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NATA

Client:
LumCAT: 2-2645-L
Luminaire: 92.70.412.00
Report No: 20231011-B006
Ballast type: AC

Test No: 20231011-C006	Voltage(V): 34.740
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.530
Lamp flux(lm): 3047.8	Power (W): 18.412
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2874.97, Efficiency(%): 94.33% , Luminous Efficacy(lm/W): 156.15
Central intensity(cd): 6234.199, Maximum intensity(cd): 6234.199
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=39.8
[C90/270]Total=39.8
Field angle(10%Imax): [C0/180]Total=63.0
[C90/270]Total=63.0
Maximum s/h(1/2): C0_180=0.65 C90_270=0.65
Maximum s/h(1/4): C0_180=0.63 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.33%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.234%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6234.199	0.000	0	0.00%	0.00%
1.0	6225.273	5.962	5.962	0.20%	0.21%
2.0	6196.420	17.829	23.79	0.58%	0.83%
3.0	6150.961	29.531	53.321	0.97%	1.85%
4.0	6087.305	40.965	94.287	1.34%	3.28%
5.0	5996.525	51.984	146.271	1.71%	5.09%
6.0	5896.681	62.502	208.773	2.05%	7.26%
7.0	5779.954	72.477	281.249	2.38%	9.78%
8.0	5654.232	81.832	363.082	2.68%	12.63%
9.0	5525.604	90.606	453.688	2.97%	15.78%
10.0	5371.029	98.611	552.299	3.24%	19.21%
11.0	5219.429	105.820	658.119	3.47%	22.89%
12.0	5030.051	112.041	770.161	3.68%	26.79%
13.0	4854.787	117.308	887.469	3.85%	30.87%
14.0	4661.534	121.808	1009.277	4.00%	35.11%
15.0	4427.458	124.778	1134.054	4.09%	39.45%
16.0	4177.744	126.090	1260.145	4.14%	43.83%
17.0	3921.941	126.134	1386.279	4.14%	48.22%
18.0	3658.804	124.990	1511.269	4.10%	52.57%
19.0	3364.461	122.190	1633.459	4.01%	56.82%
20.0	3079.874	117.949	1751.408	3.87%	60.92%
21.0	2810.026	113.098	1864.506	3.71%	64.85%
22.0	2521.011	107.129	1971.636	3.51%	68.58%
23.0	2264.031	100.403	2072.039	3.29%	72.07%
24.0	2011.273	93.473	2165.512	3.07%	75.32%
25.0	1788.752	86.404	2251.917	2.83%	78.33%
26.0	1507.652	77.812	2329.729	2.55%	81.03%
27.0	1286.418	68.358	2398.086	2.24%	83.41%
28.0	1143.495	61.520	2459.606	2.02%	85.55%
29.0	975.614	55.442	2515.048	1.82%	87.48%
30.0	829.882	48.748	2563.796	1.60%	89.18%
31.0	684.544	42.144	2605.941	1.38%	90.64%
32.0	552.519	35.440	2641.381	1.16%	91.87%
33.0	424.977	28.797	2670.178	0.94%	92.88%
34.0	318.096	22.488	2692.666	0.74%	93.66%
35.0	248.372	17.592	2710.258	0.58%	94.27%
36.0	202.193	14.346	2724.604	0.47%	94.77%
37.0	150.520	11.504	2736.108	0.38%	95.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	109.953	8.694	2744.802	0.29%	95.47%
39.0	95.333	7.007	2751.809	0.23%	95.72%
40.0	84.490	6.272	2758.081	0.21%	95.93%
41.0	75.108	5.683	2763.764	0.19%	96.13%
42.0	67.794	5.192	2768.956	0.17%	96.31%
43.0	60.778	4.763	2773.719	0.16%	96.48%
44.0	55.430	4.386	2778.105	0.14%	96.63%
45.0	50.455	4.069	2782.174	0.13%	96.77%
46.0	46.670	3.798	2785.972	0.12%	96.90%
47.0	43.342	3.580	2789.552	0.12%	97.03%
48.0	40.346	3.383	2792.935	0.11%	97.15%
49.0	37.848	3.211	2796.146	0.11%	97.26%
50.0	35.468	3.057	2799.203	0.10%	97.36%
51.0	33.496	2.918	2802.121	0.10%	97.47%
52.0	31.648	2.795	2804.916	0.09%	97.56%
53.0	30.078	2.685	2807.601	0.09%	97.66%
54.0	28.715	2.591	2810.193	0.09%	97.75%
55.0	27.386	2.504	2812.697	0.08%	97.83%
56.0	26.300	2.426	2815.123	0.08%	97.92%
57.0	25.234	2.356	2817.479	0.08%	98.00%
58.0	24.349	2.293	2819.772	0.08%	98.08%
59.0	23.525	2.238	2822.01	0.07%	98.16%
60.0	22.820	2.189	2824.2	0.07%	98.23%
61.0	22.169	2.147	2826.347	0.07%	98.31%
62.0	21.498	2.104	2828.451	0.07%	98.38%
63.0	20.924	2.063	2830.514	0.07%	98.45%
64.0	20.377	2.027	2832.54	0.07%	98.52%
65.0	19.900	1.993	2834.534	0.07%	98.59%
66.0	19.360	1.959	2836.493	0.06%	98.66%
67.0	18.896	1.924	2838.416	0.06%	98.73%
68.0	18.488	1.894	2840.31	0.06%	98.79%
69.0	18.031	1.863	2842.173	0.06%	98.86%
70.0	17.637	1.832	2844.005	0.06%	98.92%
71.0	17.229	1.802	2845.807	0.06%	98.99%
72.0	16.911	1.775	2847.582	0.06%	99.05%
73.0	16.571	1.751	2849.333	0.06%	99.11%
74.0	16.232	1.725	2851.058	0.06%	99.17%
75.0	15.907	1.698	2852.756	0.06%	99.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.589	1.672	2854.428	0.05%	99.29%
77.0	15.236	1.643	2856.071	0.05%	99.34%
78.0	14.876	1.612	2857.683	0.05%	99.40%
79.0	14.558	1.581	2859.264	0.05%	99.45%
80.0	14.240	1.553	2860.817	0.05%	99.51%
81.0	13.956	1.525	2862.342	0.05%	99.56%
82.0	13.645	1.497	2863.839	0.05%	99.61%
83.0	13.361	1.468	2865.307	0.05%	99.66%
84.0	13.133	1.443	2866.75	0.05%	99.71%
85.0	12.884	1.420	2868.17	0.05%	99.76%
86.0	12.655	1.396	2869.566	0.05%	99.81%
87.0	12.475	1.375	2870.941	0.05%	99.86%
88.0	12.295	1.357	2872.298	0.04%	99.91%
89.0	12.192	1.342	2873.64	0.04%	99.95%
90.0	12.136	1.334	2874.974	0.04%	100.00%

