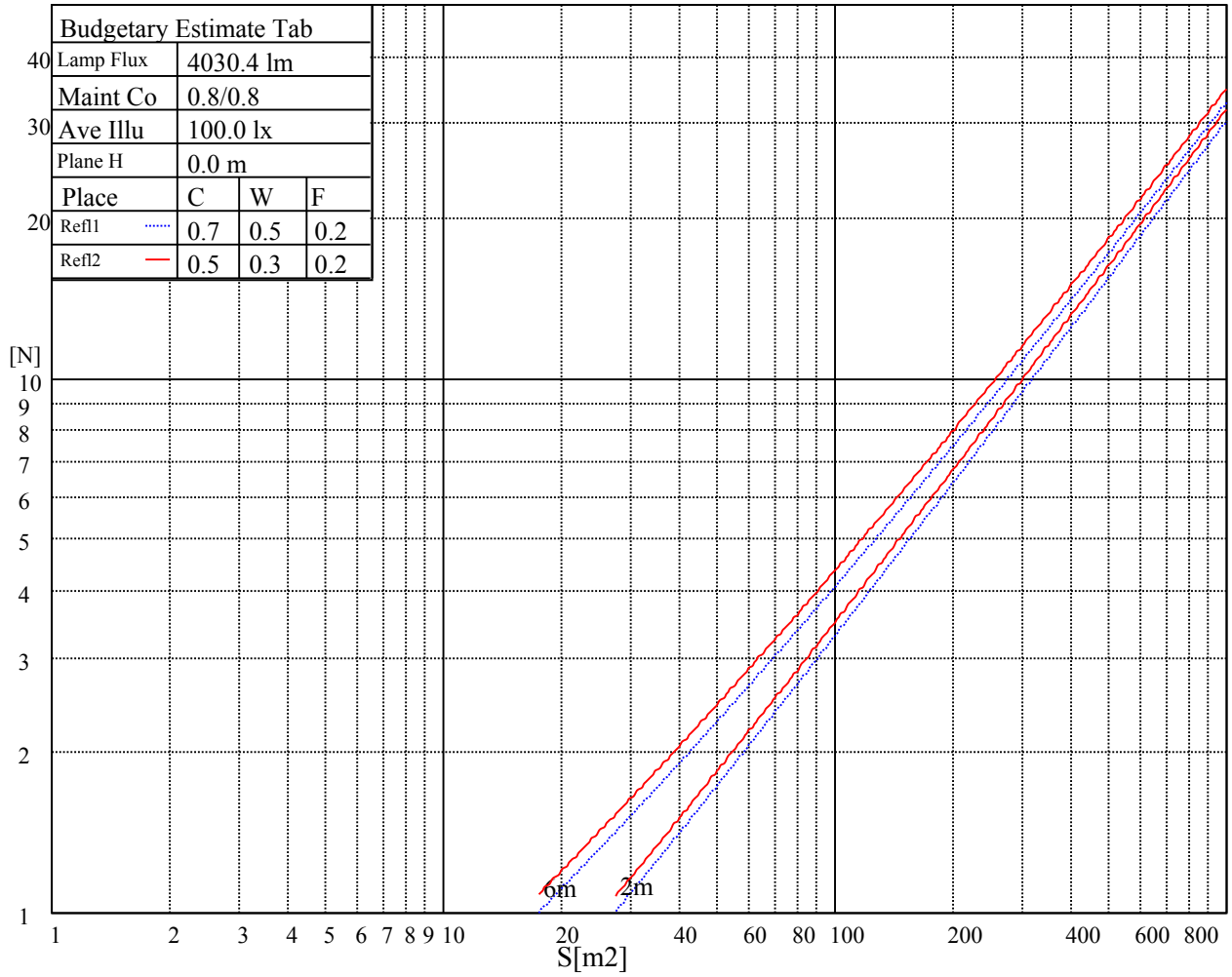
Luminance Limitting Curve



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

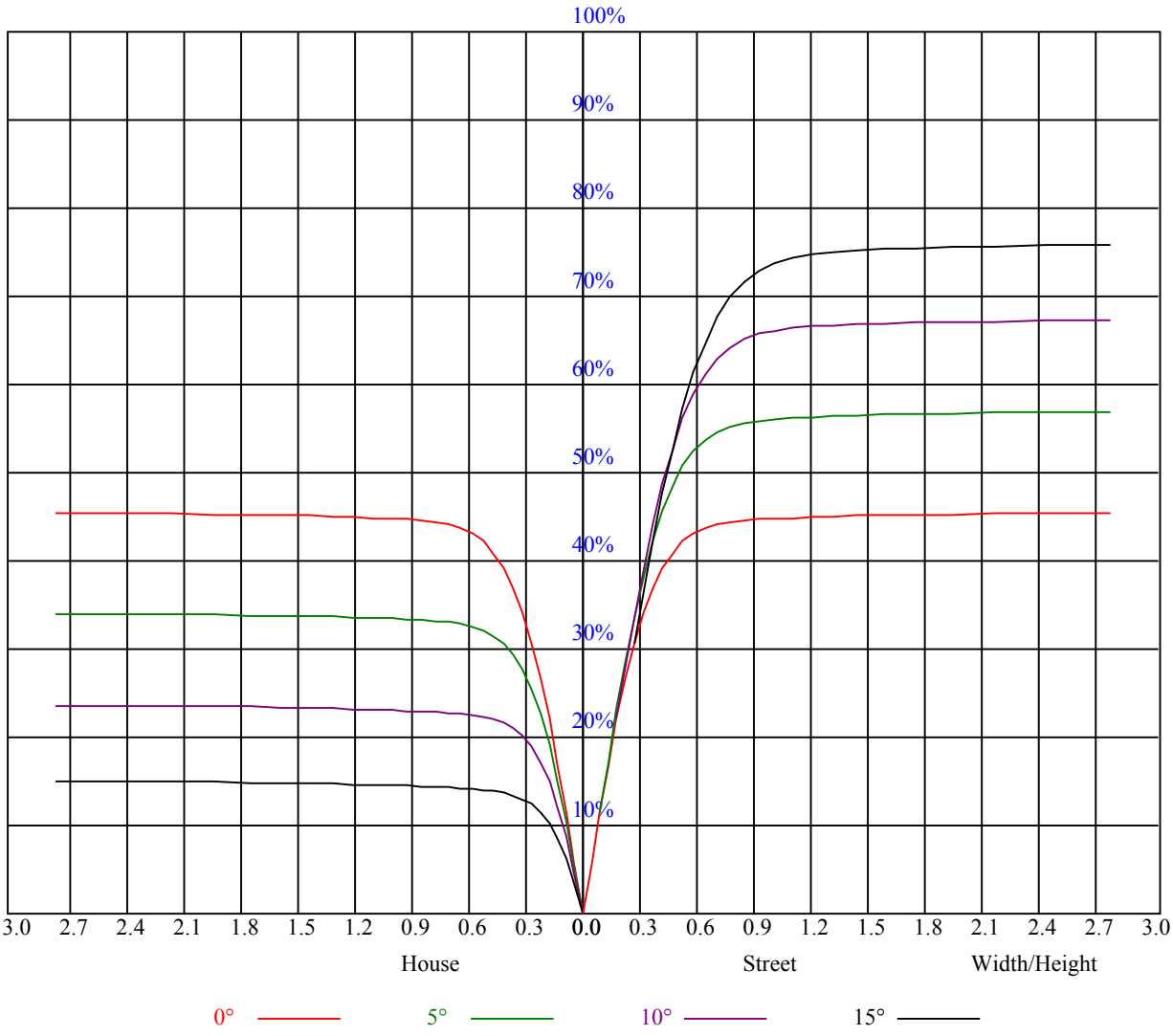


Equipment: GMS1980 Date: 2023/11/16 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.74	0.70	0.66	0.74	0.69	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	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	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: 2023/11/16	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	8179.60	8078.30	7956.53	7807.07	7604.48	7435.65	7245.23	7066.44	6817.90
45.0	8239.38	8181.82	8098.23	7977.01	7812.61	7645.99	7427.35	7235.82	7045.96
90.0	8198.42	8139.19	8012.43	7894.53	7748.95	7542.48	7365.90	7180.47	6934.70
135.0	8237.17	8232.74	8190.67	8129.78	8016.31	7861.87	7704.11	7531.41	7300.03
180.0	8179.60	8226.65	8284.77	8261.52	8224.44	8152.48	8028.49	7903.94	7750.06
225.0	8239.38	8294.18	8255.99	8209.49	8120.37	8021.29	7899.51	7703.56	7540.27
270.0	8198.42	8227.21	8253.22	8197.87	8157.46	8071.66	7940.47	7773.86	7614.99
315.0	8237.17	8204.51	8153.03	8059.48	7932.72	7794.89	7591.75	7424.02	7245.79
360.0	8179.60	8078.30	7956.53	7807.07	7604.48	7435.65	7245.23	7066.44	6817.90

