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

NATA

LumCAT: 2-2641-L
Luminaire: 92.70.412.00
LampCAT: TRIDONIC SLE G7 15MM
Ballast type: AC

Report No: 20231111-B012	Voltage(V): 34.5900
Test No: 20231111-C012	Current(A): 0.5300
Number of Lamps: 1	Power (W): 18.3320
Lamp flux(lm): 3047.8	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2815.14, Efficiency(%): 92.37% , Luminous Efficacy(lm/W): 153.56
Central intensity(cd): 6247.069, Maximum intensity(cd): 6247.069
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=65.2
[C90/270]Total=65.2
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(%): 92.37%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.130%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6247.069	0.000	0	0.00%	0.00%
1.0	6241.188	5.975	5.975	0.20%	0.21%
2.0	6205.485	17.865	23.84	0.59%	0.85%
3.0	6145.218	29.539	53.379	0.97%	1.90%
4.0	6053.262	40.832	94.211	1.34%	3.35%
5.0	5942.278	51.604	145.815	1.69%	5.18%
6.0	5812.543	61.775	207.59	2.03%	7.37%
7.0	5661.981	71.222	278.812	2.34%	9.90%
8.0	5477.723	79.725	358.537	2.62%	12.74%
9.0	5295.402	87.310	445.847	2.86%	15.84%
10.0	5085.197	93.941	539.788	3.08%	19.17%
11.0	4883.018	99.603	639.391	3.27%	22.71%
12.0	4645.482	104.160	743.551	3.42%	26.41%
13.0	4421.715	107.605	851.156	3.53%	30.23%
14.0	4193.104	110.269	961.425	3.62%	34.15%
15.0	3955.015	111.861	1073.286	3.67%	38.13%
16.0	3720.800	112.472	1185.758	3.69%	42.12%
17.0	3465.896	111.916	1297.674	3.67%	46.10%
18.0	3237.355	110.522	1408.196	3.63%	50.02%
19.0	3000.926	108.533	1516.729	3.56%	53.88%
20.0	2766.711	105.564	1622.293	3.46%	57.63%
21.0	2526.823	101.647	1723.94	3.34%	61.24%
22.0	2306.446	97.127	1821.066	3.19%	64.69%
23.0	2100.254	92.464	1913.531	3.03%	67.97%
24.0	1883.821	87.106	2000.637	2.86%	71.07%
25.0	1708.696	81.686	2082.323	2.68%	73.97%
26.0	1484.072	75.366	2157.689	2.47%	76.65%
27.0	1320.654	68.618	2226.307	2.25%	79.08%
28.0	1185.598	63.453	2289.76	2.08%	81.34%
29.0	1067.245	58.941	2348.701	1.93%	83.43%
30.0	934.625	54.050	2402.751	1.77%	85.35%
31.0	805.921	48.437	2451.187	1.59%	87.07%
32.0	689.948	42.855	2494.042	1.41%	88.59%
33.0	588.180	37.654	2531.696	1.24%	89.93%
34.0	489.872	32.625	2564.322	1.07%	91.09%
35.0	408.627	27.904	2592.226	0.92%	92.08%
36.0	337.048	23.742	2615.968	0.78%	92.92%
37.0	276.450	20.009	2635.977	0.66%	93.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	237.363	17.150	2653.127	0.56%	94.24%
39.0	197.924	14.858	2667.985	0.49%	94.77%
40.0	149.510	12.117	2680.102	0.40%	95.20%
41.0	111.268	9.286	2689.388	0.30%	95.53%
42.0	93.603	7.443	2696.832	0.24%	95.80%
43.0	78.997	6.394	2703.225	0.21%	96.02%
44.0	69.234	5.595	2708.82	0.18%	96.22%
45.0	61.436	5.022	2713.842	0.16%	96.40%
46.0	56.018	4.593	2718.435	0.15%	96.56%
47.0	51.423	4.273	2722.708	0.14%	96.72%
48.0	47.473	3.998	2726.706	0.13%	96.86%
49.0	44.165	3.763	2730.469	0.12%	96.99%
50.0	41.259	3.562	2734.031	0.12%	97.12%
51.0	38.754	3.385	2737.416	0.11%	97.24%
52.0	36.513	3.230	2740.646	0.11%	97.35%
53.0	34.568	3.092	2743.738	0.10%	97.46%
54.0	32.755	2.967	2746.705	0.10%	97.57%
55.0	31.192	2.854	2749.56	0.09%	97.67%
56.0	29.780	2.755	2752.315	0.09%	97.77%
57.0	28.417	2.661	2754.976	0.09%	97.86%
58.0	27.310	2.577	2757.553	0.08%	97.95%
59.0	26.245	2.504	2760.056	0.08%	98.04%
60.0	25.276	2.434	2762.49	0.08%	98.13%
61.0	24.404	2.371	2764.861	0.08%	98.21%
62.0	23.615	2.314	2767.175	0.08%	98.30%
63.0	22.896	2.262	2769.437	0.07%	98.38%
64.0	22.218	2.214	2771.651	0.07%	98.46%
65.0	21.623	2.170	2773.821	0.07%	98.53%
66.0	21.014	2.127	2775.948	0.07%	98.61%
67.0	20.460	2.085	2778.033	0.07%	98.68%
68.0	19.913	2.045	2780.078	0.07%	98.75%
69.0	19.367	2.004	2782.082	0.07%	98.83%
70.0	18.820	1.961	2784.044	0.06%	98.90%
71.0	18.294	1.918	2785.962	0.06%	98.96%
72.0	17.810	1.877	2787.839	0.06%	99.03%
73.0	17.333	1.838	2789.677	0.06%	99.10%
74.0	16.821	1.796	2791.472	0.06%	99.16%
75.0	16.385	1.754	2793.227	0.06%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.907	1.714	2794.941	0.06%	99.28%
77.0	15.451	1.672	2796.613	0.05%	99.34%
78.0	15.049	1.633	2798.245	0.05%	99.40%
79.0	14.620	1.594	2799.84	0.05%	99.46%
80.0	14.233	1.556	2801.395	0.05%	99.51%
81.0	13.811	1.517	2802.912	0.05%	99.57%
82.0	13.430	1.477	2804.389	0.05%	99.62%
83.0	13.077	1.441	2805.83	0.05%	99.67%
84.0	12.780	1.409	2807.239	0.05%	99.72%
85.0	12.482	1.379	2808.617	0.05%	99.77%
86.0	12.233	1.351	2809.968	0.04%	99.82%
87.0	11.991	1.326	2811.294	0.04%	99.86%
88.0	11.770	1.302	2812.596	0.04%	99.91%
89.0	11.583	1.280	2813.876	0.04%	99.96%
90.0	11.493	1.265	2815.141	0.04%	100.00%