Zonal flux distribution table

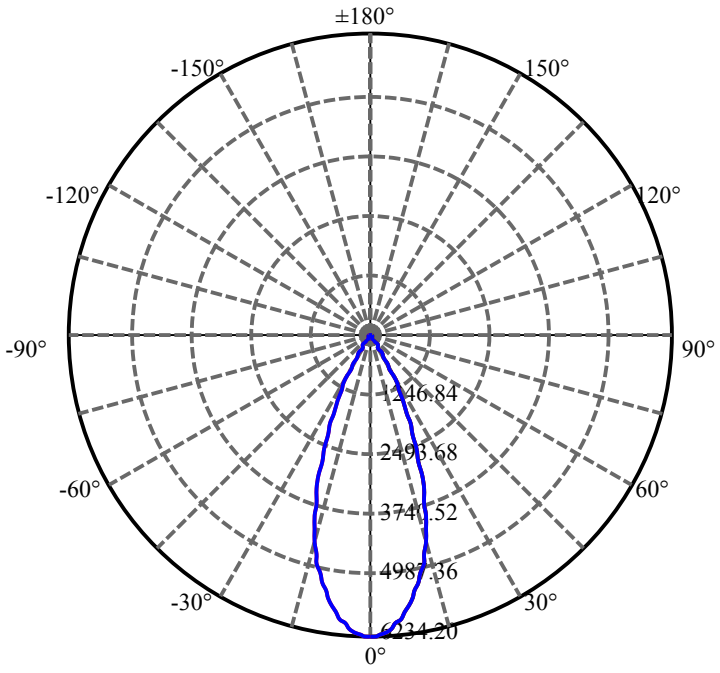
ZONAL LUMEN SUMMARY

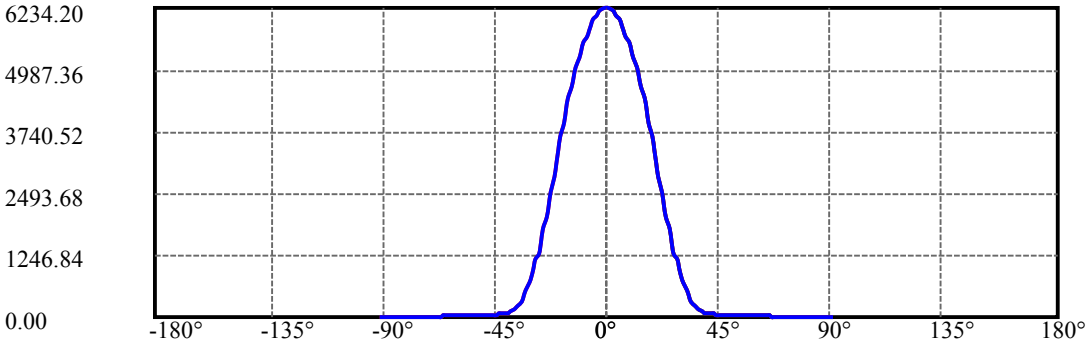
Zone	Lumens	%Lamp	%Fixt
0-30	2563.80	84.12%	89.18%
0-40	2758.08	90.49%	95.93%
0-60	2824.20	92.66%	98.23%
0-90	2873.64	94.29%	99.95%
0-120	2873.64	94.29%	99.95%
0-180	2874.97	94.33%	100.00%
60-90	49.44	1.62%	1.72%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.62	2299.98	75.46%	80.00%

ZONAL LUMEN SUMMARY

0-10	552.30
10-20	1199.11
20-30	812.39
30-40	194.28
40-50	41.12
50-60	25.00
60-70	19.81
70-80	16.81
80-90	12.82
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):

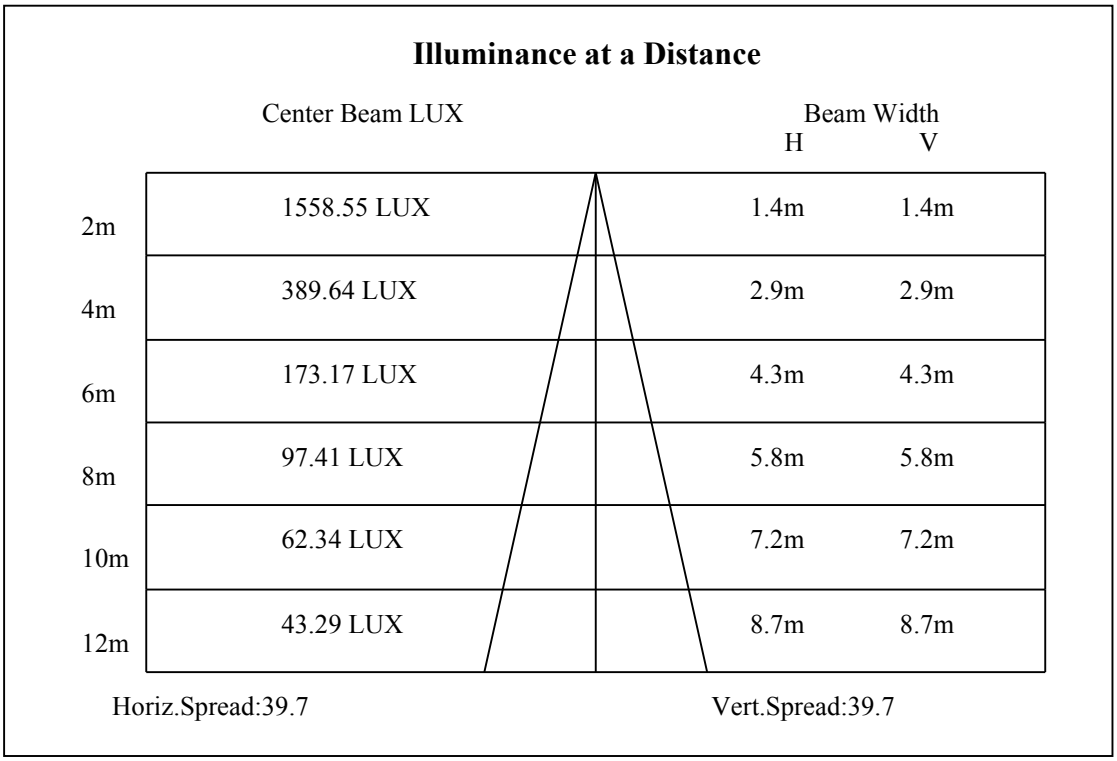
C0/C180:

C90/C270:

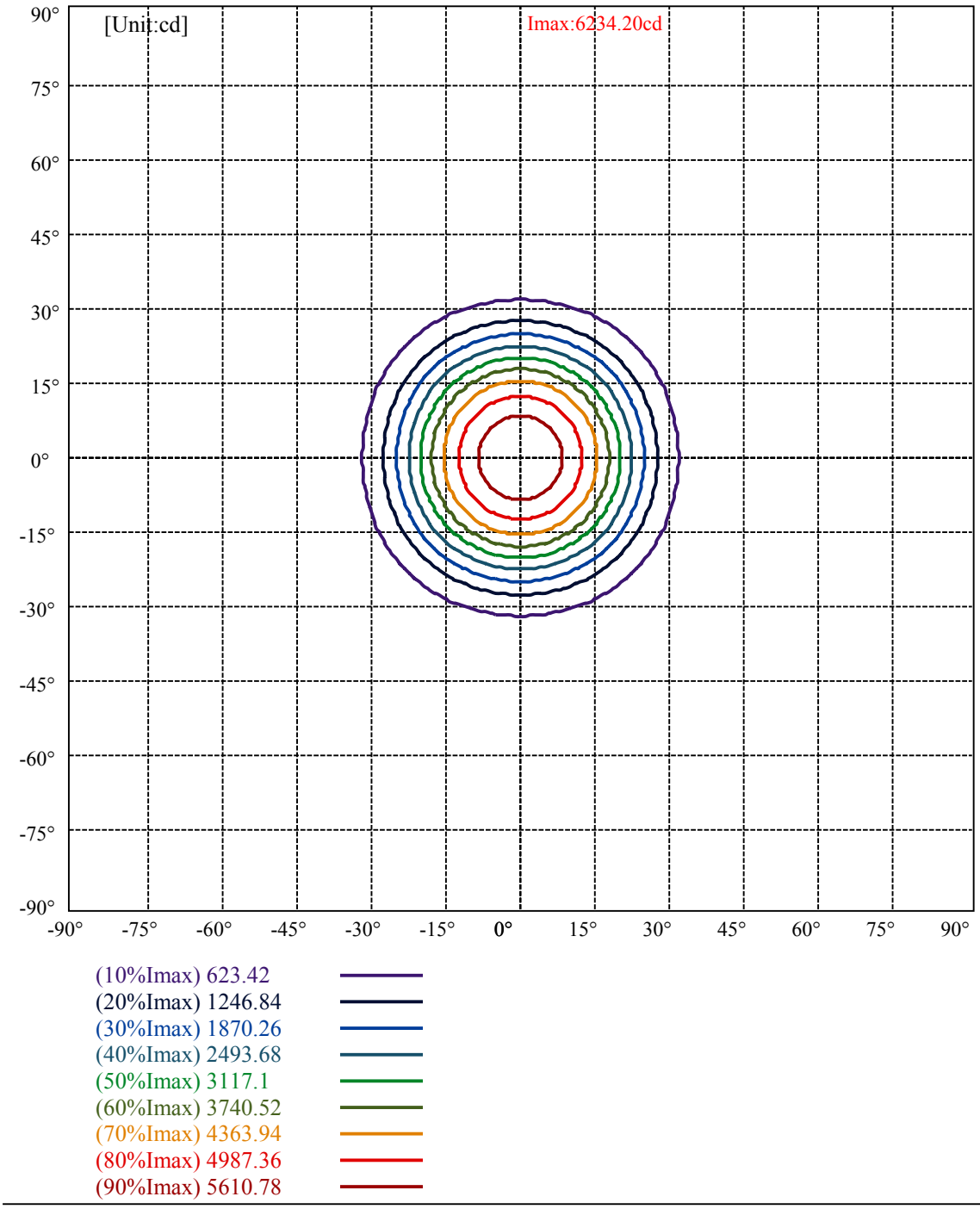
Field angle(10%Imax):C0/180Left:31.5 Right:31.5
:C90/270Left:31.5 Right:31.5

Beam Angle(50%Imax):C0/180Left:19.9 Right:19.9
:C90/270Left:19.9 Right:19.9

Lux distance Curve



ISO-Intensity(V-H)