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6612.54	6385.59	6151.45	5844.23	5575.21	5284.05	4893.26	4573.31	4253.92
45.0	6844.47	6579.88	6346.84	6106.61	5850.32	5506.58	5207.11	4894.37	4576.64
90.0	6718.82	6485.78	6184.10	5911.21	5625.59	5248.63	4927.58	4596.01	4273.30
135.0	7125.12	6935.25	6717.16	6416.04	6164.18	5885.19	5572.45	5156.19	4820.75
180.0	7579.01	7337.67	7143.38	6939.68	6638.00	6388.91	6133.18	5769.51	5453.99
225.0	7344.87	7149.47	6903.15	6688.38	6441.50	6123.22	5838.70	5454.54	5132.39
270.0	7401.88	7224.20	7038.21	6777.49	6552.76	6311.42	6056.24	5715.26	5426.87
315.0	7071.98	6831.74	6619.74	6390.57	6095.54	5843.13	5493.29	5188.29	4872.22
360.0	6612.54	6385.59	6151.45	5844.23	5575.21	5284.05	4893.26	4573.31	4253.92

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3848.18	3527.13	3210.51	2830.78	2539.62	2266.18	2014.32	1735.89	1527.21
45.0	4178.09	3855.38	3453.51	3142.42	2848.50	2495.34	2231.86	1984.43	1761.91
90.0	3865.34	3539.86	3218.26	2908.83	2548.48	2276.69	1971.14	1760.80	1562.63
135.0	4491.94	4069.04	3726.40	3298.52	2981.34	2685.76	2344.22	2094.58	1868.74
180.0	5122.98	4698.97	4370.72	4041.37	3602.97	3264.76	2961.97	2675.79	2351.42
225.0	4798.60	4458.18	4043.03	3715.33	3396.50	3011.24	2722.84	2452.16	2203.07
270.0	5107.48	4778.68	4367.95	4037.49	3699.83	3286.90	2968.61	2691.85	2356.40
315.0	4465.93	4126.61	3791.17	3456.28	3135.23	2763.25	2481.50	2216.91	1920.22
360.0	3848.18	3527.13	3210.51	2830.78	2539.62	2266.18	2014.32	1735.89	1527.21

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1101.87	1101.87	943.89	800.25	670.33	531.45	437.85	358.69	276.60
45.0	1503.40	1309.11	1128.11	962.60	776.06	644.87	533.06	419.03	342.64
90.0	1082.44	1082.44	958.00	804.95	637.18	521.93	426.11	346.51	265.70
135.0	1663.93	1428.68	1246.56	1073.31	914.44	770.52	612.21	505.93	395.78
180.0	2118.38	1904.72	1698.80	1458.57	1272.03	1044.52	881.23	736.76	578.45
225.0	1918.00	1710.98	1515.03	1096.22	1096.22	931.38	781.54	617.91	510.69
270.0	2116.17	1895.86	1628.50	1434.21	1248.22	1026.26	869.61	730.67	606.12
315.0	1709.87	1510.60	1091.46	1091.46	928.83	747.38	621.90	513.57	402.20
360.0	1101.87	1101.87	943.89	800.25	670.33	531.45	437.85	358.69	276.60

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	223.85	173.04	142.09	119.18	102.07	86.74	77.77	70.63	64.93
45.0	292.82	292.82	168.11	137.83	110.49	95.21	84.14	75.56	67.42
90.0	215.66	175.91	143.81	114.36	97.98	85.91	74.95	68.36	61.77
135.0	323.27	290.61	290.61	162.85	134.84	109.16	94.43	83.64	75.34
180.0	476.04	388.58	316.62	286.18	286.18	160.19	132.24	106.61	92.00
225.0	419.75	325.87	264.65	213.61	163.96	134.23	112.48	96.48	82.59
270.0	478.81	393.01	321.60	290.05	290.05	158.81	130.69	105.73	91.61
315.0	327.53	266.03	215.60	166.39	137.00	115.02	98.97	84.58	76.22
360.0	223.85	173.04	142.09	119.18	102.07	86.74	77.77	70.63	64.93