Zonal flux distribution table

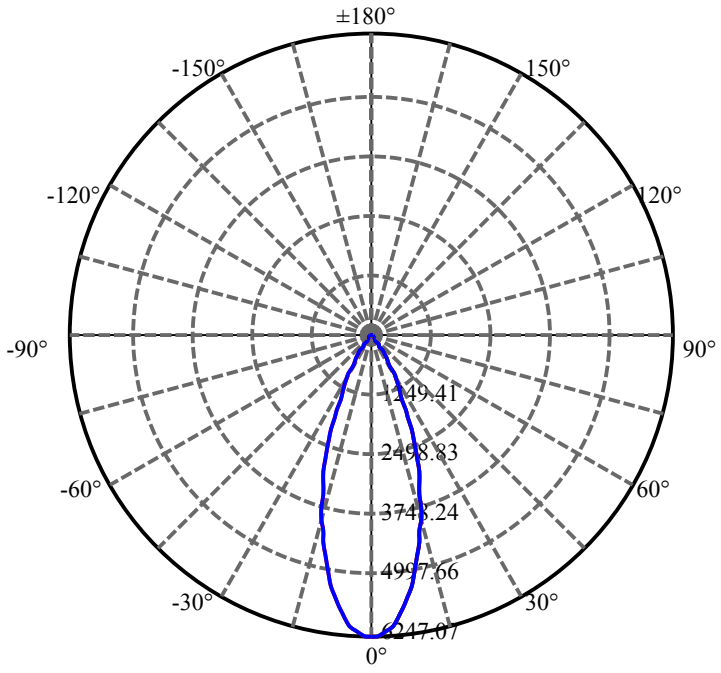
ZONAL LUMEN SUMMARY

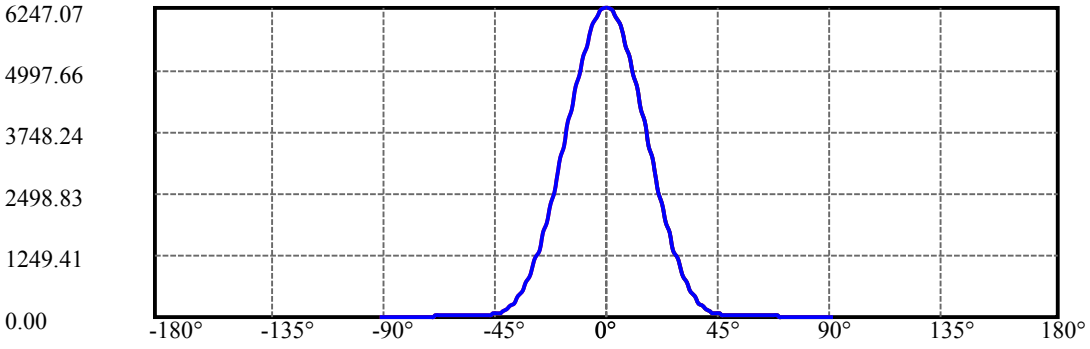
Zone	Lumens	%Lamp	%Fixt
0-30	2402.75	78.84%	85.35%
0-40	2680.10	87.94%	95.20%
0-60	2762.49	90.64%	98.13%
0-90	2813.88	92.33%	99.96%
0-120	2813.88	92.33%	99.96%
0-180	2815.14	92.37%	100.00%
60-90	51.39	1.69%	1.83%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.41	2252.11	73.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	539.79
10-20	1082.51
20-30	780.46
30-40	277.35
40-50	53.93
50-60	28.46
60-70	21.55
70-80	17.35
80-90	12.48
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):

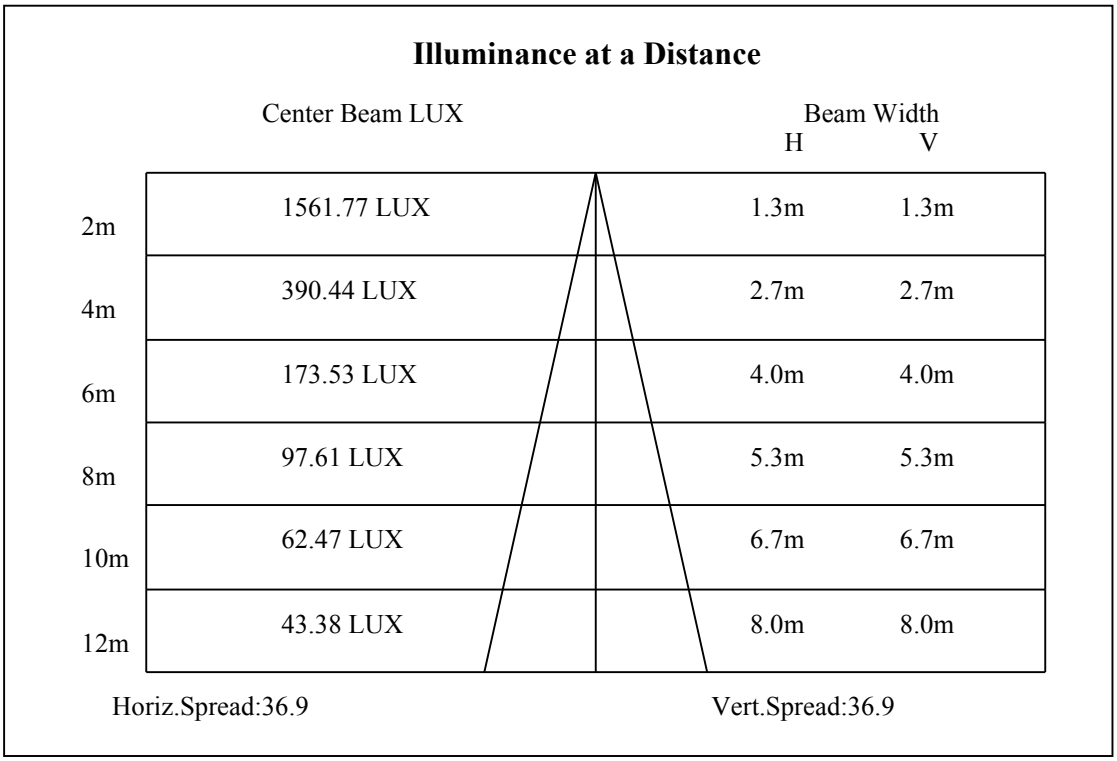
C0/C180:

C90/C270:

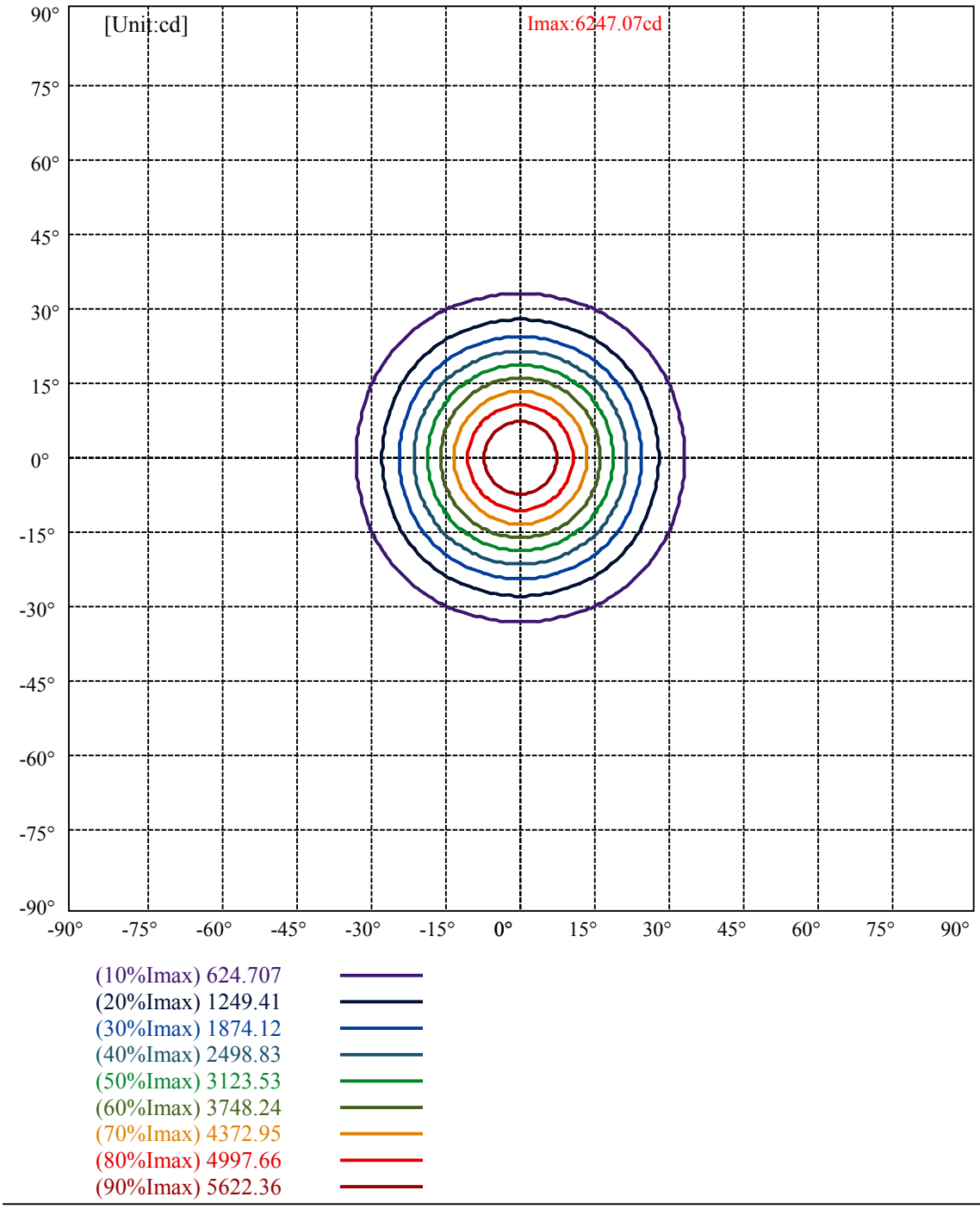
Field angle(10%Imax):C0/180Left:32.6 Right:32.6
:C90/270Left:32.6 Right:32.6

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)

