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

LumCAT: 2-2641-L
Luminaire: 92.70.412.00
LampCAT: Fortimo_SLM_C_1208
Ballast type: AC

Report No: 20231031-B019	Voltage(V): 34.6600
Test No: 20231031-C019	Current(A): 0.5760
Number of Lamps: 1	Power (W): 19.9640
Lamp flux(lm): 3260.6	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2994.92, Efficiency(%): 91.85% , Luminous Efficacy(lm/W): 150.02
Central intensity(cd): 6525.221, Maximum intensity(cd): 6525.221
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=65.6
[C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
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(%): 91.85%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.847%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6525.221	0.000	0	0.00%	0.00%
1.0	6510.414	6.237	6.237	0.19%	0.21%
2.0	6467.584	18.627	24.865	0.57%	0.83%
3.0	6397.700	30.770	55.634	0.94%	1.86%
4.0	6309.134	42.534	98.168	1.30%	3.28%
5.0	6197.043	53.801	151.969	1.65%	5.07%
6.0	6065.025	64.440	216.409	1.98%	7.23%
7.0	5914.671	74.358	290.767	2.28%	9.71%
8.0	5733.526	83.364	374.131	2.56%	12.49%
9.0	5535.222	91.327	465.458	2.80%	15.54%
10.0	5313.323	98.175	563.633	3.01%	18.82%
11.0	5106.370	104.114	667.747	3.19%	22.30%
12.0	4873.608	109.095	776.843	3.35%	25.94%
13.0	4632.197	112.810	889.653	3.46%	29.71%
14.0	4399.643	115.607	1005.26	3.55%	33.57%
15.0	4158.647	117.492	1122.752	3.60%	37.49%
16.0	3906.995	118.184	1240.936	3.62%	41.43%
17.0	3657.835	117.805	1358.741	3.61%	45.37%
18.0	3389.024	116.187	1474.928	3.56%	49.25%
19.0	3149.758	113.761	1588.689	3.49%	53.05%
20.0	2892.156	110.584	1699.273	3.39%	56.74%
21.0	2642.027	106.268	1805.541	3.26%	60.29%
22.0	2416.046	101.644	1907.185	3.12%	63.68%
23.0	2203.904	96.939	2004.124	2.97%	66.92%
24.0	2021.306	92.378	2096.502	2.83%	70.00%
25.0	1834.349	87.669	2184.171	2.69%	72.93%
26.0	1669.395	82.706	2266.878	2.54%	75.69%
27.0	1437.374	76.008	2342.885	2.33%	78.23%
28.0	1251.455	68.075	2410.961	2.09%	80.50%
29.0	1143.785	62.666	2473.627	1.92%	82.59%
30.0	1013.953	58.258	2531.886	1.79%	84.54%
31.0	872.310	52.492	2584.378	1.61%	86.29%
32.0	743.420	46.289	2630.666	1.42%	87.84%
33.0	628.236	40.409	2671.076	1.24%	89.19%
34.0	519.784	34.742	2705.818	1.07%	90.35%
35.0	422.535	29.265	2735.083	0.90%	91.32%
36.0	340.044	24.281	2759.364	0.74%	92.13%
37.0	275.675	20.081	2779.445	0.62%	92.81%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	234.367	17.025	2796.47	0.52%	93.37%
39.0	184.327	14.291	2810.761	0.44%	93.85%
40.0	137.014	11.207	2821.968	0.34%	94.23%
41.0	121.646	9.211	2831.179	0.28%	94.53%
42.0	110.022	8.417	2839.596	0.26%	94.81%
43.0	101.020	7.818	2847.413	0.24%	95.07%
44.0	92.759	7.314	2854.727	0.22%	95.32%
45.0	85.667	6.857	2861.584	0.21%	95.55%
46.0	79.432	6.457	2868.041	0.20%	95.76%
47.0	73.475	6.082	2874.123	0.19%	95.97%
48.0	68.493	5.739	2879.862	0.18%	96.16%
49.0	63.581	5.424	2885.285	0.17%	96.34%
50.0	59.540	5.133	2890.419	0.16%	96.51%
51.0	55.644	4.873	2895.292	0.15%	96.67%
52.0	52.281	4.631	2899.923	0.14%	96.83%
53.0	49.140	4.412	2904.335	0.14%	96.98%
54.0	46.310	4.207	2908.542	0.13%	97.12%
55.0	43.722	4.019	2912.561	0.12%	97.25%
56.0	41.460	3.849	2916.41	0.12%	97.38%
57.0	39.543	3.704	2920.114	0.11%	97.50%
58.0	37.689	3.571	2923.685	0.11%	97.62%
59.0	35.904	3.441	2927.126	0.11%	97.74%
60.0	34.278	3.316	2930.441	0.10%	97.85%
61.0	32.908	3.206	2933.647	0.10%	97.95%
62.0	31.648	3.111	2936.758	0.10%	98.06%
63.0	30.403	3.018	2939.776	0.09%	98.16%
64.0	29.254	2.927	2942.703	0.09%	98.26%
65.0	28.203	2.843	2945.547	0.09%	98.35%
66.0	27.179	2.763	2948.31	0.08%	98.44%
67.0	26.224	2.685	2950.995	0.08%	98.53%
68.0	25.220	2.606	2953.601	0.08%	98.62%
69.0	24.376	2.530	2956.131	0.08%	98.71%
70.0	23.594	2.464	2958.595	0.08%	98.79%
71.0	22.702	2.393	2960.988	0.07%	98.87%
72.0	21.934	2.321	2963.309	0.07%	98.94%
73.0	21.221	2.257	2965.566	0.07%	99.02%
74.0	20.488	2.193	2967.758	0.07%	99.09%
75.0	19.754	2.126	2969.885	0.07%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.069	2.061	2971.946	0.06%	99.23%
77.0	18.384	1.997	2973.942	0.06%	99.30%
78.0	17.775	1.936	2975.878	0.06%	99.36%
79.0	17.090	1.873	2977.751	0.06%	99.43%
80.0	16.544	1.813	2979.565	0.06%	99.49%
81.0	15.942	1.757	2981.321	0.05%	99.55%
82.0	15.312	1.695	2983.016	0.05%	99.60%
83.0	14.752	1.634	2984.651	0.05%	99.66%
84.0	14.316	1.584	2986.234	0.05%	99.71%
85.0	13.908	1.540	2987.775	0.05%	99.76%
86.0	13.527	1.500	2989.274	0.05%	99.81%
87.0	13.195	1.462	2990.737	0.04%	99.86%
88.0	12.807	1.424	2992.161	0.04%	99.91%
89.0	12.517	1.388	2993.549	0.04%	99.95%
90.0	12.399	1.366	2994.915	0.04%	100.00%