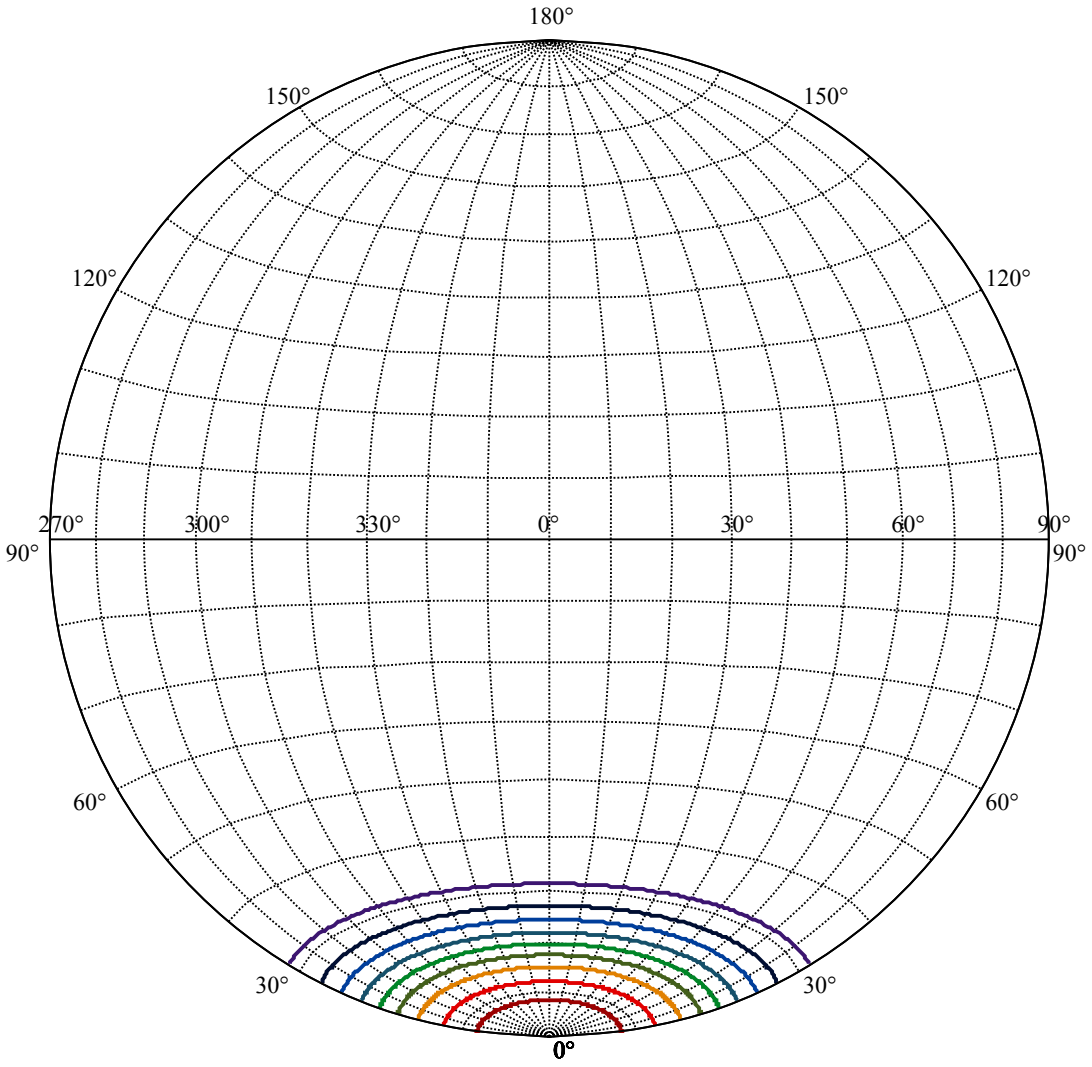


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6234.20

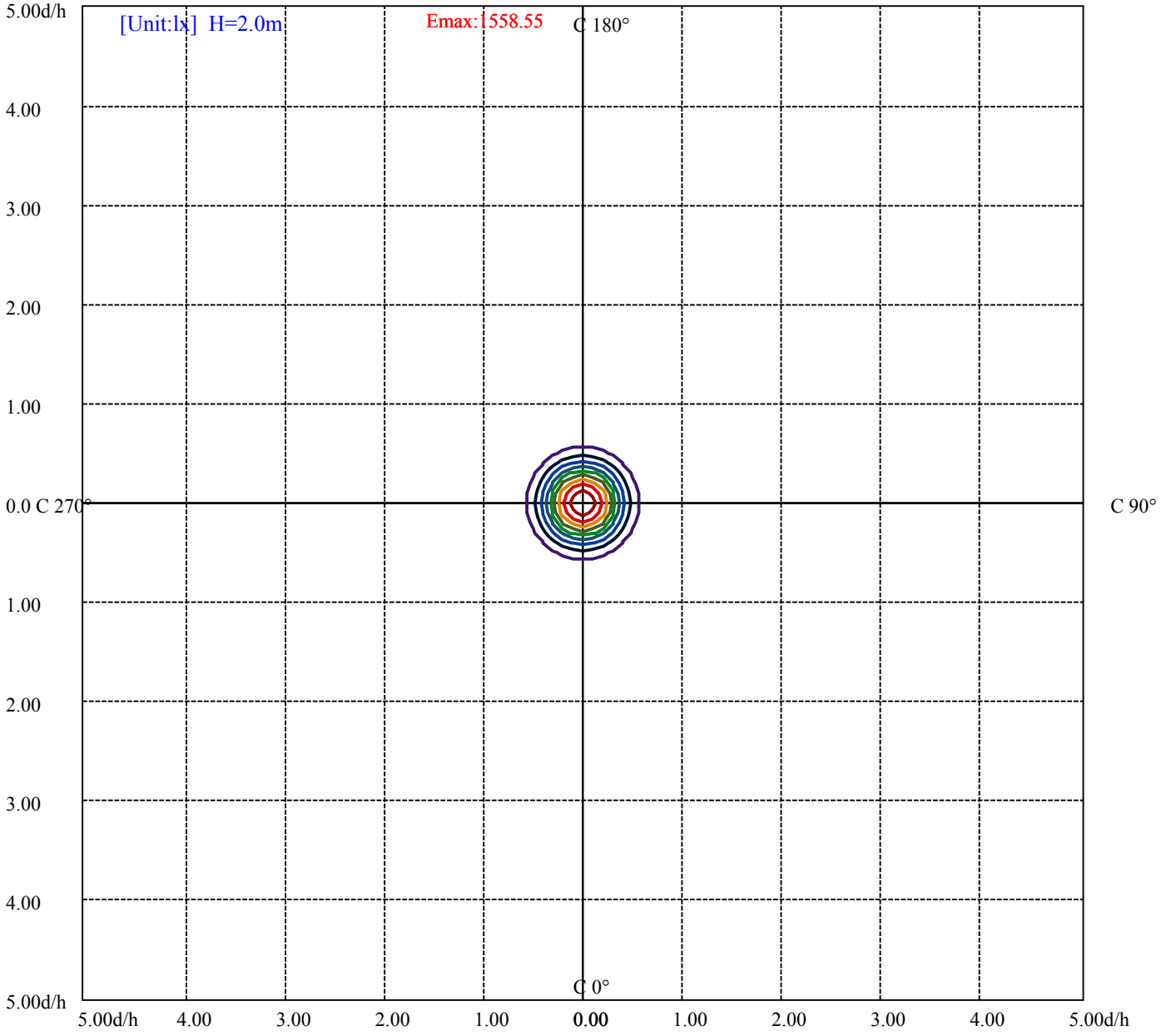
(10%Imax) 623.42
(20%Imax) 1246.84
(30%Imax) 1870.26
(40%Imax) 2493.68
(50%Imax) 3117.1
(60%Imax) 3740.52
(70%Imax) 4363.94
(80%Imax) 4987.36
(90%Imax) 5610.78

Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

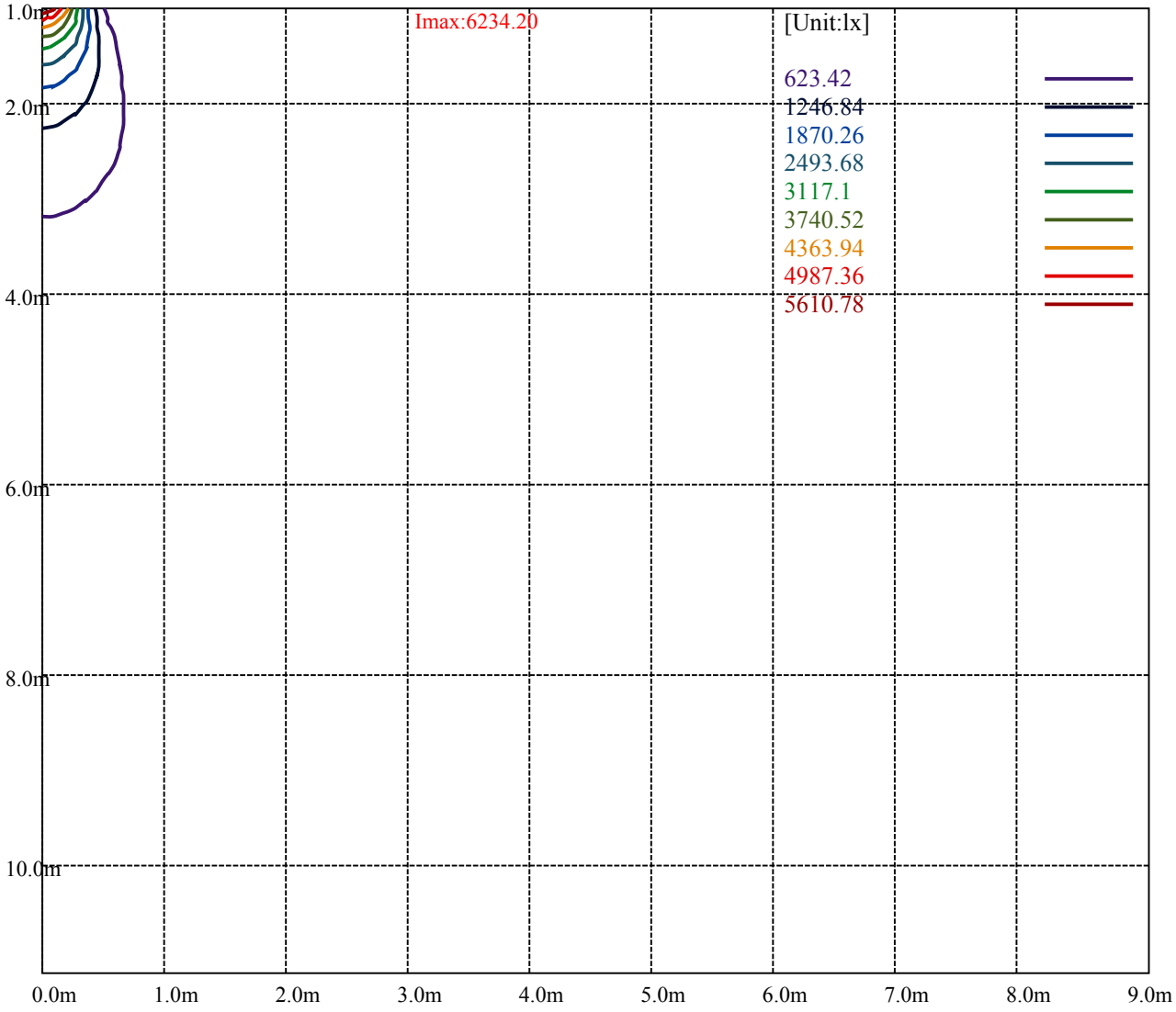
ISO illuminance diagram



(10%Emax) 155.855
(20%Emax) 311.71
(30%Emax) 467.565
(40%Emax) 623.42
(50%Emax) 779.275
(60%Emax) 935.13
(70%Emax) 1090.985
(80%Emax) 1246.84
(90%Emax) 1402.695

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

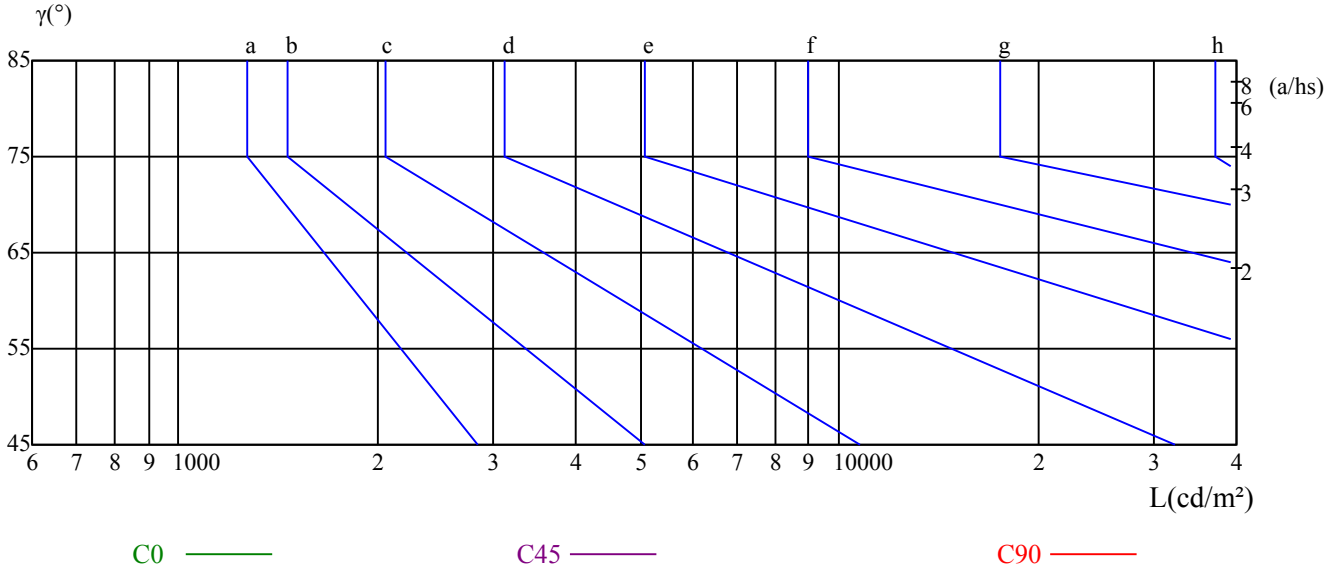
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

