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: 2-2643-L
Luminaire: 92.70.412.00
Report No: 20231031-B023
Ballast type: AC

Test No: 20231031-C023	Voltage(V): 34.660
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.576
Lamp flux(lm): 3260.6	Power (W): 19.964
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3077.71, Efficiency(%): 94.39% , Luminous Efficacy(lm/W): 154.16
Central intensity(cd): 16123.120, Maximum intensity(cd): 16123.120
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.2
[C90/270]Total=18.2
Field angle(10%Imax): [C0/180]Total=46.8
[C90/270]Total=46.8
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(%): 94.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.944%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	16123.120	0.000	0	0.00%	0.00%
1.0	15955.675	15.349	15.349	0.47%	0.50%
2.0	15510.079	45.163	60.512	1.39%	1.97%
3.0	14831.997	72.568	133.08	2.23%	4.32%
4.0	13592.353	95.145	228.225	2.92%	7.42%
5.0	12364.680	111.666	339.891	3.42%	11.04%
6.0	11559.769	125.729	465.621	3.86%	15.13%
7.0	10514.831	137.017	602.637	4.20%	19.58%
8.0	9309.022	141.876	744.513	4.35%	24.19%
9.0	8119.612	141.250	885.762	4.33%	28.78%
10.0	7031.153	137.109	1022.871	4.21%	33.23%
11.0	6125.222	131.459	1154.33	4.03%	37.51%
12.0	5298.862	124.882	1279.212	3.83%	41.56%
13.0	4626.938	117.794	1397.006	3.61%	45.39%
14.0	4071.742	111.342	1508.349	3.41%	49.01%
15.0	3622.755	105.633	1613.982	3.24%	52.44%
16.0	3244.759	100.628	1714.61	3.09%	55.71%
17.0	2944.050	96.376	1810.987	2.96%	58.84%
18.0	2699.664	93.053	1904.039	2.85%	61.87%
19.0	2564.740	91.590	1995.629	2.81%	64.84%
20.0	2310.044	89.222	2084.851	2.74%	67.74%
21.0	2017.016	83.088	2167.94	2.55%	70.44%
22.0	1840.023	77.509	2245.448	2.38%	72.96%
23.0	1681.366	73.888	2319.337	2.27%	75.36%
24.0	1522.985	70.059	2389.395	2.15%	77.64%
25.0	1360.121	65.556	2454.951	2.01%	79.77%
26.0	1210.957	60.691	2515.641	1.86%	81.74%
27.0	1109.113	56.761	2572.402	1.74%	83.58%
28.0	990.435	53.156	2625.558	1.63%	85.31%
29.0	862.990	48.491	2674.049	1.49%	86.88%
30.0	751.674	43.596	2717.645	1.34%	88.30%
31.0	638.552	38.688	2756.333	1.19%	89.56%
32.0	543.019	33.851	2790.184	1.04%	90.66%
33.0	454.073	29.375	2819.558	0.90%	91.61%
34.0	377.553	25.167	2844.726	0.77%	92.43%
35.0	310.548	21.370	2866.095	0.66%	93.12%
36.0	265.171	18.331	2884.426	0.56%	93.72%
37.0	228.555	16.103	2900.529	0.49%	94.24%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	188.098	13.907	2914.436	0.43%	94.69%
39.0	141.235	11.241	2925.677	0.34%	95.06%
40.0	117.661	9.029	2934.707	0.28%	95.35%
41.0	99.152	7.721	2942.427	0.24%	95.60%
42.0	84.324	6.666	2949.093	0.20%	95.82%
43.0	73.184	5.835	2954.928	0.18%	96.01%
44.0	64.286	5.189	2960.117	0.16%	96.18%
45.0	58.101	4.703	2964.82	0.14%	96.33%
46.0	53.312	4.357	2969.177	0.13%	96.47%
47.0	49.237	4.079	2973.256	0.13%	96.61%
48.0	45.764	3.840	2977.096	0.12%	96.73%
49.0	42.837	3.638	2980.735	0.11%	96.85%
50.0	40.429	3.472	2984.206	0.11%	96.96%
51.0	38.332	3.332	2987.539	0.10%	97.07%
52.0	36.582	3.215	2990.753	0.10%	97.17%
53.0	35.115	3.119	2993.872	0.10%	97.28%
54.0	33.897	3.042	2996.914	0.09%	97.37%
55.0	32.880	2.981	2999.895	0.09%	97.47%
56.0	32.091	2.936	3002.83	0.09%	97.57%
57.0	31.482	2.907	3005.737	0.09%	97.66%
58.0	31.040	2.891	3008.628	0.09%	97.76%
59.0	30.832	2.893	3011.521	0.09%	97.85%
60.0	30.645	2.904	3014.425	0.09%	97.94%
61.0	30.424	2.914	3017.34	0.09%	98.04%
62.0	30.182	2.920	3020.26	0.09%	98.13%
63.0	29.801	2.917	3023.177	0.09%	98.23%
64.0	28.971	2.884	3026.061	0.09%	98.32%
65.0	27.981	2.819	3028.88	0.09%	98.41%
66.0	26.812	2.734	3031.613	0.08%	98.50%
67.0	25.719	2.641	3034.255	0.08%	98.59%
68.0	24.418	2.540	3036.795	0.08%	98.67%
69.0	23.373	2.438	3039.233	0.07%	98.75%
70.0	22.397	2.351	3041.583	0.07%	98.83%
71.0	21.609	2.274	3043.858	0.07%	98.90%
72.0	20.834	2.207	3046.065	0.07%	98.97%
73.0	20.225	2.147	3048.212	0.07%	99.04%
74.0	19.651	2.096	3050.308	0.06%	99.11%
75.0	19.125	2.049	3052.357	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.585	2.002	3054.359	0.06%	99.24%
77.0	18.080	1.955	3056.313	0.06%	99.30%
78.0	17.575	1.909	3058.222	0.06%	99.37%
79.0	17.090	1.863	3060.085	0.06%	99.43%
80.0	16.592	1.816	3061.901	0.06%	99.49%
81.0	16.115	1.769	3063.669	0.05%	99.54%
82.0	15.637	1.722	3065.391	0.05%	99.60%
83.0	15.153	1.674	3067.065	0.05%	99.65%
84.0	14.745	1.629	3068.694	0.05%	99.71%
85.0	14.371	1.589	3070.283	0.05%	99.76%
86.0	14.032	1.553	3071.835	0.05%	99.81%
87.0	13.707	1.518	3073.353	0.05%	99.86%
88.0	13.382	1.484	3074.837	0.05%	99.91%
89.0	13.077	1.450	3076.288	0.04%	99.95%
90.0	12.939	1.426	3077.714	0.04%	100.00%