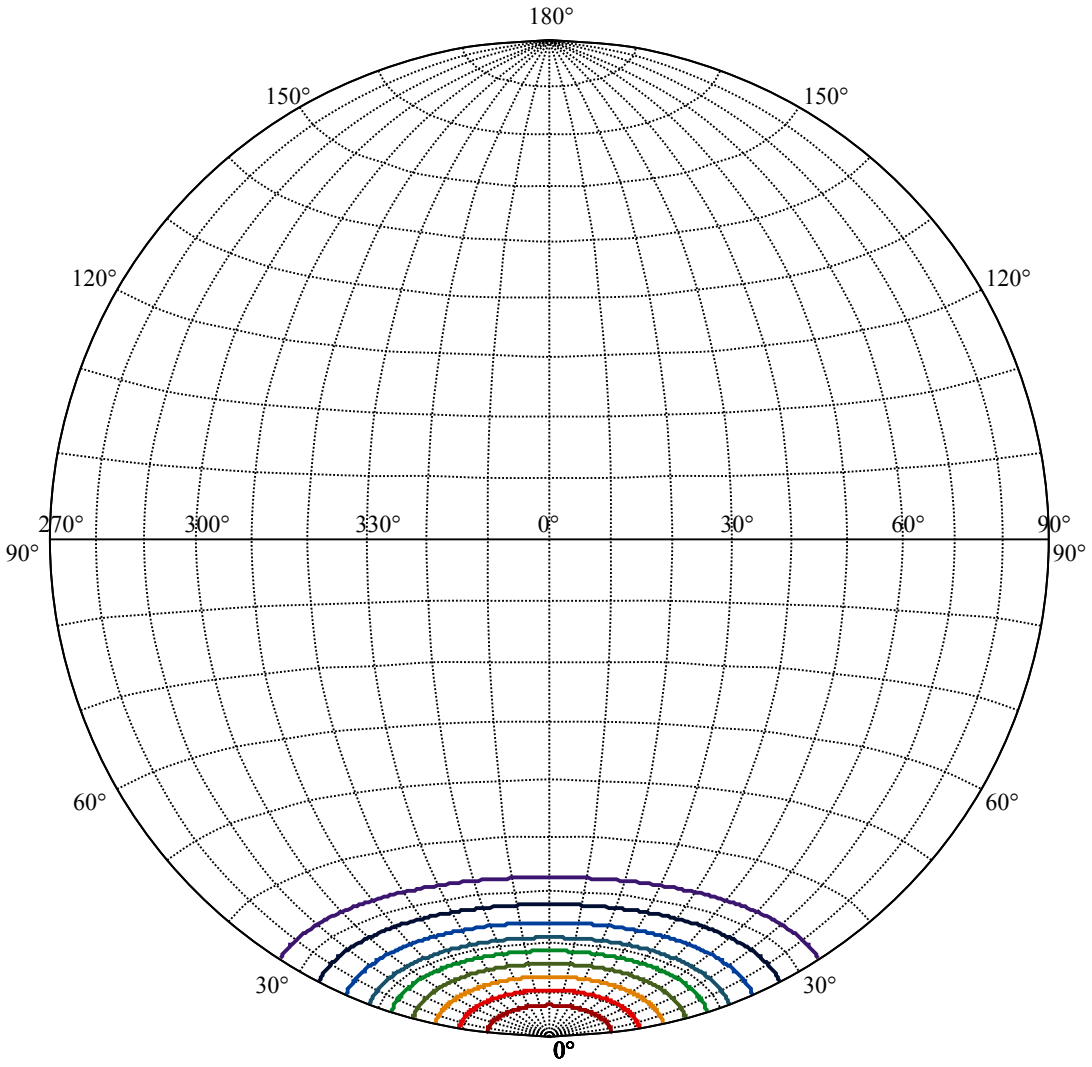


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6247.07

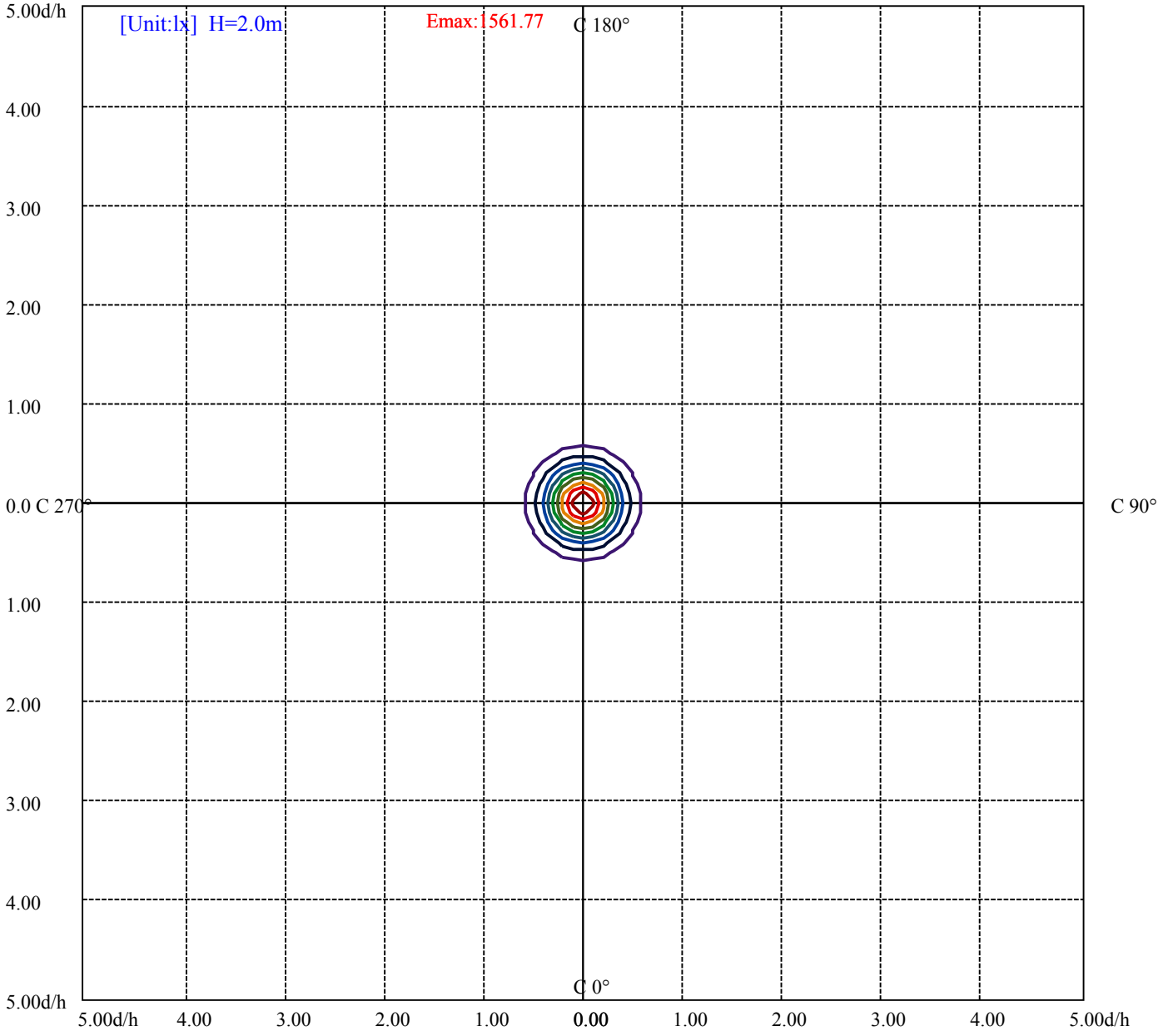
(10%Imax) 624.707
(20%Imax) 1249.41
(30%Imax) 1874.12
(40%Imax) 2498.83
(50%Imax) 3123.53
(60%Imax) 3748.24
(70%Imax) 4372.95
(80%Imax) 4997.66
(90%Imax) 5622.36

