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NT

Client:
LumCAT: 2-2643-L
Luminaire: 92.70.412.00
Report No: 20231031-B022
Ballast type: AC

Test No: 20231031-C022	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): 3070.89, Efficiency(%): 94.18% , Luminous Efficacy(lm/W): 153.82
Central intensity(cd): 16434.480, Maximum intensity(cd): 16434.480
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.8
[C90/270]Total=17.8
Field angle(10%Imax): [C0/180]Total=46.0
[C90/270]Total=46.0
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.33 C90_270=0.33
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.18%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.849%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	16434.484	0.000	0	0.00%	0.00%
1.0	16276.726	15.652	15.652	0.48%	0.51%
2.0	15848.428	46.109	61.761	1.41%	2.01%
3.0	15131.598	74.094	135.855	2.27%	4.42%
4.0	13790.242	96.811	232.665	2.97%	7.58%
5.0	12453.661	112.900	345.565	3.46%	11.25%
6.0	11666.602	126.758	472.324	3.89%	15.38%
7.0	10542.923	137.854	610.178	4.23%	19.87%
8.0	9256.921	141.704	751.882	4.35%	24.48%
9.0	8067.303	140.403	892.285	4.31%	29.06%
10.0	6933.938	135.756	1028.041	4.16%	33.48%
11.0	5964.143	128.878	1156.919	3.95%	37.67%
12.0	5212.856	122.181	1279.1	3.75%	41.65%
13.0	4576.566	116.176	1395.275	3.56%	45.44%
14.0	4034.309	110.218	1505.494	3.38%	49.02%
15.0	3627.391	105.183	1610.677	3.23%	52.45%
16.0	3245.728	100.710	1711.387	3.09%	55.73%
17.0	2939.276	96.317	1807.705	2.95%	58.87%
18.0	2699.733	92.975	1900.68	2.85%	61.89%
19.0	2557.821	91.471	1992.15	2.81%	64.87%
20.0	2265.277	88.276	2080.426	2.71%	67.75%
21.0	1982.558	81.567	2161.993	2.50%	70.40%
22.0	1801.829	76.049	2238.042	2.33%	72.88%
23.0	1636.668	72.149	2310.191	2.21%	75.23%
24.0	1487.628	68.308	2378.5	2.09%	77.45%
25.0	1335.198	64.185	2442.684	1.97%	79.54%
26.0	1203.581	59.928	2502.613	1.84%	81.49%
27.0	1113.500	56.688	2559.3	1.74%	83.34%
28.0	1001.347	53.543	2612.844	1.64%	85.08%
29.0	882.945	49.298	2662.142	1.51%	86.69%
30.0	759.687	44.351	2706.493	1.36%	88.13%
31.0	636.760	38.861	2745.354	1.19%	89.40%
32.0	521.403	33.180	2778.534	1.02%	90.48%
33.0	415.782	27.610	2806.144	0.85%	91.38%
34.0	321.681	22.318	2828.462	0.68%	92.11%
35.0	264.369	18.201	2846.662	0.56%	92.70%