Zonal flux distribution table

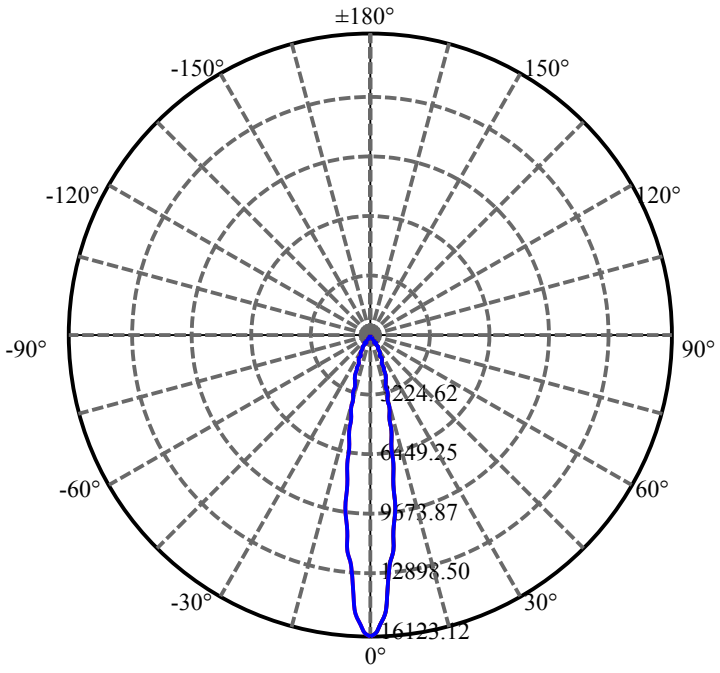
ZONAL LUMEN SUMMARY

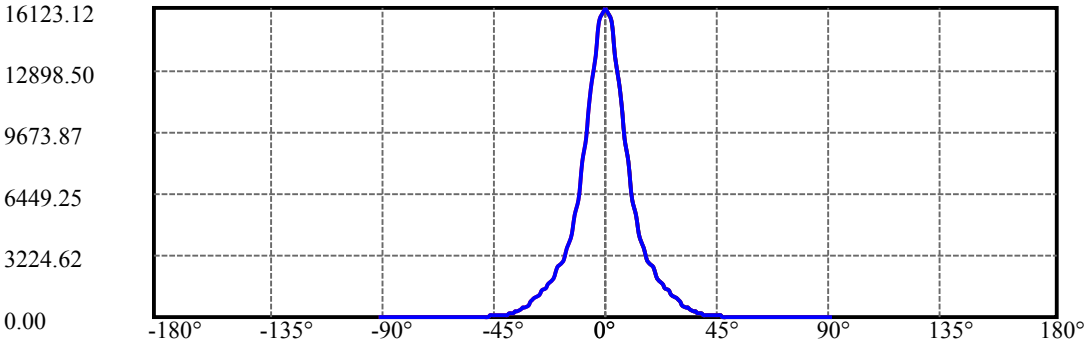
Zone	Lumens	%Lamp	%Fixt
0-30	2717.64	83.35%	88.30%
0-40	2934.71	90.01%	95.35%
0-60	3014.43	92.45%	97.94%
0-90	3076.29	94.35%	99.95%
0-120	3076.29	94.35%	99.95%
0-180	3077.71	94.39%	100.00%
60-90	61.86	1.90%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.12	2462.17	75.51%	80.00%

ZONAL LUMEN SUMMARY

0-10	1022.87
10-20	1061.98
20-30	632.79
30-40	217.06
40-50	49.50
50-60	30.22
60-70	27.16
70-80	20.32
80-90	14.39
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):

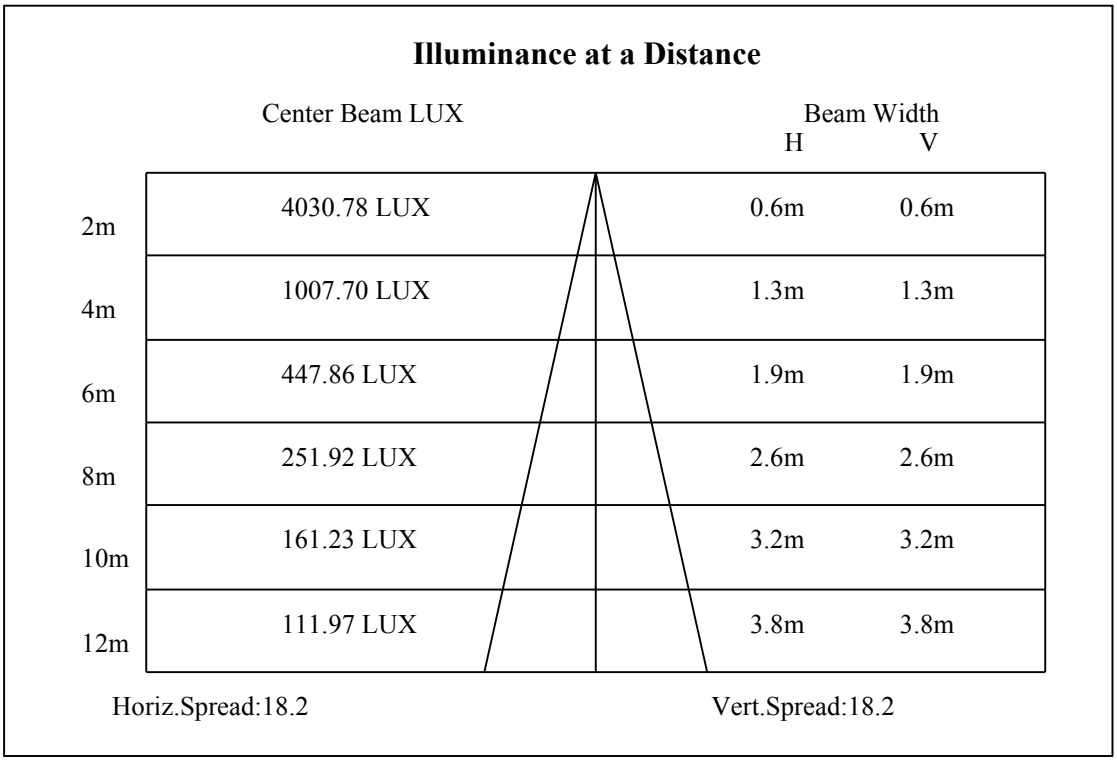
C0/C180:

C90/C270:

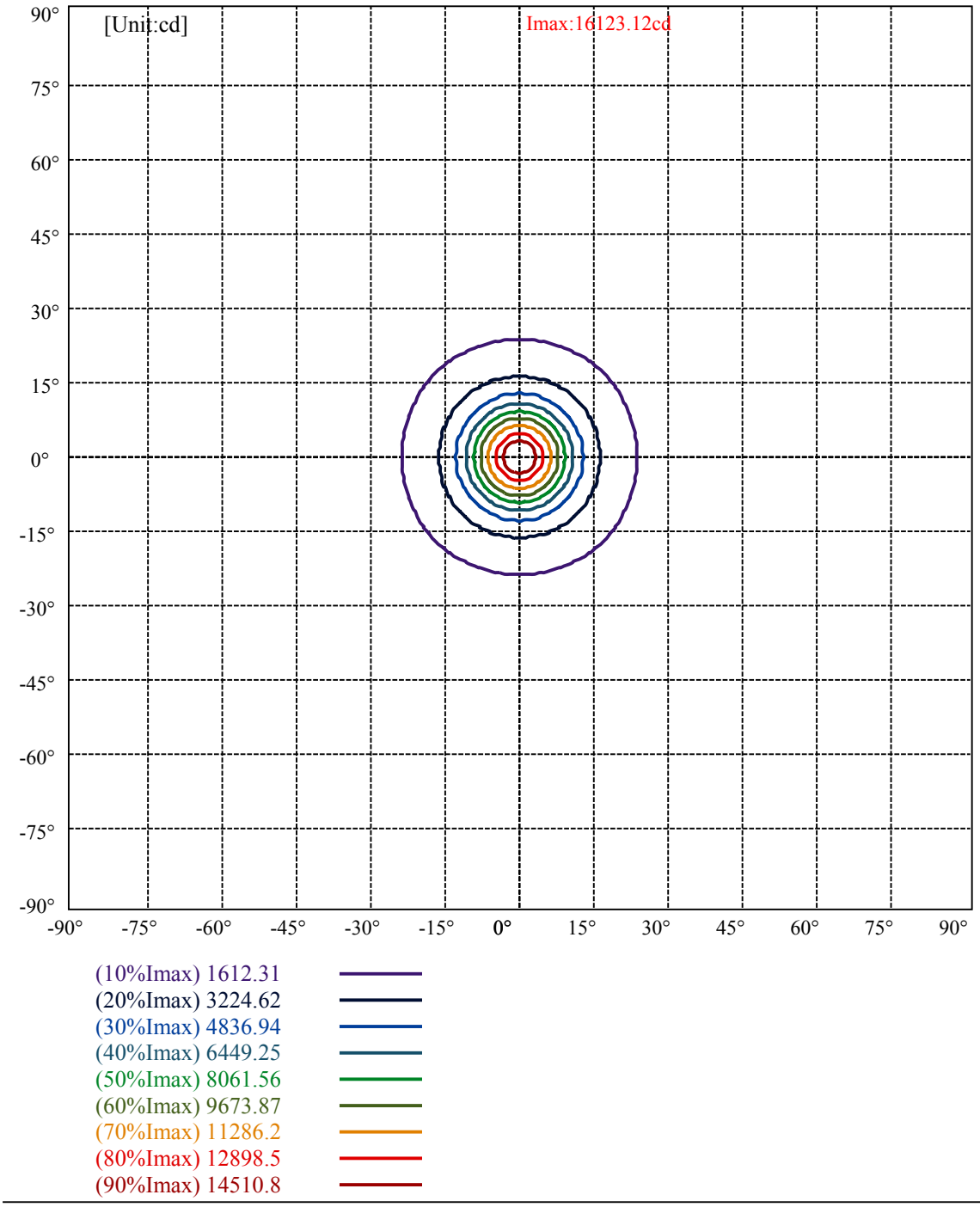
Field angle(10%Imax):C0/180Left:23.4 Right:23.4
:C90/270Left:23.4 Right:23.4

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1

Lux distance Curve



ISO-Intensity(V-H)