Zonal flux distribution table

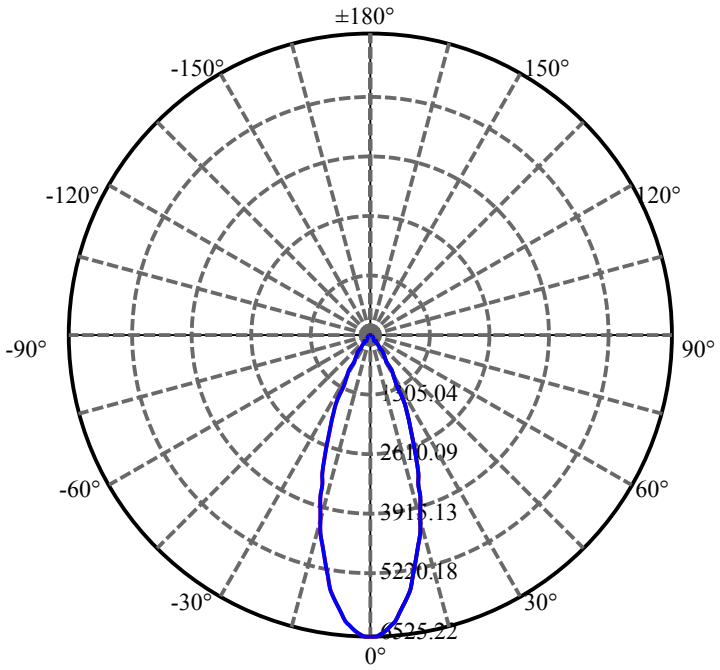
ZONAL LUMEN SUMMARY

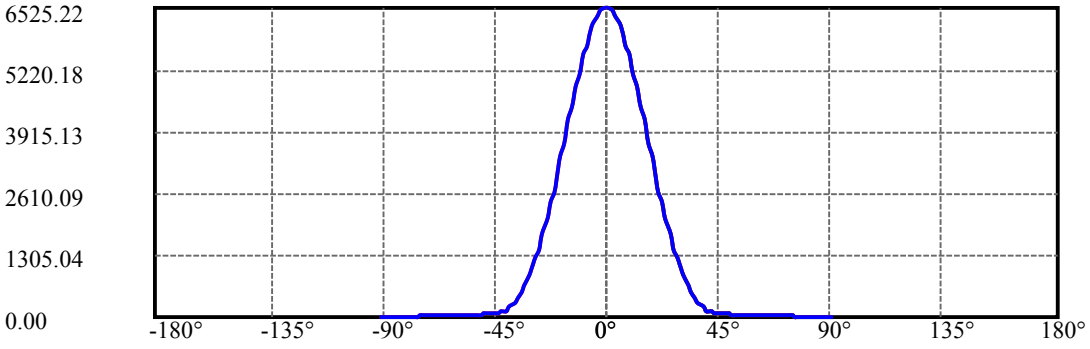
Zone	Lumens	%Lamp	%Fixt
0-30	2531.89	77.65%	84.54%
0-40	2821.97	86.55%	94.23%
0-60	2930.44	89.88%	97.85%
0-90	2993.55	91.81%	99.95%
0-120	2993.55	91.81%	99.95%
0-180	2994.92	91.85%	100.00%
60-90	63.11	1.94%	2.11%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.78	2395.93	73.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	563.63
10-20	1135.64
20-30	832.61
30-40	290.08
40-50	68.45
50-60	40.02
60-70	28.15
70-80	20.97
80-90	13.98
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):

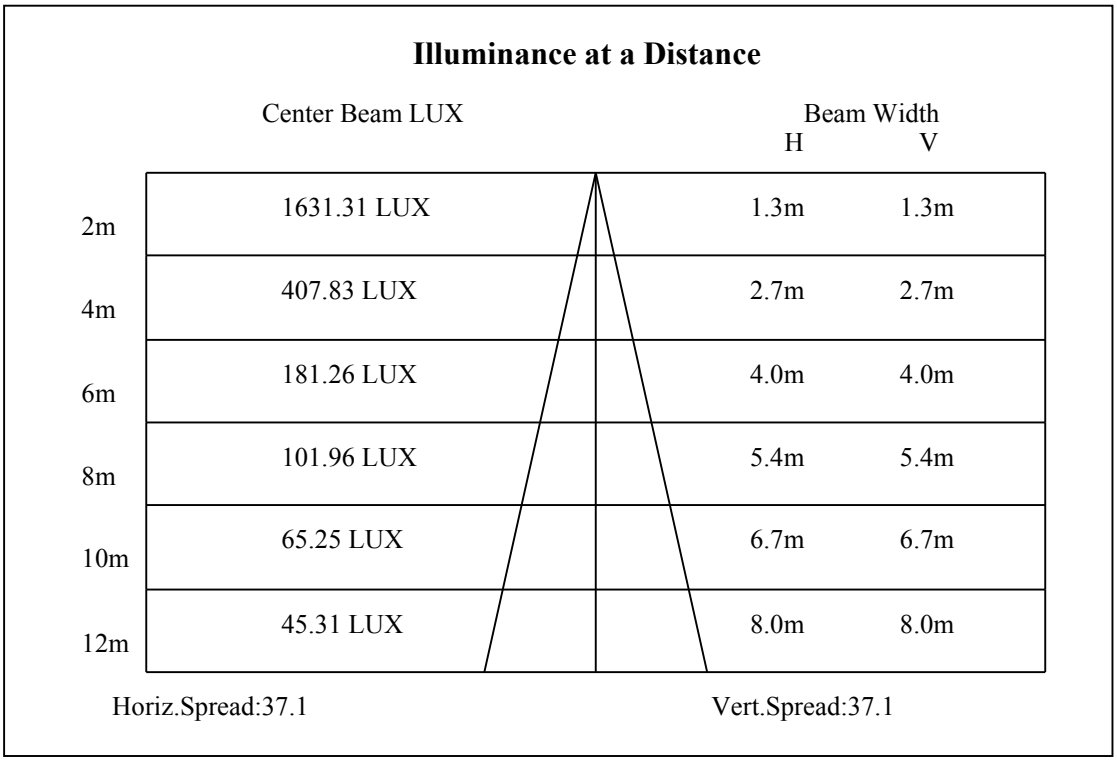
C0/C180:

C90/C270:

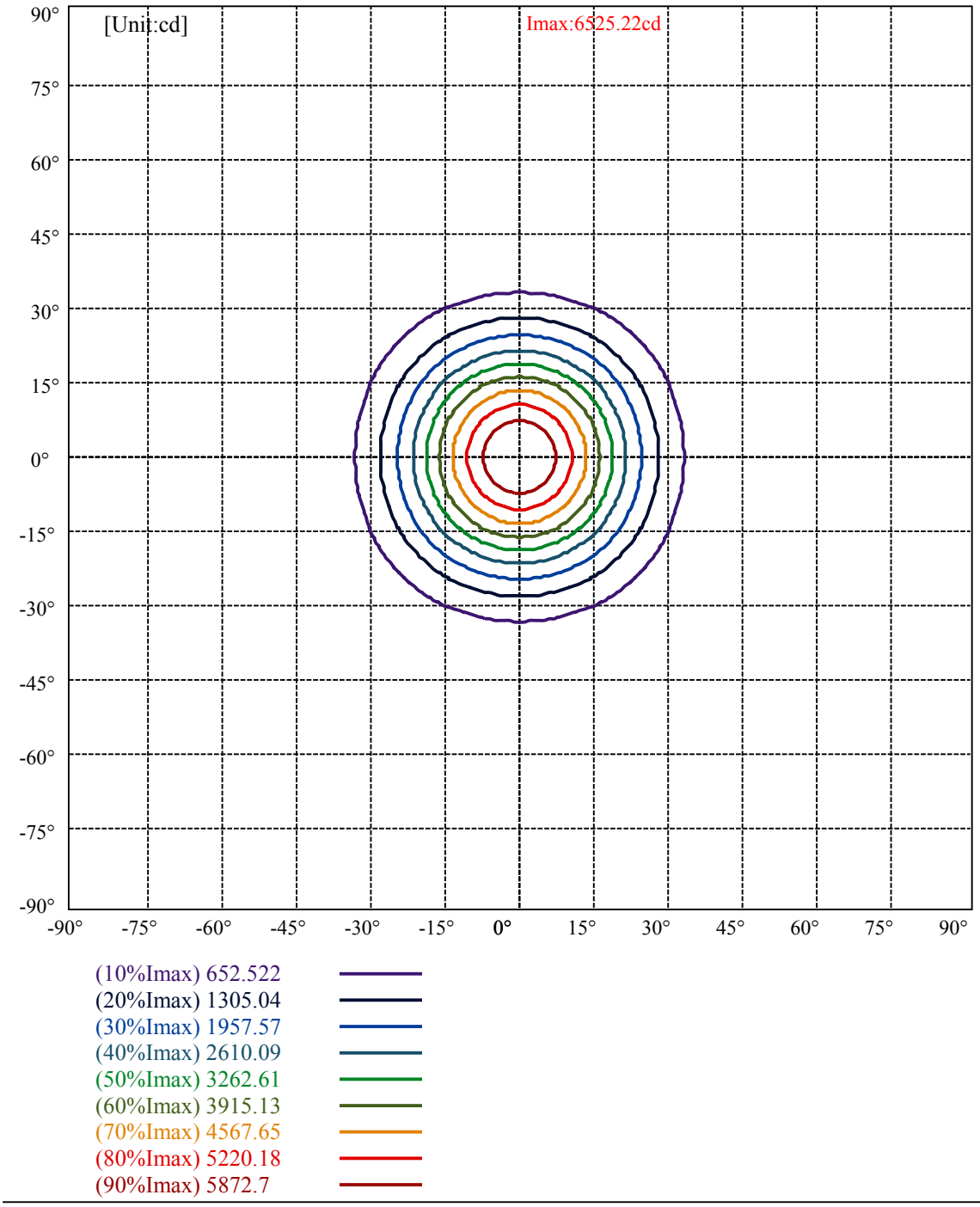
Field angle(10%Imax):C0/180Left:32.8 Right:32.8
:C90/270Left:32.8 Right:32.8

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

Lux distance Curve



ISO-Intensity(V-H)