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

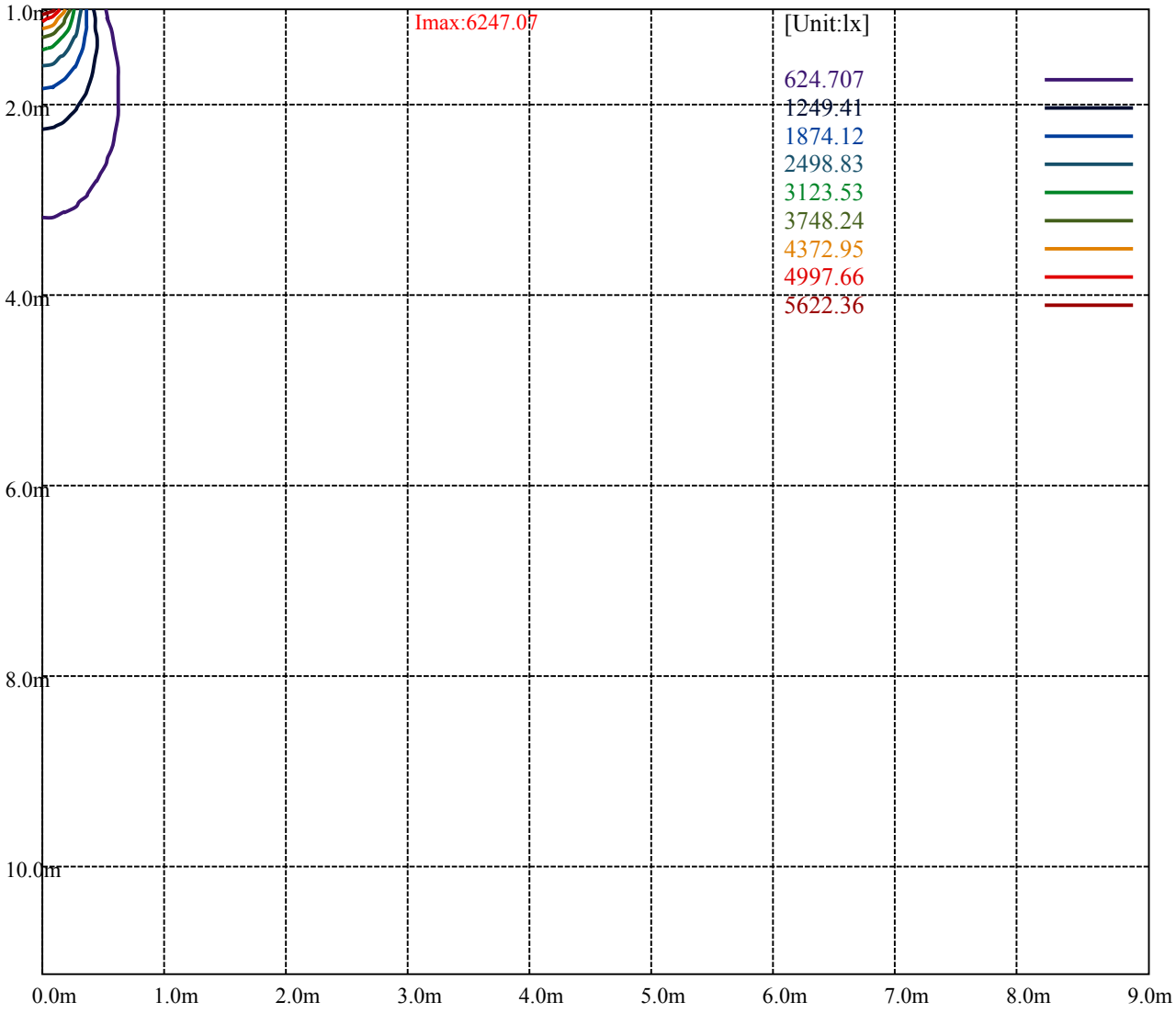
ISO illuminance diagram



(10%Emax) 156.1767
(20%Emax) 312.3525
(30%Emax) 468.53
(40%Emax) 624.7075
(50%Emax) 780.8825
(60%Emax) 937.06
(70%Emax) 1093.238
(80%Emax) 1249.412
(90%Emax) 1405.59

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/10/11
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

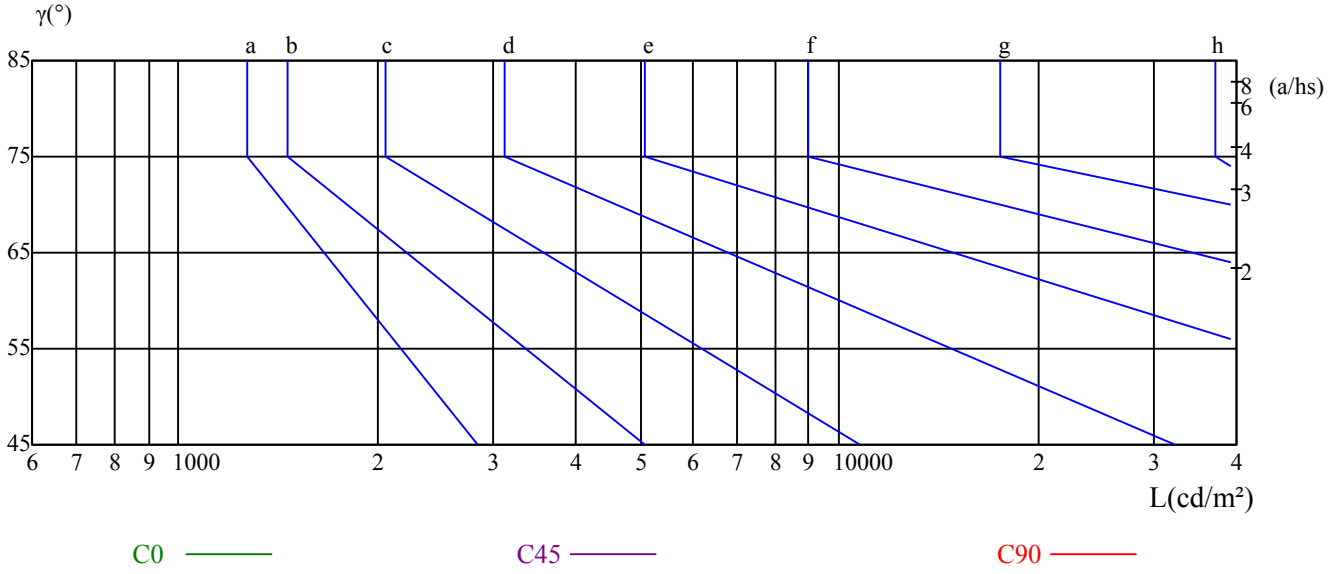
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