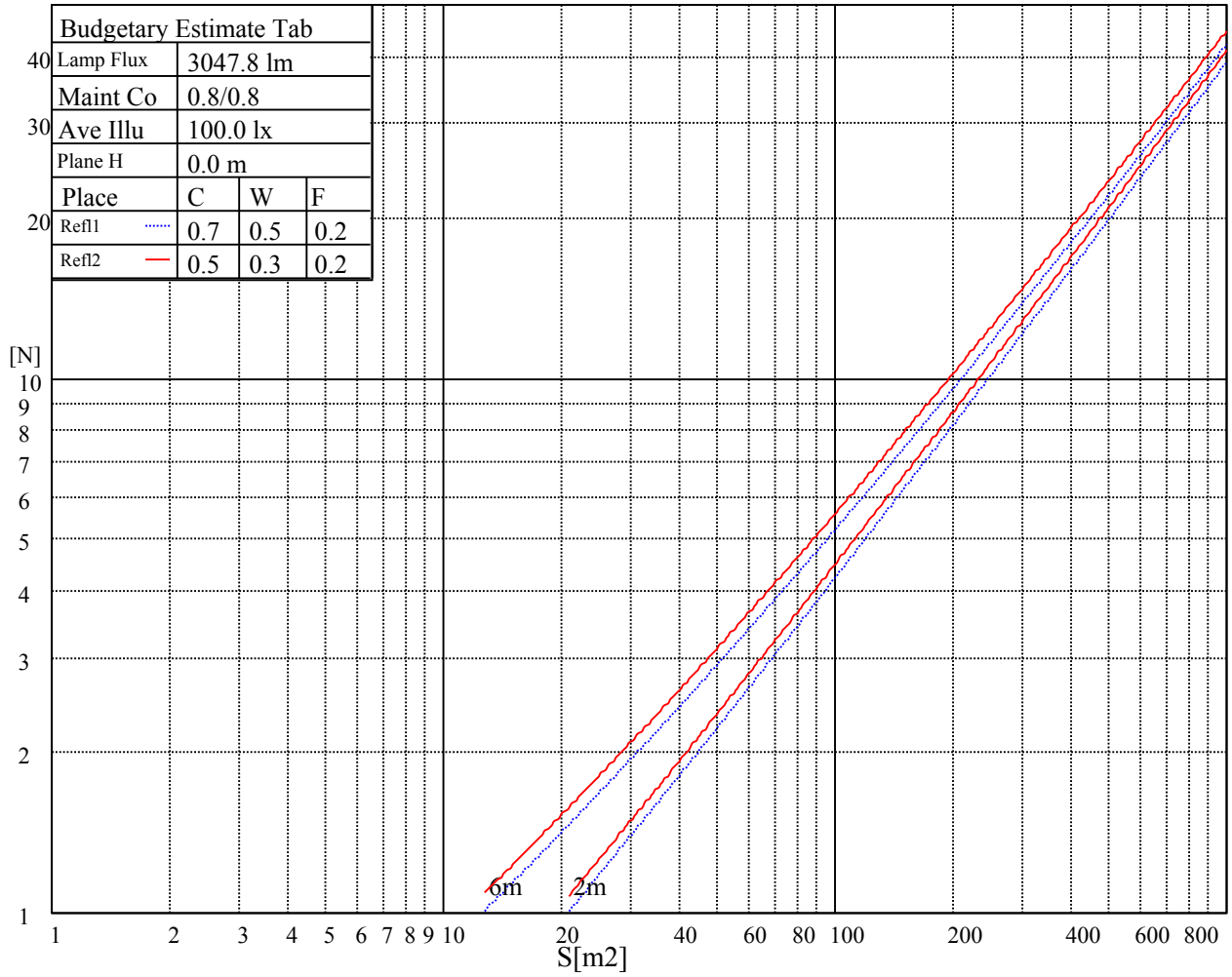


UGR Glare

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

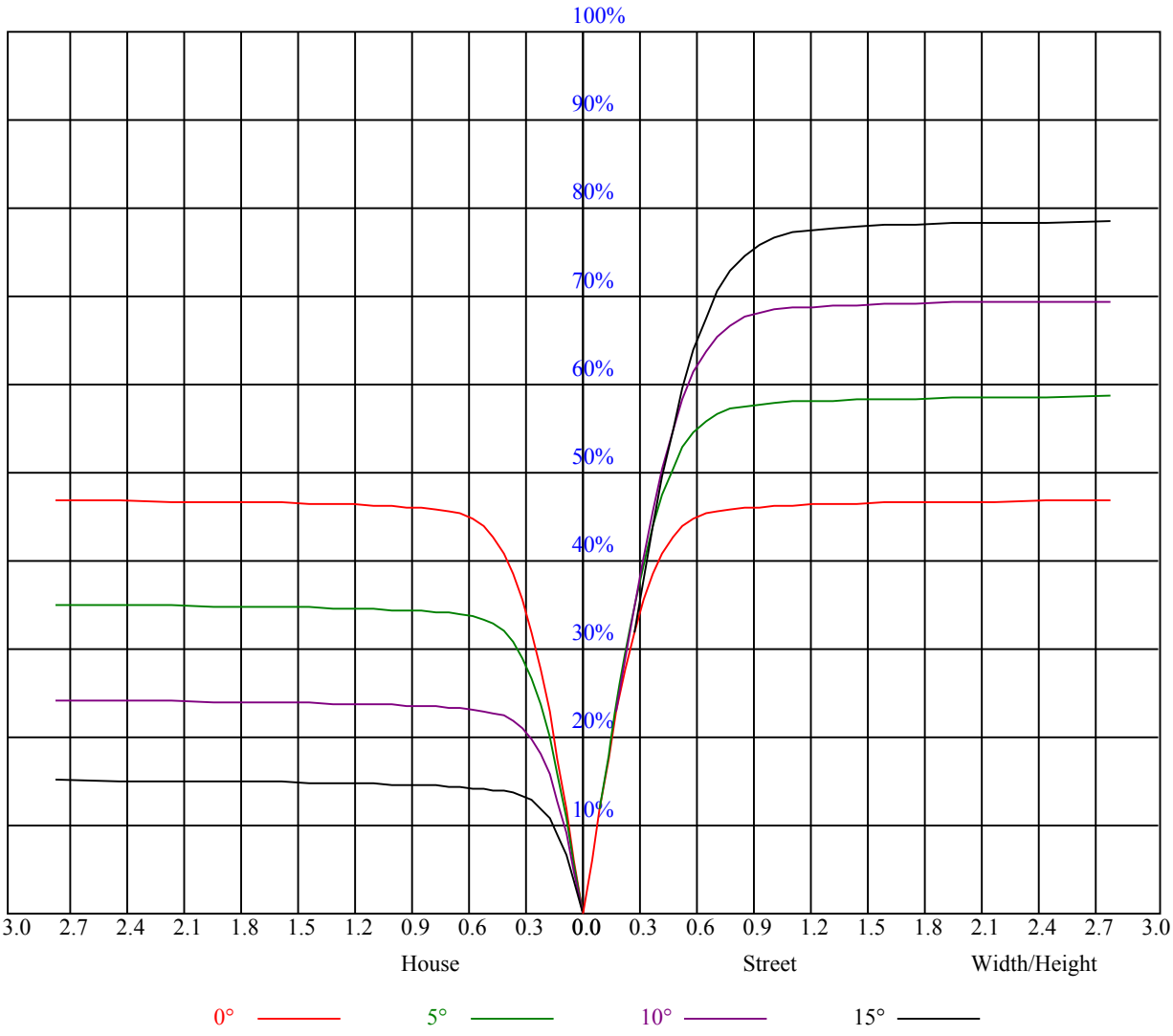


Equipment: GMS1980	Date: 2023/10/11	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.12	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	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.86	0.92	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
5	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.72	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
10	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/11	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	6204.59	6163.62	6104.95	6031.33	5931.14	5818.22	5676.51	5549.20	5417.46
45.0	6252.19	6212.89	6165.84	6110.48	6037.42	5931.69	5808.25	5689.80	5569.68
90.0	6229.49	6186.32	6129.86	6054.02	5975.42	5843.68	5744.04	5632.23	5472.81
135.0	6250.53	6254.40	6226.17	6184.10	6111.04	6028.01	5941.10	5852.54	5726.33
180.0	6204.59	6244.99	6258.83	6249.97	6226.73	6173.59	6113.25	6024.69	5912.87
225.0	6252.19	6255.51	6244.44	6200.71	6149.78	6073.95	5993.69	5850.88	5741.28
270.0	6229.49	6250.53	6245.55	6231.71	6191.85	6110.48	6040.18	5910.10	5793.86
315.0	6250.53	6233.92	6195.73	6145.36	6075.06	5992.58	5856.41	5730.20	5599.57
360.0	6204.59	6163.62	6104.95	6031.33	5931.14	5818.22	5676.51	5549.20	5417.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5271.32	5072.60	4897.13	4664.09	4480.32	4271.08	3994.32	3756.85	3514.95
45.0	5428.53	5295.68	5120.21	4967.43	4791.96	4607.63	4361.31	4142.11	3852.61
90.0	5342.18	5171.13	5025.00	4839.57	4655.24	4399.50	4172.55	3931.77	3697.62
135.0	5606.77	5480.56	5351.03	5151.21	4964.66	4770.37	4561.69	4266.66	4008.15
180.0	5811.02	5687.03	5575.77	5399.19	5256.38	5087.55	4896.03	4629.78	4395.63