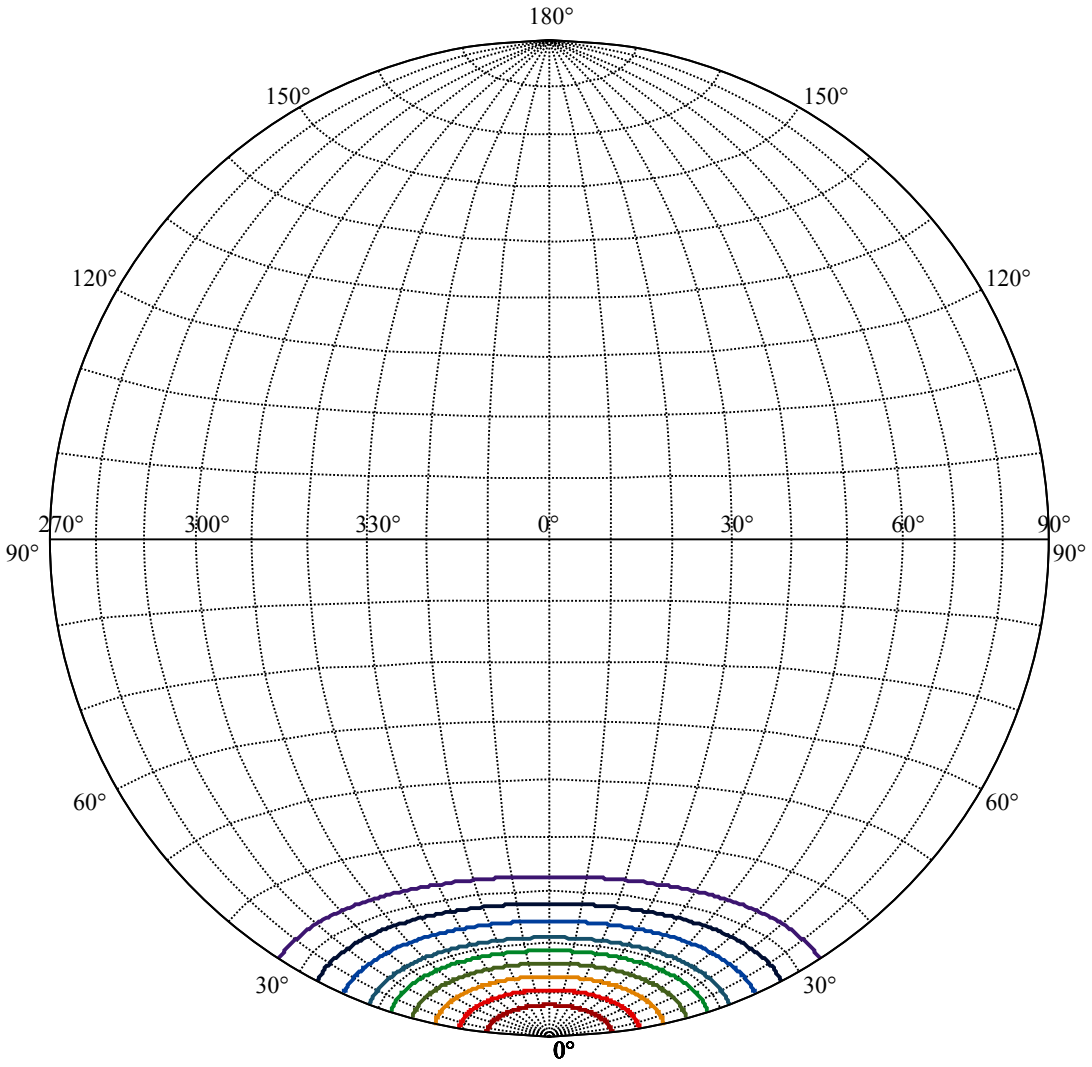


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



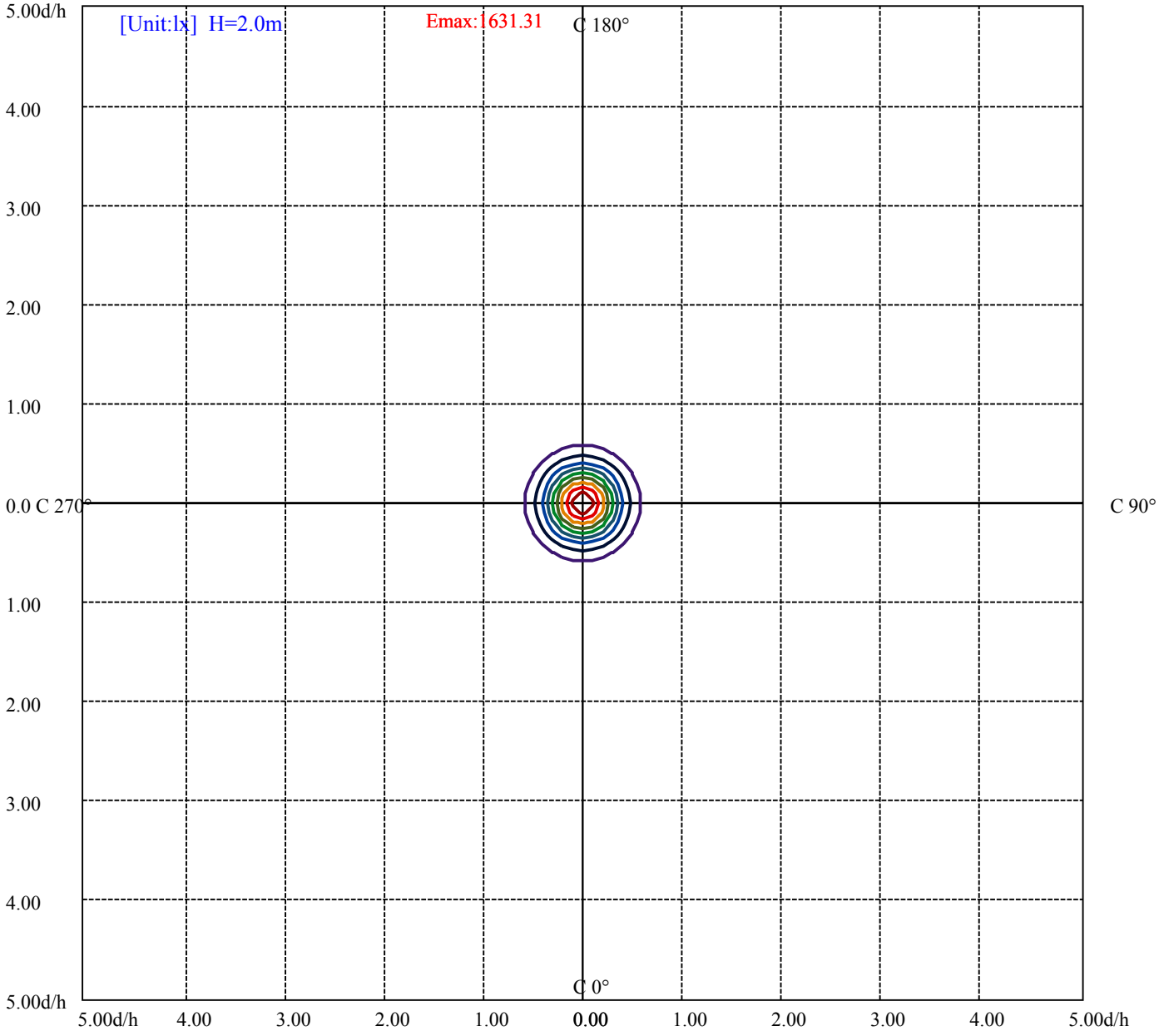
House [Unit:cd] Road

Imax:6525.22

(10%Imax) 652.522
(20%Imax) 1305.04
(30%Imax) 1957.57
(40%Imax) 2610.09
(50%Imax) 3262.61
(60%Imax) 3915.13
(70%Imax) 4567.65
(80%Imax) 5220.18
(90%Imax) 5872.7