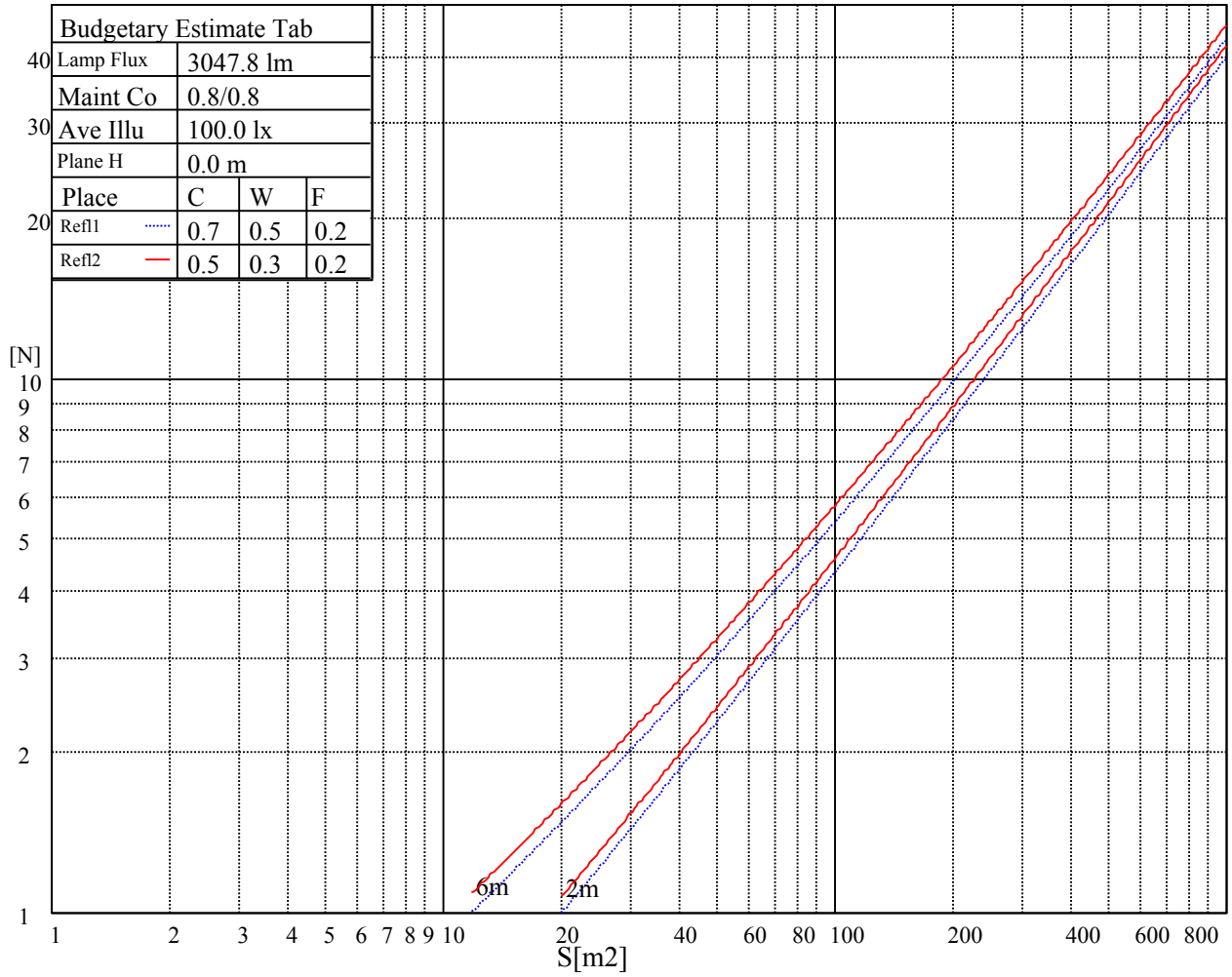
Luminance Limitting Curve



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

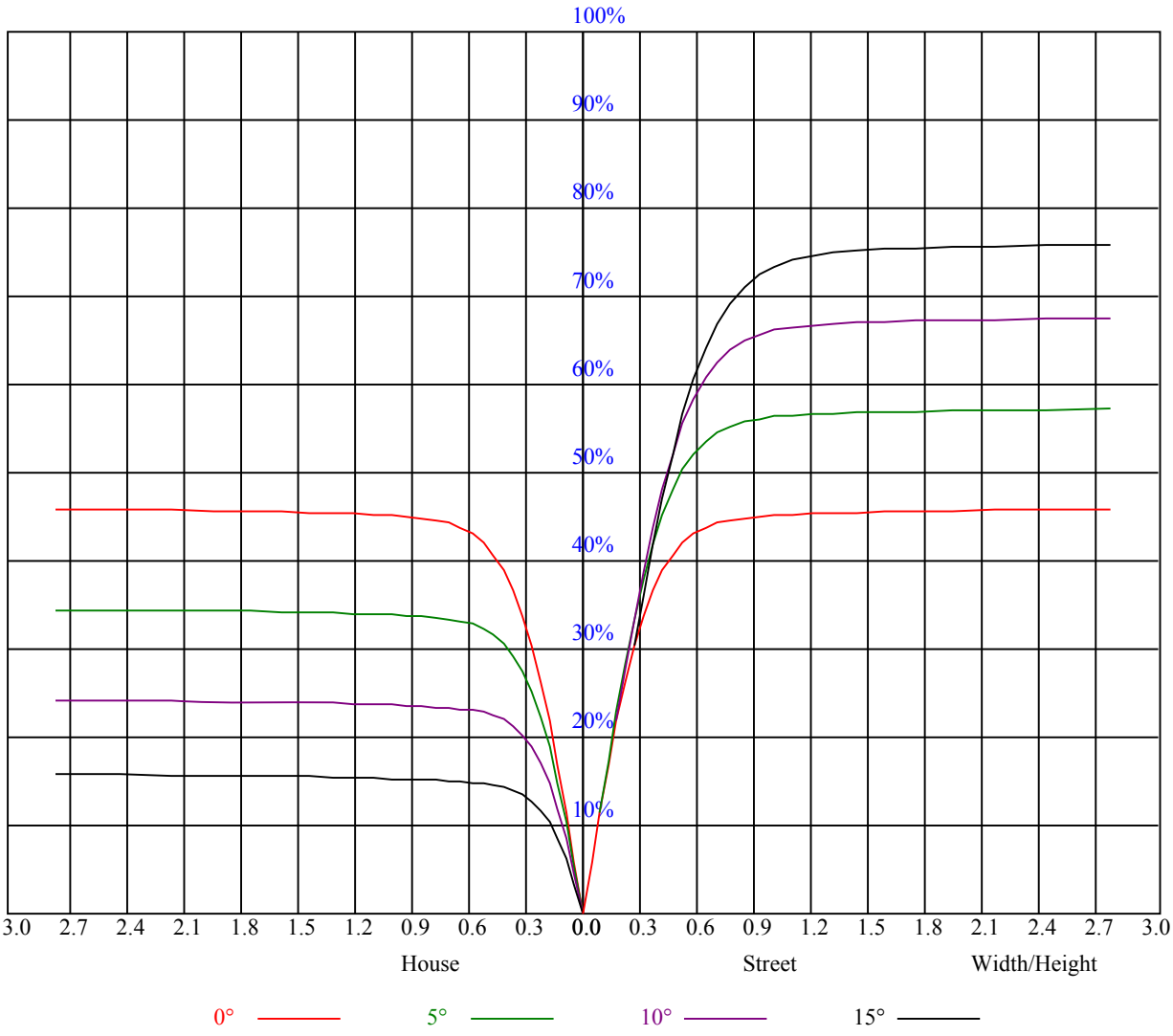


Equipment: GMS1980 Date: 2023/10/11 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.92	0.91	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.85	0.83	0.81	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	0.82	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.80	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	0.65	0.71	0.68	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
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	6210.67	6168.05	6094.98	6005.87	5842.02	5706.96	5560.27	5385.91	5148.44
45.0	6250.53	6249.42	6204.03	6127.09	6047.93	5899.59	5772.83	5636.10	5434.06
90.0	6261.05	6227.28	6167.50	6094.43	5959.37	5842.02	5683.15	5514.33	5332.77
135.0	6266.03	6266.58	6251.64	6201.82	6130.41	6028.56	5903.46	5746.26	5597.36
180.0	6210.67	6246.65	6256.62	6249.42	6199.60	6134.84	6044.61	5893.50	5770.61
225.0	6250.53	6262.15	6212.89	6159.20	6088.90	5973.21	5837.04	5694.22	5520.97
270.0	6261.05	6256.62	6258.83	6204.59	6128.20	6067.31	5947.19	5814.90	5636.10
315.0	6266.03	6252.74	6197.39	6119.34	6029.67	5885.75	5751.79	5610.64	5381.48
360.0	6210.67	6168.05	6094.98	6005.87	5842.02	5706.96	5560.27	5385.91	5148.44

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4953.59	4754.87	4487.52	4271.08	4004.28	3783.97	3550.93	3320.66	3041.13