36.0	227.856	15.673	2862.335	0.48%	93.21%
37.0	196.810	13.850	2876.185	0.42%	93.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	153.316	11.687	2887.872	0.36%	94.04%
39.0	137.367	9.922	2897.794	0.30%	94.36%
40.0	123.404	9.095	2906.888	0.28%	94.66%
41.0	110.541	8.331	2915.219	0.26%	94.93%
42.0	100.467	7.666	2922.885	0.24%	95.18%
43.0	91.257	7.102	2929.987	0.22%	95.41%
44.0	83.120	6.581	2936.569	0.20%	95.63%
45.0	76.042	6.117	2942.686	0.19%	95.83%
46.0	70.251	5.721	2948.407	0.18%	96.01%
47.0	64.598	5.363	2953.77	0.16%	96.19%
48.0	60.086	5.040	2958.81	0.15%	96.35%
49.0	55.942	4.765	2963.575	0.15%	96.51%
50.0	52.365	4.516	2968.091	0.14%	96.65%
51.0	49.265	4.300	2972.391	0.13%	96.79%
52.0	46.525	4.110	2976.501	0.13%	96.93%
53.0	43.972	3.937	2980.438	0.12%	97.05%
54.0	41.882	3.784	2984.222	0.12%	97.18%
55.0	40.055	3.658	2987.879	0.11%	97.30%
56.0	38.492	3.549	2991.428	0.11%	97.41%
57.0	37.011	3.452	2994.881	0.11%	97.52%
58.0	35.938	3.373	2998.254	0.10%	97.63%
59.0	35.032	3.318	3001.572	0.10%	97.74%
60.0	34.084	3.265	3004.837	0.10%	97.85%
61.0	33.261	3.214	3008.051	0.10%	97.95%
62.0	32.541	3.171	3011.222	0.10%	98.06%
63.0	31.600	3.120	3014.341	0.10%	98.16%
64.0	30.507	3.048	3017.389	0.09%	98.26%
65.0	29.420	2.966	3020.355	0.09%	98.35%
66.0	28.210	2.875	3023.23	0.09%	98.45%
67.0	26.943	2.773	3026.003	0.09%	98.54%
68.0	25.816	2.673	3028.676	0.08%	98.63%
69.0	24.743	2.579	3031.255	0.08%	98.71%
70.0	23.698	2.488	3033.743	0.08%	98.79%
71.0	22.778	2.402	3036.145	0.07%	98.87%
72.0	21.989	2.328	3038.473	0.07%	98.94%
73.0	21.249	2.261	3040.734	0.07%	99.02%
74.0	20.543	2.197	3042.931	0.07%	99.09%
75.0	19.941	2.139	3045.07	0.07%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.360	2.086	3047.156	0.06%	99.23%
77.0	18.710	2.030	3049.186	0.06%	99.29%
78.0	18.101	1.970	3051.156	0.06%	99.36%
79.0	17.547	1.915	3053.072	0.06%	99.42%
80.0	16.994	1.862	3054.934	0.06%	99.48%
81.0	16.419	1.807	3056.741	0.06%	99.54%
82.0	15.893	1.752	3058.493	0.05%	99.60%
83.0	15.361	1.699	3060.192	0.05%	99.65%
84.0	14.890	1.648	3061.84	0.05%	99.71%
85.0	14.461	1.602	3063.442	0.05%	99.76%
86.0	14.094	1.561	3065.003	0.05%	99.81%
87.0	13.714	1.522	3066.525	0.05%	99.86%
88.0	13.382	1.484	3068.009	0.05%	99.91%
89.0	13.084	1.451	3069.46	0.04%	99.95%
90.0	12.987	1.429	3070.889	0.04%	100.00%