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	59.12	55.30	51.98	49.21	46.22	44.12	42.07	40.52	39.08
45.0	62.38	58.01	54.30	50.26	47.55	45.17	42.73	41.07	39.25
90.0	57.40	53.69	50.54	47.33	44.95	42.95	41.24	39.41	38.08
135.0	67.70	62.83	58.51	54.86	50.93	48.27	45.83	43.34	41.63
180.0	81.54	73.73	66.31	61.61	57.51	53.31	50.37	47.16	44.84
225.0	74.45	68.14	62.94	57.51	53.86	50.70	47.22	44.73	42.12
270.0	79.16	71.79	65.82	60.94	55.74	52.36	49.38	46.72	43.78
315.0	69.52	62.99	58.56	54.86	50.81	48.05	45.67	43.12	41.35
360.0	59.12	55.30	51.98	49.21	46.22	44.12	42.07	40.52	39.08

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.59	36.53	35.48	34.54	33.49	32.82	31.99	31.27	30.61
45.0	38.03	36.87	35.70	34.71	33.88	33.10	32.22	31.44	30.78
90.0	36.98	35.98	34.82	33.93	33.05	32.44	31.72	30.94	30.39
135.0	40.02	38.19	37.09	35.76	34.76	33.88	33.16	32.22	31.44
180.0	42.84	41.13	39.19	37.81	36.70	35.37	34.37	33.54	32.77
225.0	40.41	38.80	37.42	35.98	34.98	33.99	33.10	32.22	31.50
270.0	41.85	40.19	38.64	37.03	35.92	34.65	33.71	32.82	31.88
315.0	39.80	38.36	36.92	35.81	34.82	33.88	32.94	32.16	31.16
360.0	37.59	36.53	35.48	34.54	33.49	32.82	31.99	31.27	30.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.95	29.34	28.62	28.12	27.51	26.85	26.35	25.79	25.57
45.0	30.17	29.39	28.78	28.23	27.51	26.90	26.35	25.68	25.19
90.0	29.89	29.06	28.51	28.06	27.57	26.85	26.40	25.91	25.35
135.0	30.83	30.28	29.67	28.89	28.29	27.57	26.96	26.40	25.74
180.0	31.88	31.05	30.39	29.61	28.95	28.29	27.62	26.96	26.35
225.0	30.78	30.06	29.34	28.67	27.90	27.34	26.79	26.02	25.46
270.0	31.16	30.44	29.78	28.95	28.29	27.68	27.12	26.46	25.85
315.0	30.50	29.84	29.01	28.40	27.84	27.29	26.51	25.96	25.46
360.0	29.95	29.34	28.62	28.12	27.51	26.85	26.35	25.79	25.57

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.79	28.73	30.89	29.06	27.40	26.57	25.19	22.92	21.26
45.0	24.69	24.08	23.69	23.53	25.74	29.17	29.23	26.74	23.41
90.0	25.13	28.12	34.65	35.65	31.00	24.13	22.14	20.81	20.15
135.0	25.19	24.91	28.29	31.50	29.61	26.74	23.53	21.92	20.98
180.0	25.68	25.13	24.63	24.08	23.53	23.14	22.58	21.98	21.31
225.0	24.91	24.30	23.80	23.36	22.92	22.31	21.70	21.15	20.65
270.0	25.30	24.69	24.13	23.69	23.08	22.64	21.98	21.42	20.92
315.0	24.91	24.41	23.91	23.53	23.08	22.86	22.25	21.26	20.76
360.0	26.79	28.73	30.89	29.06	27.40	26.57	25.19	22.92	21.26

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.98	19.54	18.82	18.32	17.10	16.66	16.33	16.00	16.05
45.0	20.54	19.37	18.76	18.38	17.82	16.77	16.44	15.89	15.89
90.0	19.48	18.88	18.49	18.05	16.88	16.50	16.16	15.89	15.89
135.0	20.26	19.60	18.99	18.43	18.05	16.94	16.55	16.11	15.78
180.0	20.81	20.15	19.54	18.99	18.49	18.05	17.49	17.05	16.66
225.0	19.98	19.43	18.88	18.43	17.99	17.55	17.10	16.77	16.33
270.0	20.43	19.82	19.21	18.76	18.21	17.77	17.21	16.94	16.55
315.0	20.15	19.54	18.99	18.54	18.05	17.16	16.72	16.38	16.11
360.0	19.98	19.54	18.82	18.32	17.10	16.66	16.33	16.00	16.05

Intensity data(cd)

C/γ(°)	90.0
0.0	16.05
45.0	15.89
90.0	15.89
135.0	15.89
180.0	16.33
225.0	16.22
270.0	16.16
315.0	15.78
360.0	16.05