45.0	5258.59	5067.07	4870.56	4602.65	4391.75	4188.05	3911.29	3688.76	3457.94
90.0	5152.87	4911.52	4701.18	4477.00	4266.10	3988.78	3770.69	3542.63	3269.18
135.0	5428.53	5191.06	5007.29	4749.34	4543.42	4324.22	4113.33	3819.95	3594.66
180.0	5587.95	5418.01	5239.77	5047.14	4796.94	4580.51	4375.15	4155.95	3875.86
225.0	5351.03	5120.21	4926.47	4661.33	4455.96	4251.16	3979.92	3747.44	3521.04
270.0	5447.35	5276.31	5089.76	4841.78	4615.38	4401.16	4128.83	3901.88	3617.36
315.0	5183.31	4942.52	4741.59	4513.53	4299.87	4026.97	3809.99	3589.13	3350.00
360.0	4953.59	4754.87	4487.52	4271.08	4004.28	3783.97	3550.93	3320.66	3041.13

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2823.59	2612.69	2404.56	2156.02	1967.27	1789.58	1582.01	1428.12	1071.98
45.0	3237.08	2962.52	2744.43	2477.63	2273.37	2080.74	1844.94	1670.57	1506.72
90.0	3051.09	2830.78	2562.32	2352.53	2103.99	1921.32	1744.19	1585.33	1277.01
135.0	3369.93	3150.73	2868.42	2652.54	2436.11	2230.75	1989.41	1807.30	1598.61
180.0	3658.32	3431.92	3208.29	2921.01	2698.49	2469.32	2194.77	2012.66	1776.85
225.0	3292.43	3003.49	2777.09	2558.44	2343.67	2087.38	1905.82	1732.01	1533.29
270.0	3396.50	3164.01	2939.28	2675.79	2456.04	2241.82	2044.76	1831.65	1655.07
315.0	3069.91	2851.26	2629.30	2420.61	2172.63	1981.11	1764.67	1601.93	1453.03
360.0	2823.59	2612.69	2404.56	2156.02	1967.27	1789.58	1582.01	1428.12	1071.98