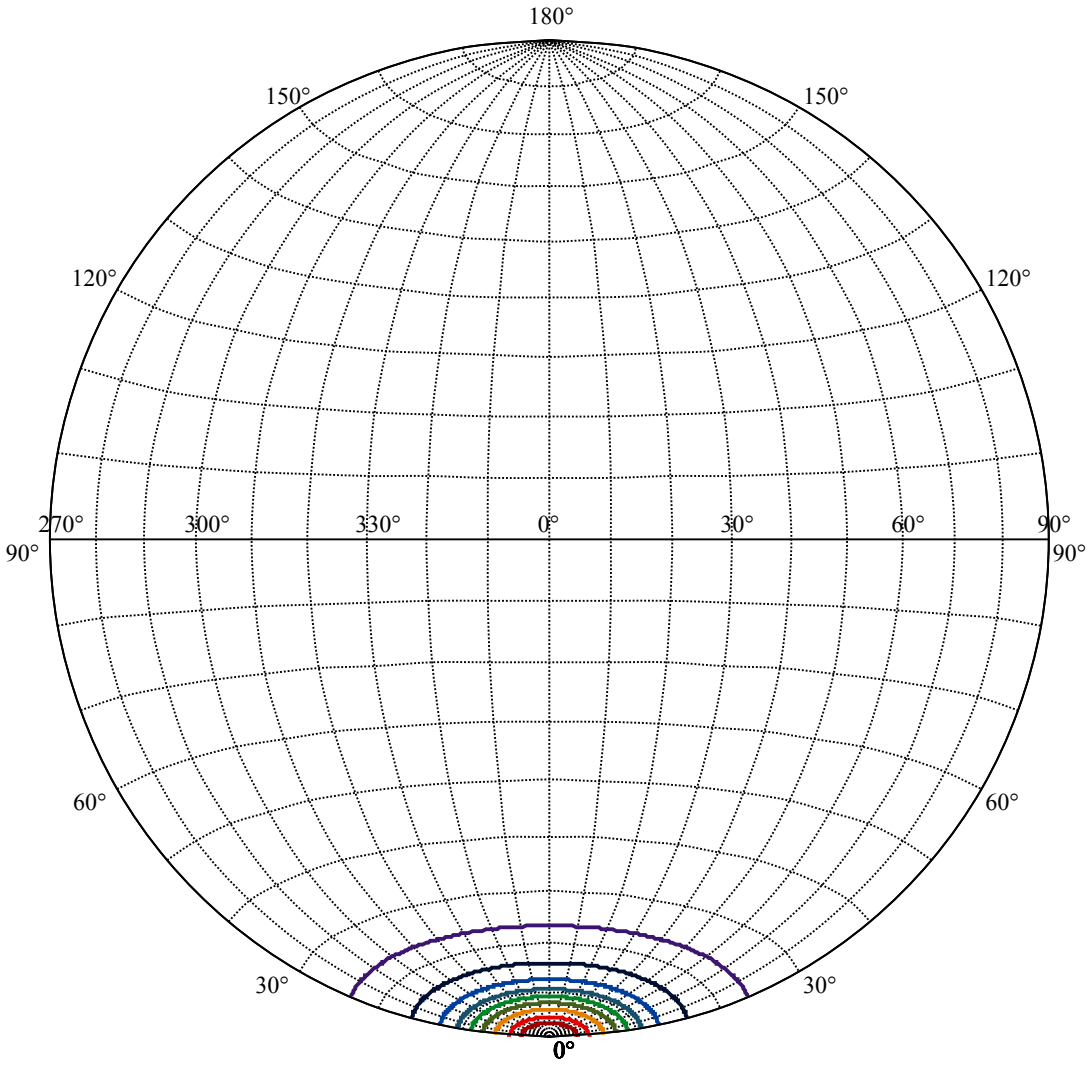


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:16123.12

(10%Imax) 1612.31
(20%Imax) 3224.62
(30%Imax) 4836.94
(40%Imax) 6449.25
(50%Imax) 8061.56
(60%Imax) 9673.87
(70%Imax) 11286.2
(80%Imax) 12898.5
(90%Imax) 14510.8