Zonal flux distribution table

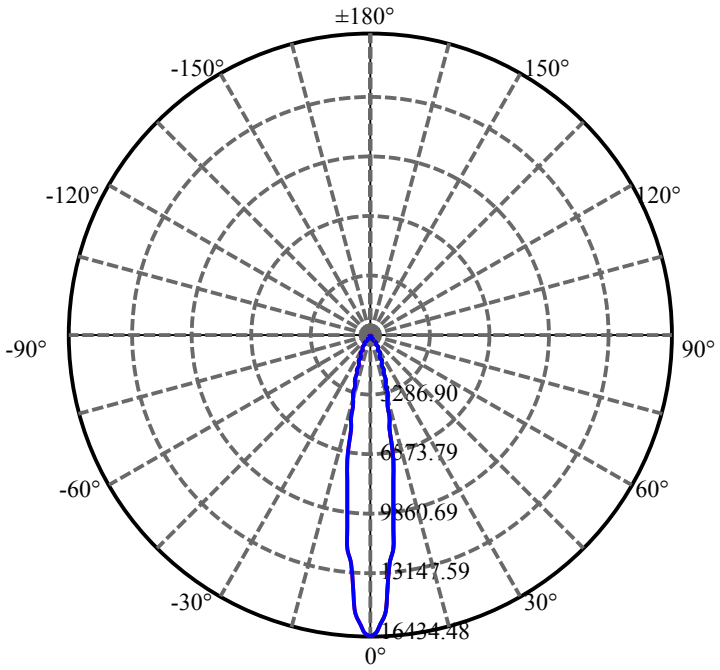
ZONAL LUMEN SUMMARY

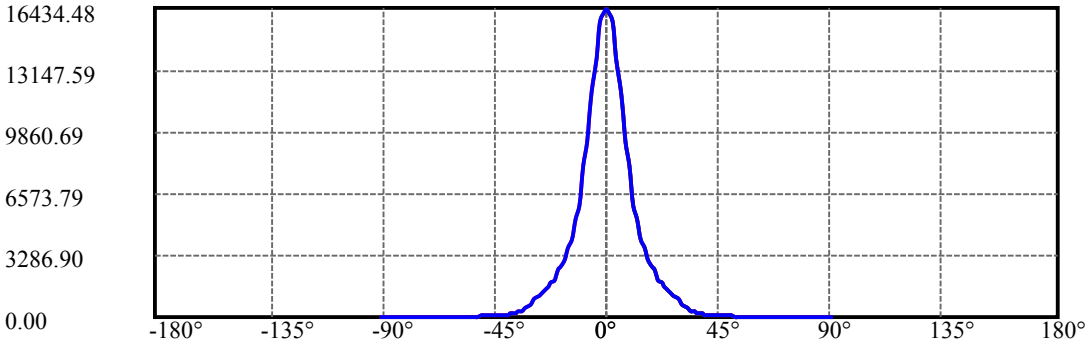
Zone	Lumens	%Lamp	%Fixt
0-30	2706.49	83.01%	88.13%
0-40	2906.89	89.15%	94.66%
0-60	3004.84	92.16%	97.85%
0-90	3069.46	94.14%	99.95%
0-120	3069.46	94.14%	99.95%
0-180	3070.89	94.18%	100.00%
60-90	64.62	1.98%	2.10%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.23	2456.71	75.35%	80.00%

ZONAL LUMEN SUMMARY

0-10	1028.04
10-20	1052.39
20-30	626.07
30-40	200.40
40-50	61.20
50-60	36.75
60-70	28.91
70-80	21.19
80-90	14.53
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):

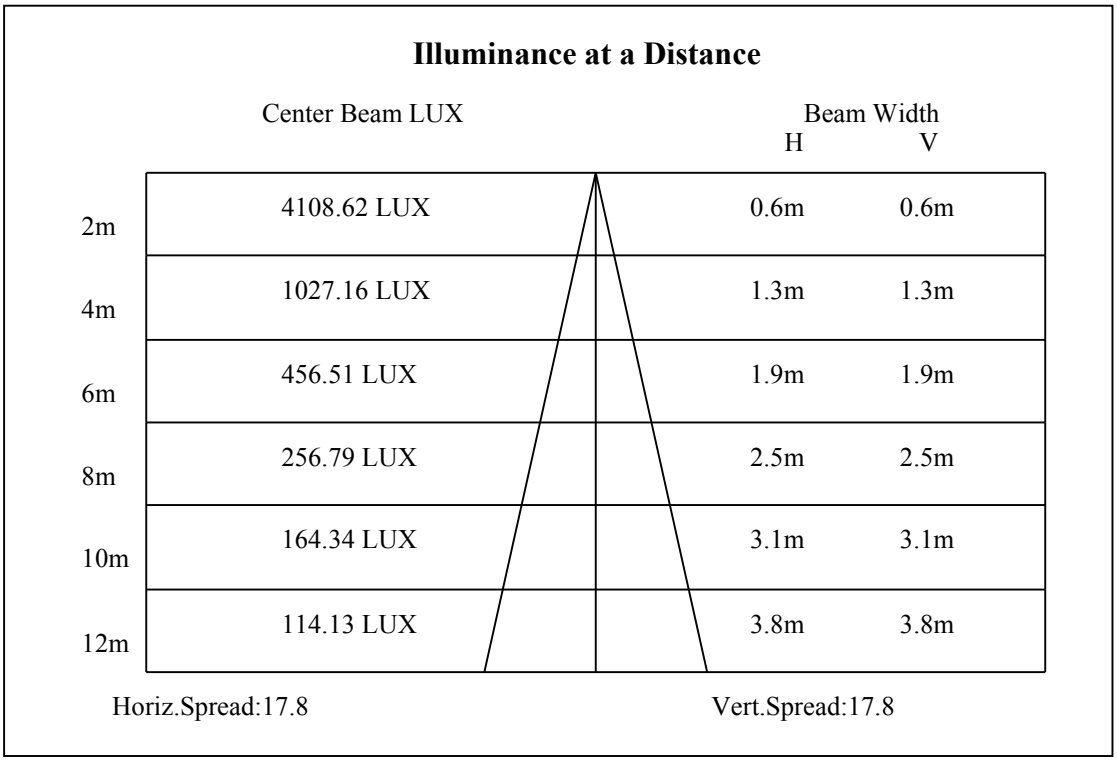
C0/C180:

C90/C270:

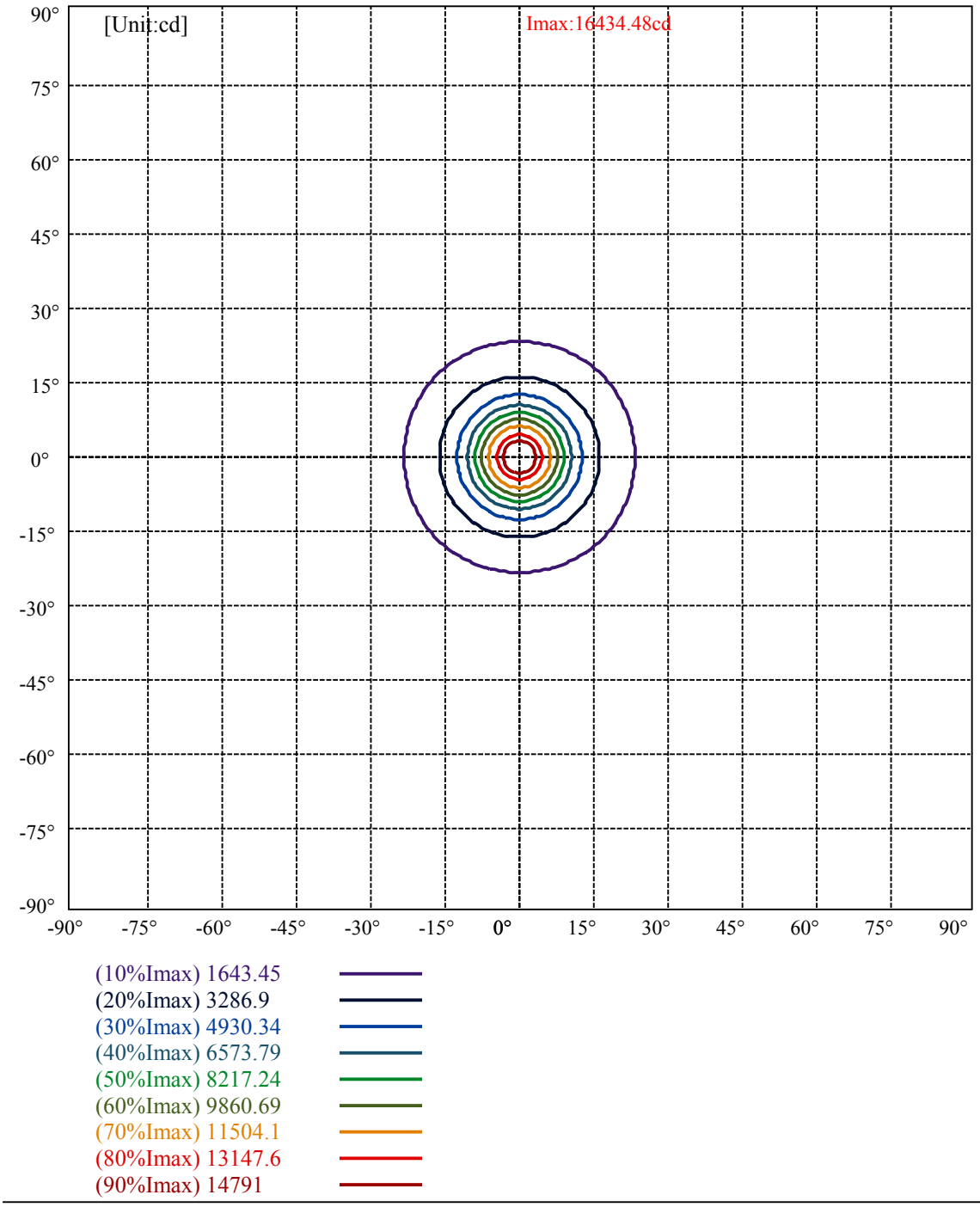
Field angle(10%Imax):C0/180Left:23.0 Right:23.0
:C90/270Left:23.0 Right:23.0