225.0	5601.78	5475.02	5299.00	5147.88	4975.18	4796.94	4526.26	4287.14	3956.68
270.0	5677.07	5511.56	5357.67	5158.40	4992.89	4817.98	4629.22	4358.54	4136.57
315.0	5466.17	5274.64	5129.62	4912.63	4721.66	4541.21	4278.28	4049.12	3813.31
360.0	5271.32	5072.60	4897.13	4664.09	4480.32	4271.08	3994.32	3756.85	3514.95

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3207.19	2950.90	2703.47	2469.32	2195.32	1984.43	1761.35	1545.47	1088.58
45.0	3616.80	3374.91	3070.46	2820.82	2578.92	2295.51	2075.76	1849.92	1620.75
90.0	3384.87	3124.71	2854.03	2603.83	2301.60	2066.90	1789.58	1564.29	1083.71
135.0	3748.55	3404.80	3133.01	2857.91	2533.53	2281.68	1999.93	1787.37	1575.36
180.0	4162.04	3800.02	3514.95	3232.10	2851.26	2555.68	2301.60	2020.41	1810.62
225.0	3684.34	3394.84	3030.06	2748.31	2482.06	2236.84	1955.09	1754.16	1561.53
270.0	3905.20	3636.18	3373.80	3046.11	2769.34	2506.41	2234.07	2019.30	1806.19
315.0	3561.45	3229.33	2959.20	2701.81	2456.04	2184.81	1972.80	1769.10	1514.47
360.0	3207.19	2950.90	2703.47	2469.32	2195.32	1984.43	1761.35	1545.47	1088.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1088.58	924.13	745.83	616.92	468.18	360.91	265.37	192.19	142.42
45.0	1396.02	1146.37	970.35	819.23	649.85	528.63	414.04	291.71	291.71
90.0	1083.71	961.66	815.14	649.35	522.04	405.08	303.01	203.76	159.25
135.0	1374.43	1154.12	1006.33	866.84	732.33	571.25	450.58	338.21	287.29
180.0	1605.25	1415.95	1195.64	1043.97	902.82	768.86	602.80	481.02	368.10
225.0	1087.98	1087.98	1012.20	875.53	709.91	582.38	431.87	321.72	228.17
270.0	1564.29	1366.68	1130.87	979.76	834.73	697.46	538.59	423.46	316.62
315.0	1091.07	1091.07	928.56	787.46	656.49	505.60	393.56	292.71	193.41
360.0	1088.58	924.13	745.83	616.92	468.18	360.91	265.37	192.19	142.42