NT 2-2641-L

ISO illuminance diagram

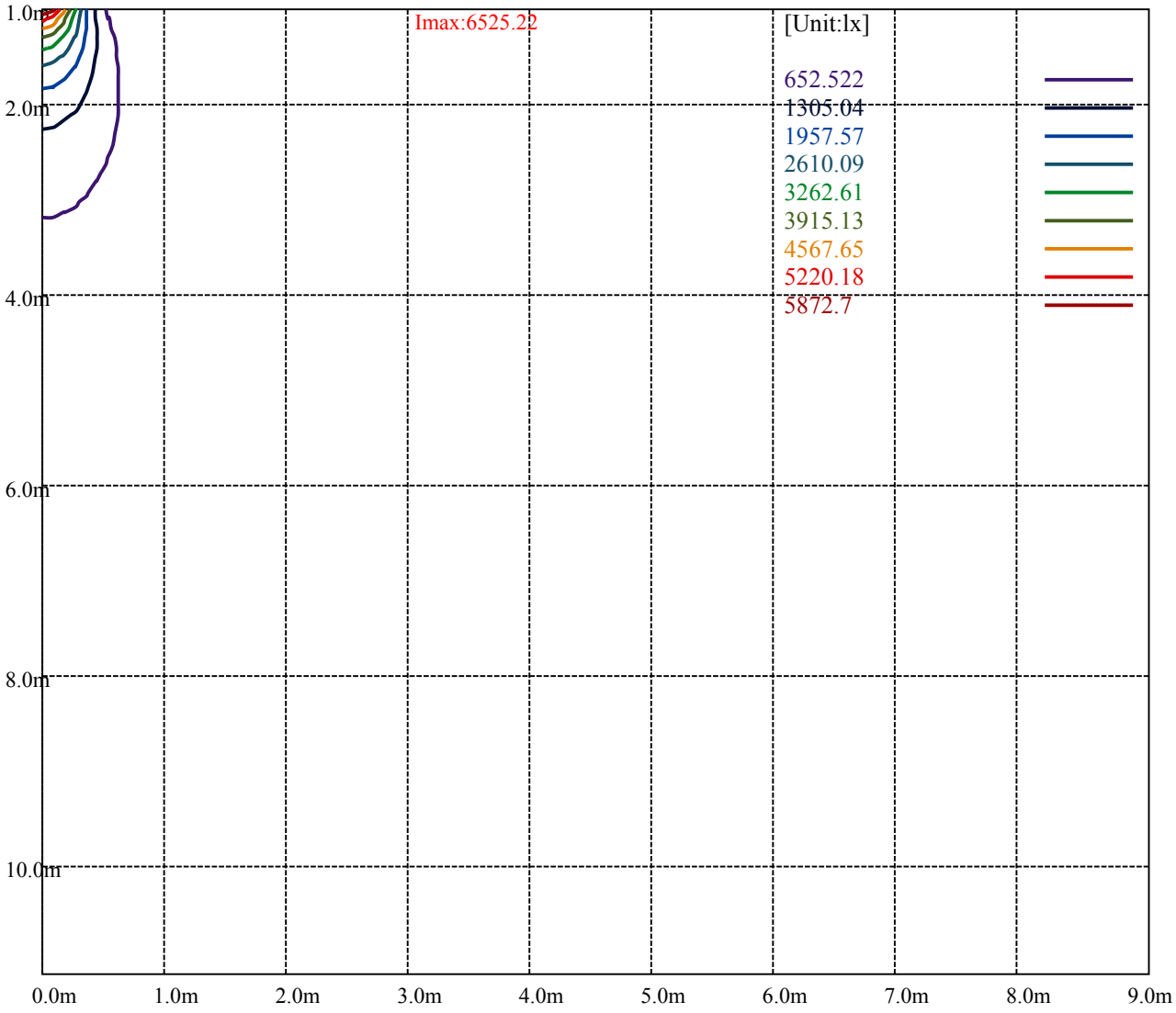


Equipment: GMS1980
Temperature(°C): 0.0

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 2-2641-L

Luminance Limitting Curve(no luminous side)

Luminance Table

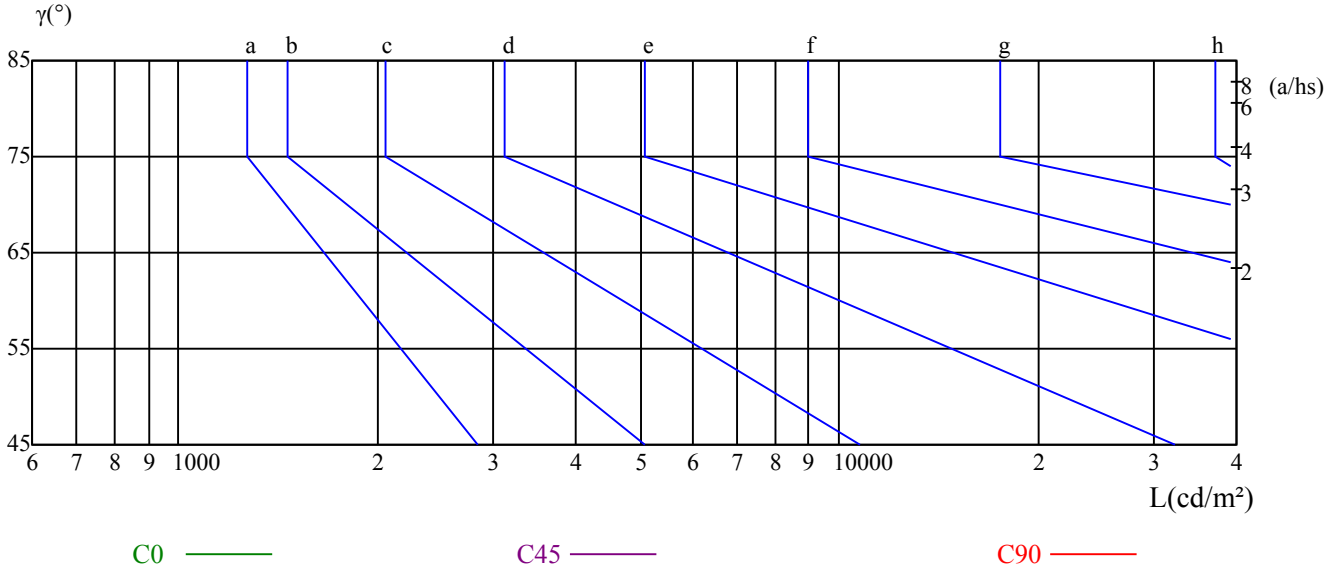
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