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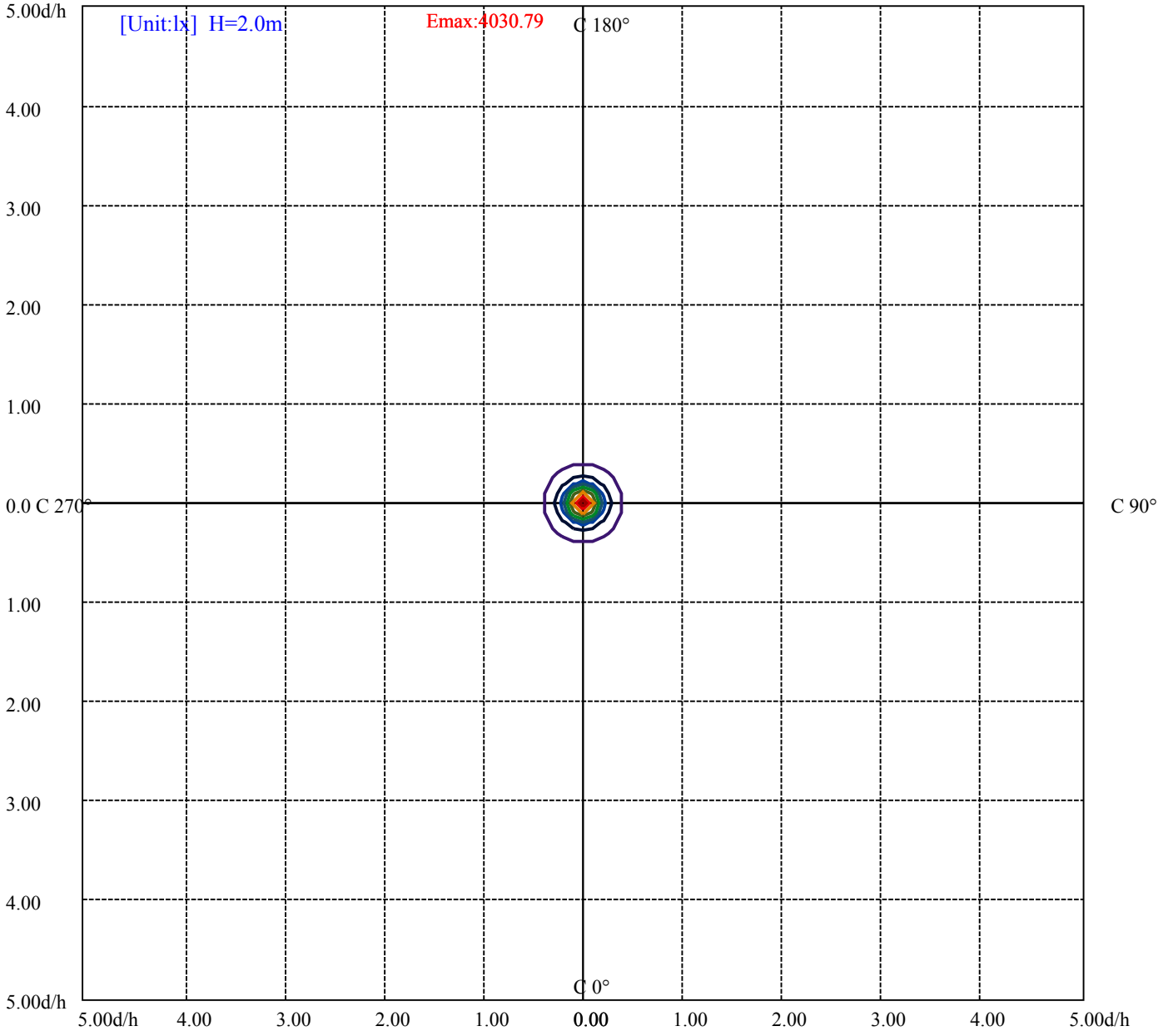
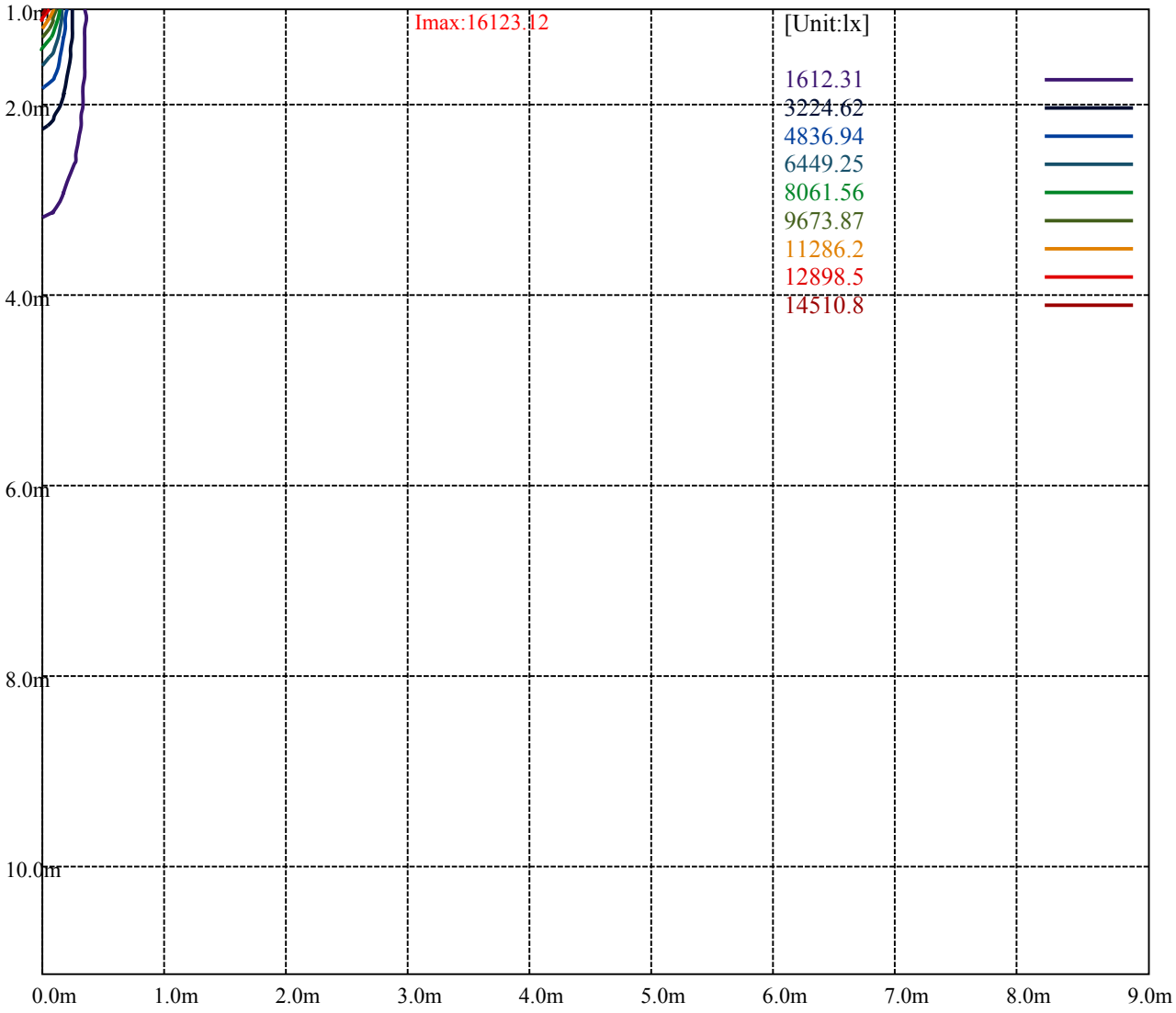
ISO illuminance diagram



(10%Emax) 403.0775
(20%Emax) 806.155
(30%Emax) 1209.233
(40%Emax) 1612.31
(50%Emax) 2015.387
(60%Emax) 2418.465
(70%Emax) 2821.55
(80%Emax) 3224.625
(90%Emax) 3627.7

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/10/31
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2643-L

Luminance Limitting Curve(no luminous side)

Luminance Table

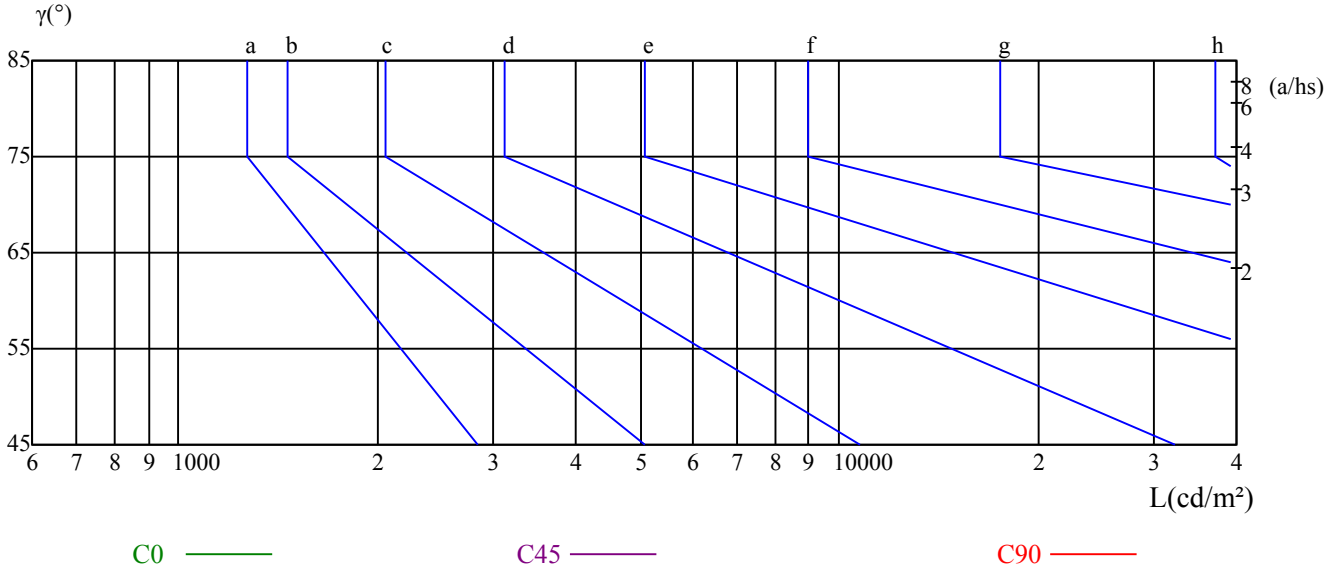
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