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.39	103.46	90.12	78.60	70.69	63.82	57.90	51.92	47.88
45.0	198.72	127.70	109.66	96.59	84.19	75.72	68.25	61.89	55.63
90.0	135.17	117.40	101.57	91.44	81.98	72.18	65.48	58.62	53.91
135.0	287.29	135.28	113.03	100.91	90.95	79.88	72.35	65.59	60.11
180.0	288.39	288.39	136.61	112.15	98.97	86.91	77.99	70.08	63.60
225.0	151.00	123.44	106.44	93.55	83.69	73.34	66.15	59.78	54.52
270.0	291.71	187.65	118.51	101.41	86.91	78.38	70.52	62.16	56.41
315.0	144.86	120.84	103.68	88.01	78.55	70.63	63.71	56.18	51.37
360.0	120.39	103.46	90.12	78.60	70.69	63.82	57.90	51.92	47.88

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	43.67	40.80	38.30	35.65	33.77	32.05	30.28	29.01	27.84
45.0	51.31	47.60	44.34	40.68	38.25	35.65	33.77	32.11	30.28
90.0	49.87	46.33	42.57	39.97	37.59	35.48	33.16	31.55	30.06
135.0	54.30	50.26	46.77	43.73	40.30	38.03	35.92	33.54	31.94
180.0	56.85	52.42	48.71	45.39	42.40	39.19	36.98	34.43	32.60
225.0	49.32	45.83	42.01	39.30	37.03	34.43	32.60	30.89	29.12
270.0	51.87	46.94	43.78	40.85	38.42	35.65	33.71	31.99	30.39
315.0	46.44	43.18	40.24	37.20	35.04	33.27	31.55	29.67	28.40
360.0	43.67	40.80	38.30	35.65	33.77	32.05	30.28	29.01	27.84

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.79	25.63	24.85	24.08	23.36	22.58	22.09	21.48	20.87
45.0	29.01	27.84	26.74	25.63	24.74	24.02	23.30	22.53	21.86
90.0	28.67	27.18	26.13	24.96	24.13	23.36	22.53	21.92	21.42
135.0	30.56	28.78	27.57	26.29	25.35	24.47	23.69	23.03	22.20
180.0	31.00	29.28	27.95	26.90	25.63	24.80	23.91	23.25	22.42
225.0	27.79	26.68	25.68	24.47	23.69	22.97	22.31	21.59	20.98
270.0	28.67	27.51	26.46	25.24	24.41	23.41	22.75	22.09	21.42
315.0	27.23	26.18	25.02	24.30	23.47	22.58	21.98	21.48	20.81
360.0	26.79	25.63	24.85	24.08	23.36	22.58	22.09	21.48	20.87

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.43	19.82	19.32	18.88	18.49	17.99	17.60	17.27	16.94
45.0	21.31	20.70	20.20	19.60	19.10	18.76	18.27	17.82	17.44
90.0	20.76	20.26	19.82	19.32	18.76	18.38	17.93	17.55	17.10
135.0	21.59	21.09	20.59	19.93	19.48	19.10	18.54	18.10	17.60
180.0	21.75	21.15	20.65	19.98	19.54	18.99	18.54	18.10	17.60
225.0	20.43	19.82	19.43	18.82	18.43	18.10	17.66	17.21	16.94
270.0	20.81	20.31	19.93	19.43	18.88	18.43	18.10	17.71	17.27
315.0	20.31	19.87	19.26	18.93	18.49	18.16	17.60	17.33	16.94
360.0	20.43	19.82	19.32	18.88	18.49	17.99	17.60	17.27	16.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.55	16.27	16.00	15.72	15.33	15.00	14.67	14.34	14.00
45.0	17.10	16.77	16.38	16.00	15.78	15.28	14.89	14.67	14.23
90.0	16.77	16.44	16.00	15.72	15.33	14.83	14.50	14.23	13.89
135.0	17.27	16.88	16.50	16.16	15.83	15.44	15.00	14.67	14.34
180.0	17.27	16.94	16.66	16.27	15.94	15.67	15.33	14.95	14.67
225.0	16.66	16.33	16.00	15.72	15.44	15.11	14.78	14.50	14.17
270.0	16.94	16.66	16.27	15.94	15.67	15.39	15.11	14.67	14.45
315.0	16.72	16.27	16.05	15.72	15.39	15.17	14.72	14.45	14.17
360.0	16.55	16.27	16.00	15.72	15.33	15.00	14.67	14.34	14.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.78	13.45	13.17	13.01	12.79	12.51	12.34	12.07	12.12
45.0	13.95	13.67	13.34	13.12	12.90	12.68	12.45	12.40	12.12
90.0	13.67	13.34	13.12	12.90	12.73	12.51	12.40	12.23	12.40
135.0	13.95	13.73	13.34	13.12	12.90	12.68	12.51	12.29	12.07
180.0	14.39	13.95	13.67	13.34	13.06	12.84	12.62	12.40	12.23
225.0	13.89	13.62	13.34	13.12	12.84	12.62	12.45	12.29	12.18
270.0	14.17	13.78	13.56	13.34	13.01	12.79	12.57	12.40	12.23
315.0	13.84	13.62	13.34	13.12	12.84	12.62	12.45	12.29	12.18
360.0	13.78	13.45	13.17	13.01	12.79	12.51	12.34	12.07	12.12

Intensity data(cd)

C/γ(°)	90.0
0.0	12.23
45.0	12.34
90.0	12.29
135.0	12.34
180.0	11.96
225.0	11.96
270.0	12.01
315.0	11.96
360.0	12.23