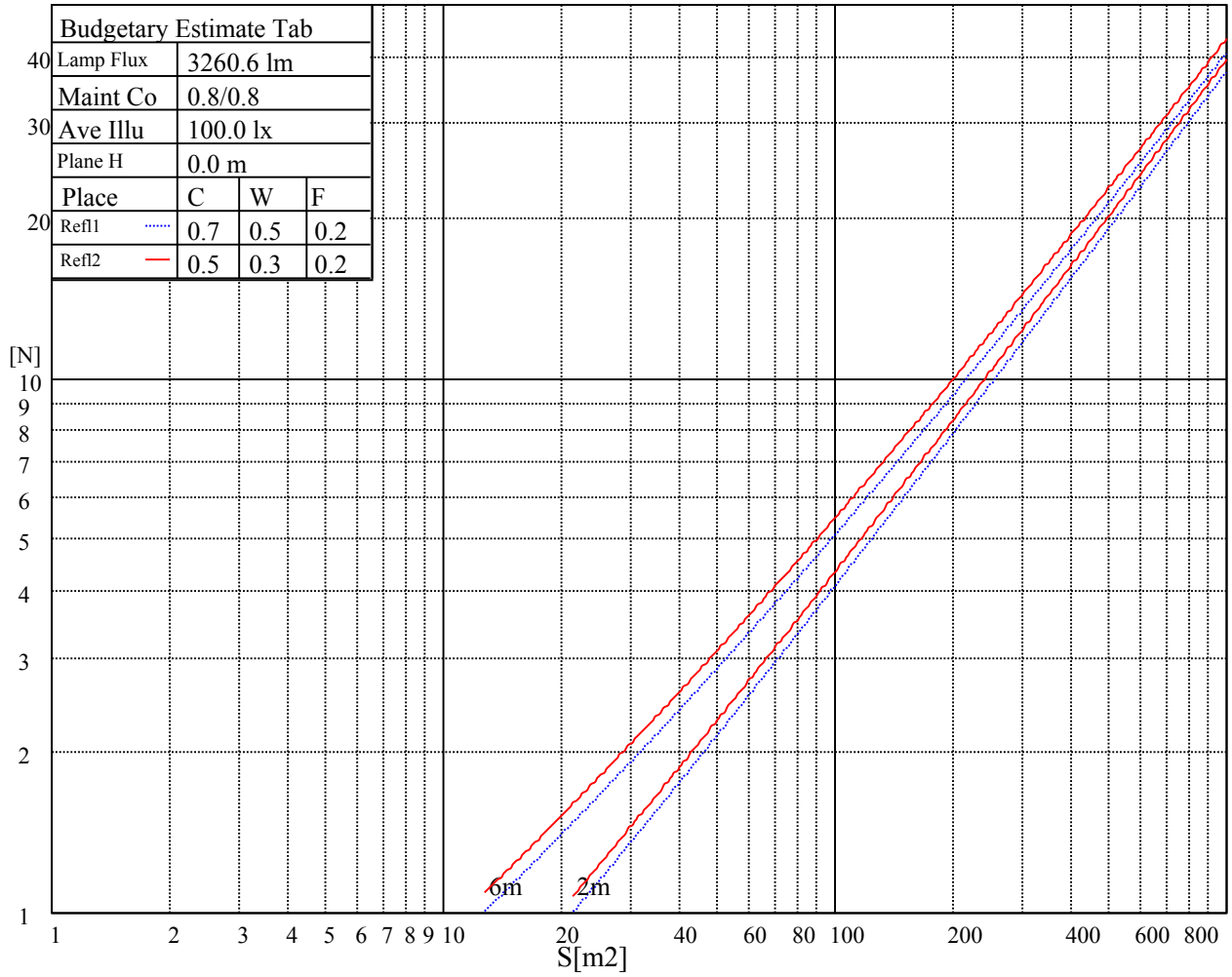
Luminance Limitting Curve



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

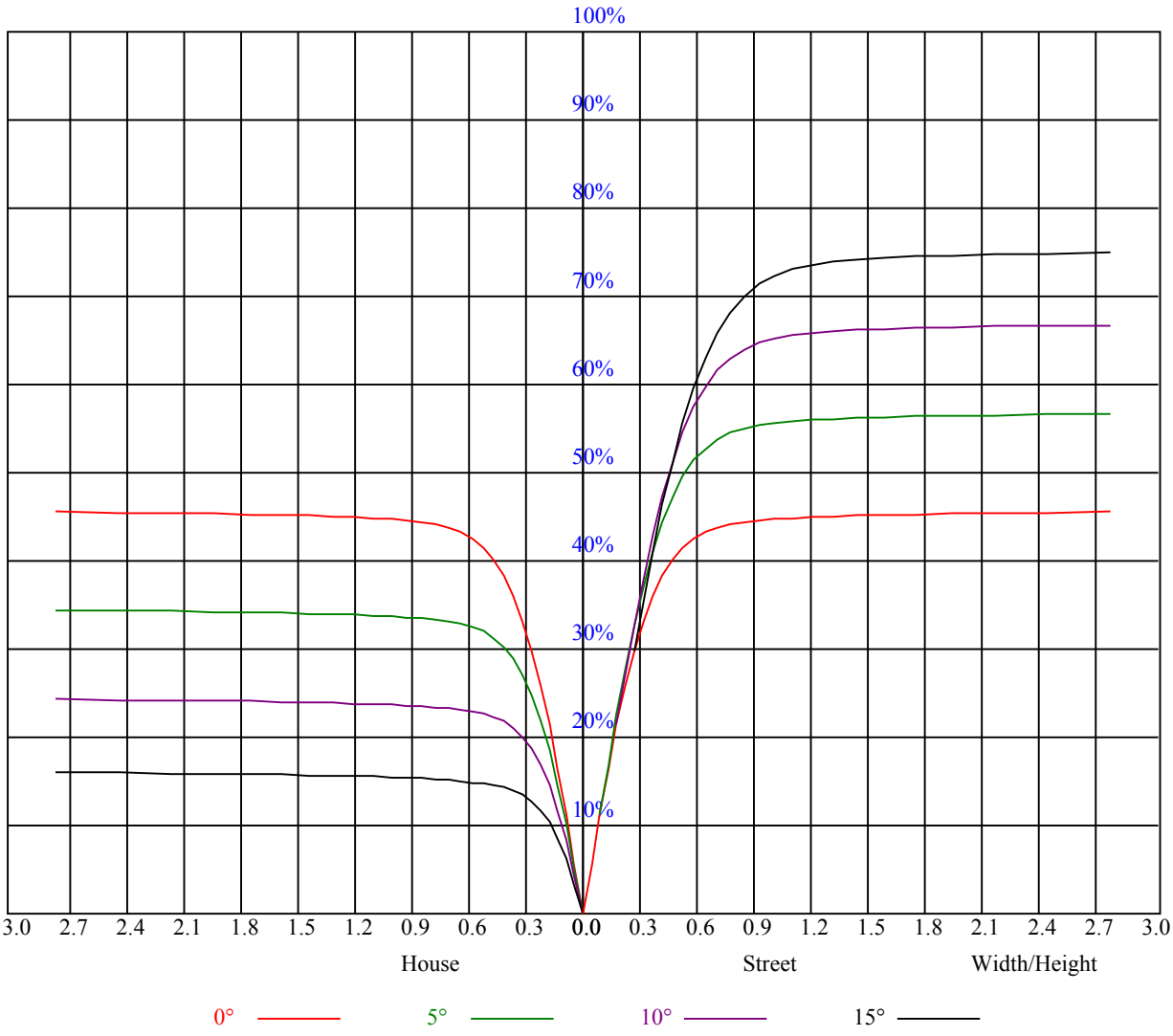


Equipment: GMS1980 Date: 2023/10/31 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.09	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	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.84	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
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	6513.46	6458.10	6371.75	6263.81	6158.09	5990.92	5831.50	5662.67	5475.58
45.0	6542.80	6509.03	6465.30	6365.11	6275.99	6167.50	6024.69	5882.98	5680.39
90.0	6516.78	6461.98	6383.93	6282.63	6179.68	6051.81	5874.12	5709.17	5510.45
135.0	6527.85	6511.24	6474.71	6414.93	6303.11	6209.57	6078.93	5939.44	5740.17
180.0	6513.46	6548.33	6543.90	6523.42	6470.28	6354.59	6268.80	6156.43	6020.81
225.0	6542.80	6546.12	6512.35	6445.93	6347.40	6251.64	6137.05	5965.46	5794.41
270.0	6516.78	6544.46	6525.64	6490.21	6437.62	6358.47	6233.37	6113.81	5929.48
315.0	6527.85	6504.05	6463.09	6395.55	6300.90	6191.85	6071.74	5887.41	5716.92
360.0	6513.46	6458.10	6371.75	6263.81	6158.09	5990.92	5831.50	5662.67	5475.58

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5219.29	5012.27	4794.18	4579.40	4305.40	4083.44	3848.18	3545.40	3312.36