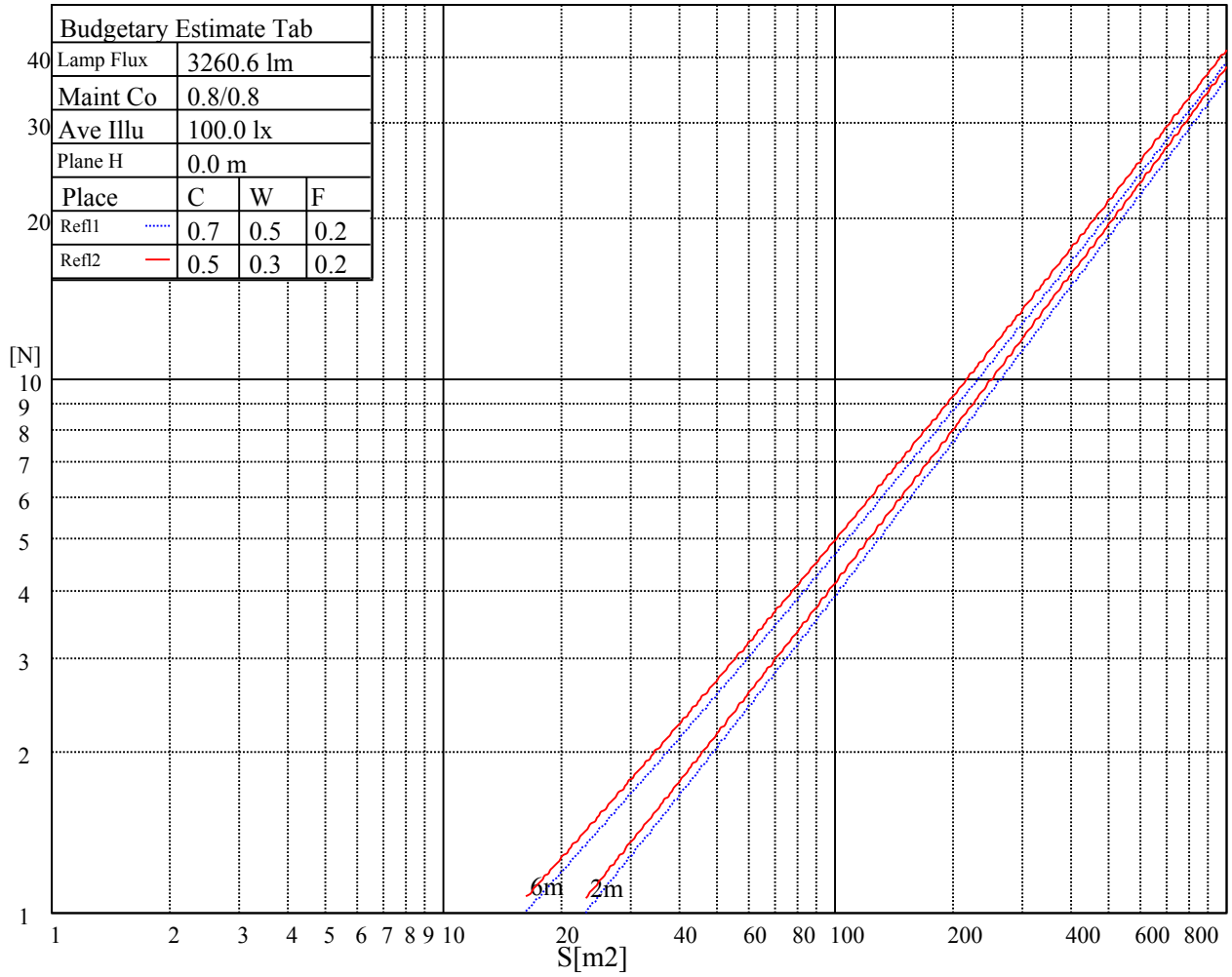
Luminance Limitting Curve



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

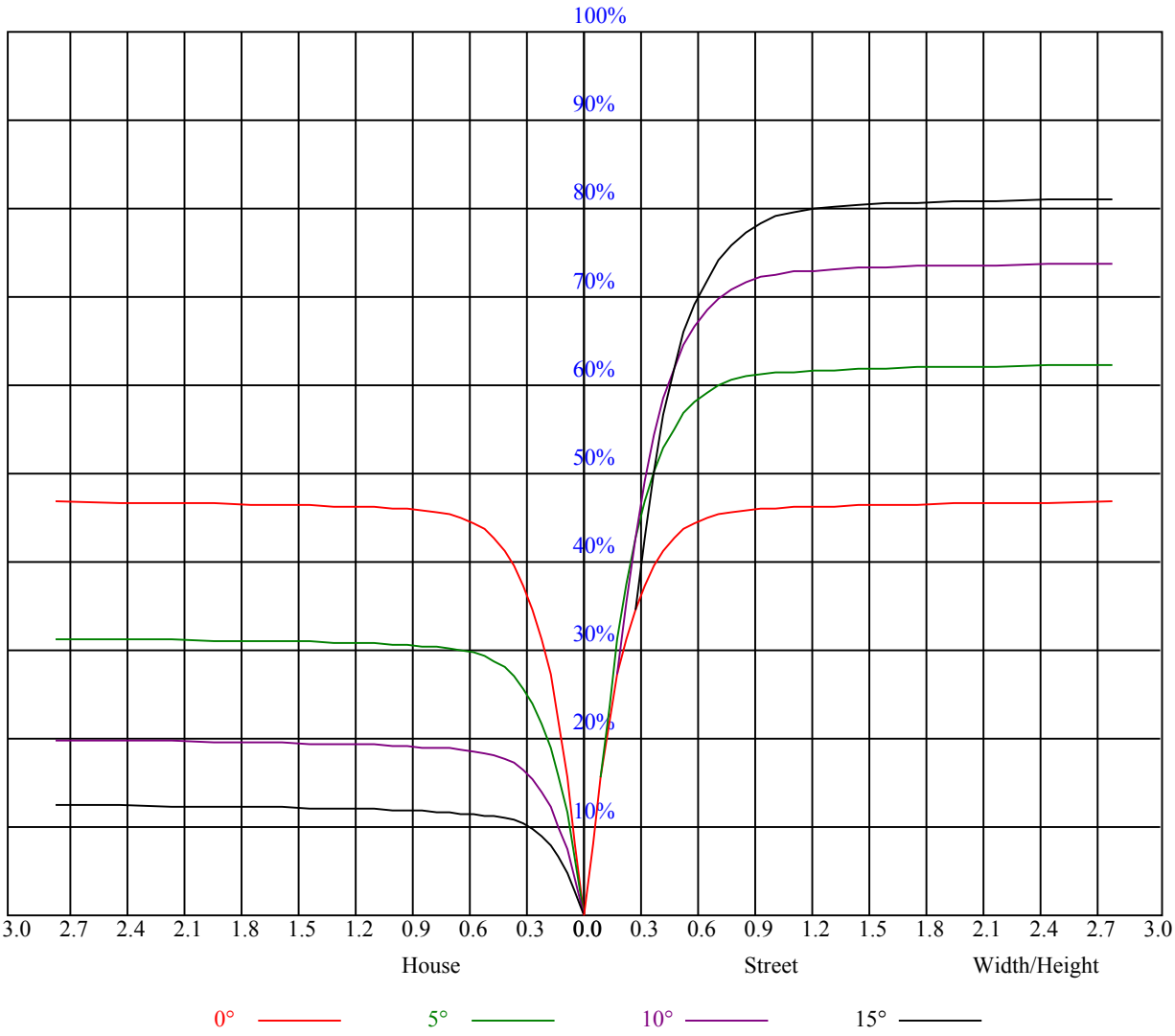


Equipment: GMS1980 Date: 2023/10/31 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.83	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.68
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
10	0.73	0.69	0.66	0.72	0.68	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/31	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	16047.01	15609.72	14773.88	13882.68	10857.06	10857.06	10272.52	9131.68	8010.77
45.0	16218.60	16080.22	15687.21	14862.44	14004.46	12985.95	11889.95	10478.44	9338.15
90.0	16052.54	15515.61	14856.91	14032.14	12316.18	10838.23	10558.15	9414.54	8023.50
135.0	16174.32	15963.98	15521.15	14718.52	13849.47	12842.04	11779.25	10384.34	9282.80
180.0	16047.01	16213.07	16030.40	15626.32	14823.69	14015.53	13035.77	11984.05	10567.00
225.0	16218.60	15980.58	15537.76	14906.72	13871.61	10958.35	10958.35	10377.14	9231.87
270.0	16052.54	16196.46	16063.61	15648.46	14851.37	14021.07	13057.91	11718.36	10561.47
315.0	16174.32	16085.76	15609.72	14978.68	14164.99	12399.21	10926.25	10630.11	9456.61
360.0	16047.01	15609.72	14773.88	13882.68	10857.06	10857.06	10272.52	9131.68	8010.77

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6742.62	5878.55	5147.33	4524.05	3895.79	3509.42	3176.74	2892.23	2596.64