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1071.98	975.94	854.44	716.77	615.86	523.15	441.94	351.72	286.84
45.0	1353.95	1174.60	1040.09	914.44	794.88	658.15	561.84	477.70	402.97
90.0	1099.77	1099.77	965.70	841.10	699.12	594.55	502.67	402.92	332.62
135.0	1442.51	1296.93	1122.02	991.38	871.27	759.45	629.92	538.59	457.77
180.0	1623.52	1463.00	1319.08	1150.80	1017.95	891.19	778.27	645.42	551.88
225.0	1384.39	1073.64	1073.64	951.47	835.62	698.45	596.77	506.76	410.78
270.0	1492.33	1304.13	1164.09	1036.22	878.46	764.99	659.81	541.91	459.99
315.0	1096.78	1096.78	998.91	874.81	734.21	629.65	534.22	453.95	366.16
360.0	1071.98	975.94	854.44	716.77	615.86	523.15	441.94	351.72	286.84

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	232.87	177.63	142.98	116.57	97.20	79.88	70.13	61.28	55.96
45.0	319.39	289.50	289.50	158.53	128.86	102.29	87.02	75.39	66.98
90.0	257.73	208.96	168.83	130.52	108.66	92.22	79.71	70.41	61.72
135.0	384.71	302.78	287.84	287.84	149.01	122.83	102.85	84.58	74.17
180.0	469.40	396.33	312.75	283.41	283.41	152.89	123.94	98.47	83.47
225.0	341.64	280.53	227.61	173.37	139.55	113.70	95.10	78.55	69.36
270.0	388.58	308.87	279.54	279.54	164.62	127.70	106.06	89.84	77.99
315.0	302.06	246.99	189.86	153.61	124.77	98.64	84.03	73.45	64.21
360.0	232.87	177.63	142.98	116.57	97.20	79.88	70.13	61.28	55.96

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	51.64	47.05	44.01	41.24	38.75	36.15	34.32	32.60	31.22
45.0	59.01	54.03	49.93	46.39	42.57	39.91	37.64	35.15	33.43
90.0	56.41	52.14	48.38	44.45	41.68	38.69	36.64	34.71	32.71
135.0	64.65	58.84	54.25	50.21	45.89	43.01	40.46	38.19	35.70
180.0	72.73	64.71	57.29	52.81	48.93	45.72	42.23	39.69	37.53
225.0	61.06	56.13	52.03	47.55	44.62	41.96	39.52	36.87	34.98
270.0	67.37	61.11	56.18	51.09	47.66	43.95	41.35	39.08	36.92
315.0	58.62	54.14	49.32	46.05	43.23	40.68	37.86	35.81	34.04
360.0	51.64	47.05	44.01	41.24	38.75	36.15	34.32	32.60	31.22

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.56	28.40	27.29	26.18	25.30	24.47	23.64	22.92	22.31
45.0	31.94	30.22	29.01	27.68	26.68	25.74	24.91	23.91	23.19
90.0	31.27	29.95	28.45	27.34	26.40	25.52	24.47	23.69	23.08
135.0	33.99	32.38	31.00	29.39	28.17	26.90	25.91	25.02	23.97
180.0	35.09	33.38	31.83	30.06	28.89	27.51	26.46	25.52	24.69
225.0	33.32	31.77	30.00	28.78	27.68	26.46	25.52	24.69	23.75
270.0	34.49	32.82	31.33	30.00	28.51	27.40	26.40	25.35	24.52
315.0	32.38	30.61	29.34	27.90	26.85	25.96	24.91	24.13	23.41
360.0	29.56	28.40	27.29	26.18	25.30	24.47	23.64	22.92	22.31

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.59	21.03	20.54	20.04	19.43	18.93	18.49	17.93	17.44
45.0	22.53	21.98	21.31	20.70	20.26	19.76	19.10	18.65	18.05
90.0	22.42	21.70	21.15	20.48	19.98	19.43	18.82	18.38	17.88
135.0	23.30	22.64	22.03	21.26	20.76	20.26	19.65	19.04	18.60
180.0	23.69	23.03	22.42	21.86	21.15	20.65	20.15	19.48	19.04
225.0	23.08	22.47	21.75	21.20	20.65	20.15	19.48	18.99	18.49
270.0	23.80	22.92	22.36	21.64	21.09	20.48	19.98	19.32	18.82
315.0	22.75	21.98	21.42	20.92	20.37	19.65	19.26	18.76	18.05
360.0	21.59	21.03	20.54	20.04	19.43	18.93	18.49	17.93	17.44

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.99	16.61	16.05	15.61	15.17	14.72	14.39	13.89	13.56
45.0	17.60	17.16	16.61	16.16	15.78	15.39	14.95	14.56	14.17
90.0	17.33	16.94	16.50	16.11	15.67	15.17	14.78	14.39	14.06
135.0	18.05	17.55	17.05	16.66	16.11	15.67	15.33	14.83	14.45
180.0	18.54	17.93	17.49	17.05	16.50	16.05	15.61	15.17	14.72
225.0	18.05	17.44	16.94	16.50	15.94	15.50	15.11	14.67	14.28
270.0	18.27	17.82	17.27	16.77	16.33	15.89	15.39	14.95	14.50
315.0	17.66	17.21	16.66	16.22	15.78	15.22	14.83	14.50	14.12
360.0	16.99	16.61	16.05	15.61	15.17	14.72	14.39	13.89	13.56

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.23	12.84	12.68	12.34	12.12	11.90	11.68	11.46	11.51
45.0	13.73	13.34	12.95	12.68	12.34	12.12	11.90	11.68	11.51
90.0	13.56	13.23	12.84	12.57	12.29	12.12	11.85	11.68	11.46
135.0	14.06	13.62	13.23	12.95	12.68	12.34	12.12	11.90	11.62
180.0	14.39	13.89	13.51	13.17	12.84	12.51	12.23	12.01	11.79
225.0	13.78	13.51	13.12	12.84	12.51	12.29	12.01	11.79	11.57
270.0	14.12	13.73	13.28	13.01	12.68	12.40	12.18	11.90	11.68
315.0	13.62	13.28	13.01	12.68	12.40	12.18	11.96	11.73	11.51
360.0	13.23	12.84	12.68	12.34	12.12	11.90	11.68	11.46	11.51

Intensity data(cd)

C/γ(°)	90.0
0.0	11.46
45.0	11.46
90.0	11.51
135.0	11.51
180.0	11.57
225.0	11.46
270.0	11.51
315.0	11.46
360.0	11.46