45.0	5488.86	5244.75	5038.84	4822.96	4539.00	4320.90	4095.06	3800.58	3569.75
90.0	5256.93	5047.14	4827.39	4532.35	4313.15	4095.61	3806.11	3573.07	3335.05
135.0	5560.82	5307.30	5099.17	4882.19	4603.76	4380.13	4152.63	3924.02	3619.57
180.0	5822.65	5645.51	5445.13	5193.27	4975.74	4752.66	4482.53	4255.58	4024.21
225.0	5610.09	5367.64	5165.60	4963.56	4746.02	4479.77	4252.82	4024.21	3791.72
270.0	5780.02	5599.57	5403.06	5147.88	4930.90	4705.61	4479.21	4207.98	3978.26
315.0	5543.11	5282.39	5077.59	4867.24	4643.61	4379.02	4152.63	3925.12	3631.75
360.0	5219.29	5012.27	4794.18	4579.40	4305.40	4083.44	3848.18	3545.40	3312.36

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3017.32	2786.50	2563.98	2359.72	2132.22	1962.29	1801.76	1645.66	1441.41
45.0	3335.61	3103.12	2814.18	2586.12	2384.63	2195.88	1988.30	1828.88	1671.68
90.0	3043.89	2810.86	2590.55	2381.31	2189.23	1976.12	1817.81	1629.06	1472.41
135.0	3380.44	3141.87	2903.30	2619.89	2411.20	2214.70	2037.01	1830.54	1678.32
180.0	3724.74	3475.10	3222.69	2912.15	2675.24	2455.49	2250.12	2019.85	1852.68
225.0	3485.06	3236.52	2985.77	2690.74	2463.24	2209.16	2022.62	1851.58	1696.59
270.0	3735.26	3493.92	3193.90	2951.45	2649.22	2434.45	2240.71	2015.98	1846.04
315.0	3389.85	3150.17	2862.89	2634.83	2423.38	2183.15	2012.10	1853.24	1696.03
360.0	3017.32	2786.50	2563.98	2359.72	2132.22	1962.29	1801.76	1645.66	1441.41