45.0	8236.62	7190.43	6044.61	5297.34	4644.17	4002.07	3592.45	3166.23	2889.46
90.0	7016.62	5928.37	5184.97	4557.82	4054.65	3537.10	3195.56	2915.47	2666.38
135.0	7937.71	6963.48	6105.50	5181.10	4572.21	4074.02	3658.87	3221.58	2933.74
180.0	9443.32	8319.65	7295.60	6155.32	5385.91	4721.66	4068.49	3658.87	3299.07
225.0	8120.93	6883.22	6025.24	5279.07	4653.58	4034.72	3617.36	3267.52	2971.38
270.0	9415.65	8059.48	7063.12	6183.00	5225.38	4610.95	4096.17	3592.45	3249.26
315.0	8043.43	7026.03	6135.39	5213.20	4583.83	4083.99	3576.40	3243.72	2946.47
360.0	6742.62	5878.55	5147.33	4524.05	3895.79	3509.42	3176.74	2892.23	2596.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2389.61	2147.72	1974.46	1812.83	1630.72	1495.65	1361.70	1074.36	1074.36
45.0	2828.57	2828.57	2190.90	2014.87	1853.79	1703.78	1528.87	1393.80	1262.06
90.0	2397.92	2198.09	2013.76	1846.60	1663.93	1522.78	1258.19	1096.17	1096.17
135.0	2806.43	2806.43	2217.47	2030.92	1869.29	1683.30	1545.47	1409.86	1248.78
180.0	2928.21	2861.78	2861.78	2194.22	2009.89	1842.72	1691.61	1524.99	1396.57
225.0	2654.76	2432.24	2177.61	1996.60	1834.97	1655.07	1528.31	1404.32	1100.26
270.0	2955.88	2828.57	2828.57	2209.72	2031.48	1863.76	1719.28	1553.22	1427.57
315.0	2635.94	2414.52	2215.80	2030.37	1826.12	1683.86	1550.45	1424.25	1081.89
360.0	2389.61	2147.72	1974.46	1812.83	1630.72	1495.65	1361.70	1074.36	1074.36