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.81	1086.81	981.31	821.45	705.32	598.65	476.65	388.69	292.60
45.0	1462.44	1300.26	1151.35	976.44	850.23	731.22	595.60	497.63	408.51
90.0	1085.65	1085.65	987.95	861.36	711.29	602.91	502.67	411.72	310.59
135.0	1476.83	1317.42	1163.53	993.60	867.94	750.59	644.32	522.54	431.20
180.0	1700.46	1547.69	1350.63	1201.17	1059.47	887.87	769.97	634.35	538.04
225.0	1497.87	1079.51	1079.51	1044.52	882.61	764.71	654.89	554.98	442.94
270.0	1689.95	1492.89	1334.58	1182.35	1038.99	870.16	750.59	640.99	540.25
315.0	1498.98	1101.43	1101.43	1030.74	862.63	741.24	631.20	507.37	416.15
360.0	1086.81	1086.81	981.31	821.45	705.32	598.65	476.65	388.69	292.60

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	229.83	181.50	145.36	131.35	120.01	110.26	99.64	92.27	85.58
45.0	327.69	291.16	291.16	150.01	131.96	118.07	108.44	99.91	90.72
90.0	242.89	189.09	151.89	127.70	116.57	106.89	96.81	89.67	83.36
135.0	348.73	293.37	293.37	156.65	134.45	119.84	109.99	101.57	92.44
180.0	447.81	365.33	292.27	292.27	165.51	137.61	120.73	110.15	101.41
225.0	361.13	288.95	212.50	165.95	134.18	121.50	110.93	99.97	92.27
270.0	426.22	345.96	292.82	292.82	159.42	136.61	121.45	111.21	102.40
315.0	336.05	250.03	195.56	157.87	134.01	122.39	112.20	103.40	93.88
360.0	229.83	181.50	145.36	131.35	120.01	110.26	99.64	92.27	85.58

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	79.54	72.62	67.70	63.27	58.29	54.80	51.53	48.05	45.50
45.0	84.14	78.27	71.68	66.76	61.39	57.40	54.03	50.93	47.44
90.0	76.39	71.41	66.76	61.61	57.73	54.52	51.42	47.94	45.45
135.0	85.91	80.26	73.62	68.80	64.32	59.28	55.80	52.64	49.93
180.0	93.55	85.36	79.65	74.40	68.53	64.21	59.39	55.85	52.59
225.0	85.74	80.04	73.45	68.69	64.38	60.50	56.02	52.81	49.87
270.0	92.94	86.35	80.59	75.11	69.19	64.76	60.78	57.12	53.14
315.0	87.13	81.15	74.34	69.30	64.82	60.83	56.18	52.92	49.21
360.0	79.54	72.62	67.70	63.27	58.29	54.80	51.53	48.05	45.50

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	43.23	40.57	38.75	37.09	35.48	33.77	32.44	31.27	30.17
45.0	44.84	42.57	40.52	38.75	36.75	35.20	33.43	32.16	31.00
90.0	43.18	41.18	38.80	37.20	35.65	33.88	32.60	31.11	30.06
135.0	46.44	44.06	41.96	40.13	37.81	36.15	34.49	33.10	31.77
180.0	49.60	46.22	43.84	41.74	39.80	37.59	35.98	34.54	32.88
225.0	46.39	44.06	41.85	39.52	37.81	36.15	34.32	32.99	31.77
270.0	50.21	46.83	44.39	42.23	40.30	38.14	36.48	34.98	33.60
315.0	46.61	44.28	41.57	39.69	37.92	36.37	34.49	33.10	31.94
360.0	43.23	40.57	38.75	37.09	35.48	33.77	32.44	31.27	30.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.95	27.95	27.01	25.91	25.08	24.02	23.25	22.47	21.59
45.0	29.61	28.67	27.79	26.68	25.79	24.91	24.13	23.41	22.47
90.0	29.06	28.01	26.90	26.07	25.19	24.13	23.41	22.69	21.92
135.0	30.50	29.39	28.34	27.40	26.35	25.46	24.63	23.86	22.92
180.0	31.72	30.56	29.23	28.23	27.34	26.24	25.35	24.52	23.58
225.0	30.67	29.34	28.29	27.34	26.40	25.35	24.52	23.69	22.81
270.0	31.99	30.78	29.72	28.40	27.40	26.29	25.35	24.52	23.53
315.0	30.72	29.34	28.34	27.40	26.24	25.35	24.36	23.58	22.81
360.0	28.95	27.95	27.01	25.91	25.08	24.02	23.25	22.47	21.59

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.92	20.26	19.65	18.82	18.21	17.66	17.10	16.38	15.89
45.0	21.75	21.09	20.26	19.65	19.04	18.27	17.71	16.99	16.50
90.0	21.09	20.43	19.82	18.99	18.38	17.71	17.10	16.55	16.00
135.0	22.09	21.48	20.54	19.93	19.26	18.54	17.93	17.21	16.66
180.0	22.86	22.14	21.42	20.54	19.82	19.15	18.49	17.77	17.16
225.0	22.09	21.15	20.43	19.76	19.10	18.32	17.71	17.05	16.55
270.0	22.81	22.03	21.31	20.59	19.76	19.10	18.43	17.66	17.05
315.0	21.86	21.20	20.48	19.76	18.99	18.32	17.71	17.10	16.55
360.0	20.92	20.26	19.65	18.82	18.21	17.66	17.10	16.38	15.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.39	14.78	14.34	13.95	13.56	13.23	12.84	12.45	12.40
45.0	15.94	15.28	14.72	14.28	13.89	13.51	13.17	12.79	12.45
90.0	15.33	14.89	14.39	13.89	13.56	13.23	12.95	12.51	12.34
135.0	16.05	15.33	14.78	14.39	13.95	13.56	13.23	12.84	12.51
180.0	16.44	15.89	15.17	14.72	14.23	13.78	13.51	13.12	12.79
225.0	15.89	15.22	14.67	14.28	13.89	13.51	13.17	12.84	12.45
270.0	16.55	15.83	15.22	14.67	14.23	13.84	13.45	13.06	12.68
315.0	15.94	15.28	14.72	14.34	13.95	13.56	13.23	12.84	12.51
360.0	15.39	14.78	14.34	13.95	13.56	13.23	12.84	12.45	12.40

Intensity data(cd)

C/γ(°)	90.0
0.0	12.40
45.0	12.34
90.0	12.40
135.0	12.45
180.0	12.45
225.0	12.34
270.0	12.40
315.0	12.40
360.0	12.40