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	947.16	828.26	717.60	598.37	512.41	432.20	344.24	284.41	234.53
45.0	1131.43	975.33	856.32	746.17	620.51	530.29	447.81	357.58	296.70
90.0	939.46	820.34	712.68	613.59	502.94	425.39	355.76	295.03	232.43
135.0	1122.02	997.47	846.91	737.86	636.01	544.68	442.28	370.32	307.77
180.0	1277.56	1149.69	999.13	881.78	769.97	638.78	551.32	451.13	380.28
225.0	1100.26	1009.10	891.64	780.71	652.07	559.35	476.43	402.42	323.54
270.0	1273.13	1150.25	1004.11	891.75	776.61	668.12	554.09	473.27	401.87
315.0	1081.89	993.04	875.53	763.16	637.89	545.34	460.65	386.26	307.27
360.0	947.16	828.26	717.60	598.37	512.41	432.20	344.24	284.41	234.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	184.88	153.88	128.81	106.00	91.72	79.93	70.52	61.94	56.79
45.0	282.30	221.19	154.33	128.86	105.01	90.39	78.33	68.86	60.39
90.0	192.58	160.53	128.03	108.44	92.39	76.83	67.53	60.78	54.30
135.0	279.54	279.54	161.52	134.68	109.71	94.32	81.70	69.58	62.60
180.0	318.84	291.16	291.16	173.20	145.47	123.11	100.36	86.19	75.23
225.0	269.57	224.90	179.29	150.29	121.56	103.23	88.40	76.89	66.09
270.0	338.76	285.07	285.07	187.04	155.60	123.00	102.85	87.18	73.01
315.0	254.90	212.17	176.58	141.37	119.84	102.40	84.91	74.06	65.87
360.0	184.88	153.88	128.81	106.00	91.72	79.93	70.52	61.94	56.79

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	52.64	48.99	45.17	42.51	40.24	37.86	36.26	34.65	33.54
45.0	55.30	51.15	47.60	43.90	41.35	38.58	36.75	35.20	33.71
90.0	50.32	46.77	43.07	40.52	38.36	36.53	34.65	33.38	32.38
135.0	56.02	51.87	48.32	45.22	41.90	39.74	37.86	36.26	34.65
180.0	67.25	59.78	55.24	51.31	47.38	44.56	41.74	39.69	37.97
225.0	59.73	54.91	51.04	46.88	44.28	42.01	39.52	37.70	36.26
270.0	65.10	59.01	53.19	49.54	45.61	43.01	40.74	38.80	36.81
315.0	58.45	54.03	50.26	46.22	43.56	41.13	39.13	36.98	35.59
360.0	52.64	48.99	45.17	42.51	40.24	37.86	36.26	34.65	33.54

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.66	31.77	31.22	30.89	30.67	30.61	30.33	30.17	30.06
45.0	32.66	31.77	31.11	30.56	30.17	30.06	30.11	29.84	29.72
90.0	31.61	30.83	30.39	30.06	29.95	29.95	29.61	29.45	29.17
135.0	33.54	32.60	31.88	31.22	30.89	30.72	30.56	30.39	30.06
180.0	36.37	34.76	33.60	32.71	31.83	31.39	31.16	31.00	30.67
225.0	34.60	33.54	32.71	31.88	31.50	31.27	31.11	30.78	30.56
270.0	35.43	34.37	33.43	32.77	31.99	31.61	31.33	31.22	30.89
315.0	34.32	33.38	32.38	31.77	31.33	31.05	30.94	30.56	30.33
360.0	32.66	31.77	31.22	30.89	30.67	30.61	30.33	30.17	30.06

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.34	28.12	27.23	25.91	24.58	23.58	22.53	21.70	20.98
45.0	29.56	28.73	27.73	26.57	25.46	24.19	23.25	22.25	21.48
90.0	28.51	27.18	26.35	25.35	24.02	22.81	22.03	21.26	20.48
135.0	29.72	28.95	27.90	26.63	25.57	24.24	23.25	22.25	21.48
180.0	30.33	30.06	29.23	28.06	27.18	25.79	24.52	23.58	22.75
225.0	30.22	29.17	28.01	27.01	25.96	24.41	23.41	22.31	21.53
270.0	30.61	30.22	29.34	27.90	26.96	25.85	24.47	23.25	22.42
315.0	30.11	29.34	28.06	27.07	26.02	24.47	23.53	22.58	21.75
360.0	29.34	28.12	27.23	25.91	24.58	23.58	22.53	21.70	20.98

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.26	19.76	19.26	18.76	18.16	17.71	17.21	16.77	16.16
45.0	20.70	20.20	19.54	19.10	18.60	18.16	17.60	17.16	16.61
90.0	19.93	19.48	18.93	18.49	18.05	17.44	16.99	16.55	16.11
135.0	20.81	20.15	19.65	19.15	18.60	18.16	17.60	17.16	16.66
180.0	21.70	20.98	20.43	19.82	19.21	18.71	18.21	17.60	17.16
225.0	20.87	20.09	19.60	19.04	18.54	17.93	17.49	17.05	16.55
270.0	21.53	20.87	20.09	19.60	18.93	18.43	17.99	17.38	16.88
315.0	20.87	20.26	19.71	19.04	18.60	18.10	17.49	17.05	16.61
360.0	20.26	19.76	19.26	18.76	18.16	17.71	17.21	16.77	16.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.72	15.22	14.78	14.39	14.06	13.78	13.45	13.12	13.01
45.0	16.16	15.72	15.11	14.72	14.34	14.00	13.73	13.34	13.01
90.0	15.61	15.17	14.83	14.45	14.06	13.73	13.40	13.28	12.95
135.0	16.22	15.72	15.22	14.78	14.45	14.06	13.67	13.34	12.90
180.0	16.72	16.16	15.61	15.17	14.72	14.34	14.00	13.62	13.23
225.0	16.00	15.50	15.06	14.67	14.34	14.00	13.67	13.34	13.01
270.0	16.44	15.94	15.44	15.06	14.61	14.28	13.95	13.62	13.28
315.0	16.05	15.67	15.17	14.72	14.39	14.06	13.78	13.40	13.23
360.0	15.72	15.22	14.78	14.39	14.06	13.78	13.45	13.12	13.01

Intensity data(cd)

C/γ(°)	90.0
0.0	13.01
45.0	13.01
90.0	12.95
135.0	12.95
180.0	12.84
225.0	12.90
270.0	12.90
315.0	12.95
360.0	13.01