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9

Lux distance Curve



ISO-Intensity(V-H)

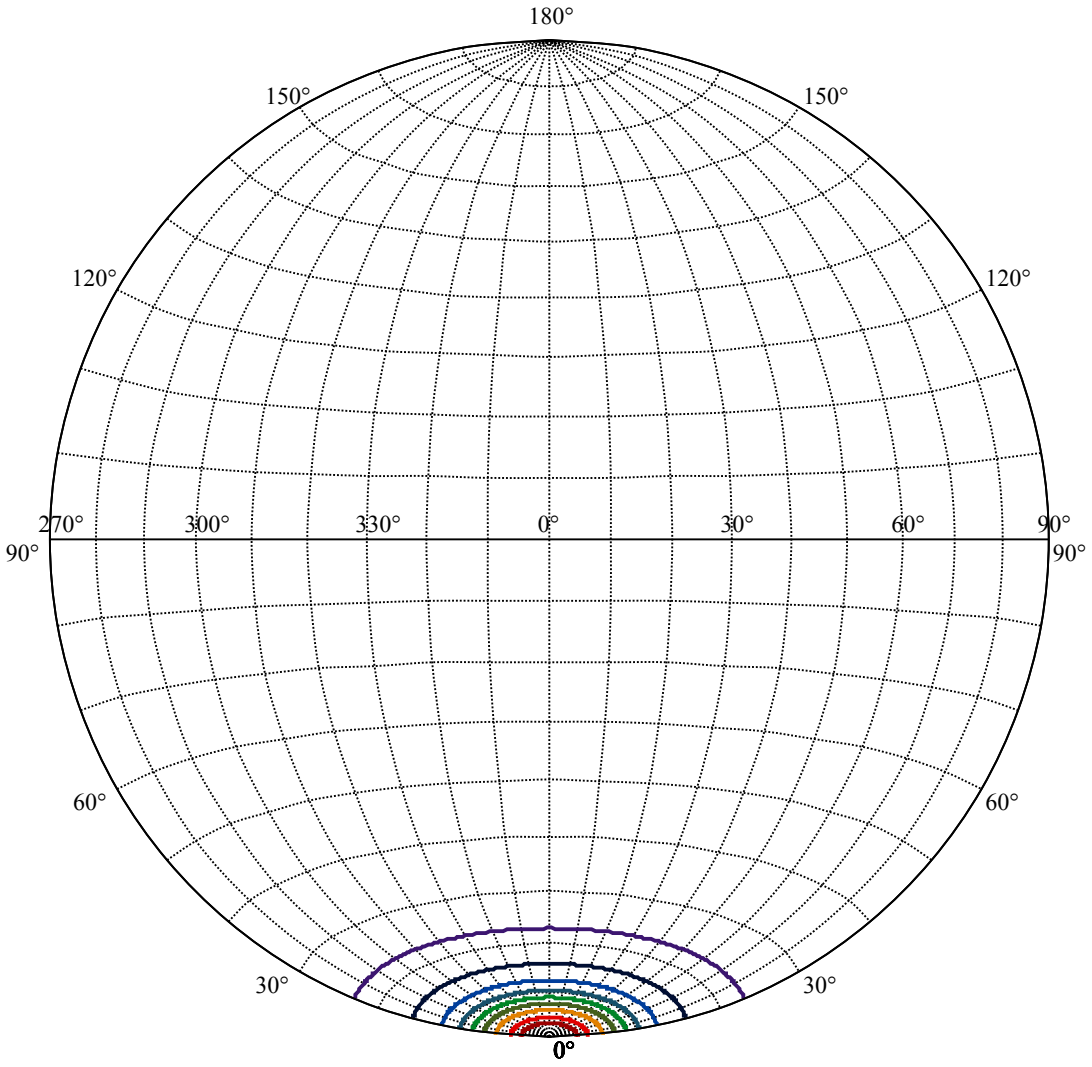


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:16434.48

(10%Imax) 1643.45
(20%Imax) 3286.9
(30%Imax) 4930.34
(40%Imax) 6573.79
(50%Imax) 8217.24
(60%Imax) 9860.69
(70%Imax) 11504.1
(80%Imax) 13147.6
(90%Imax) 14791

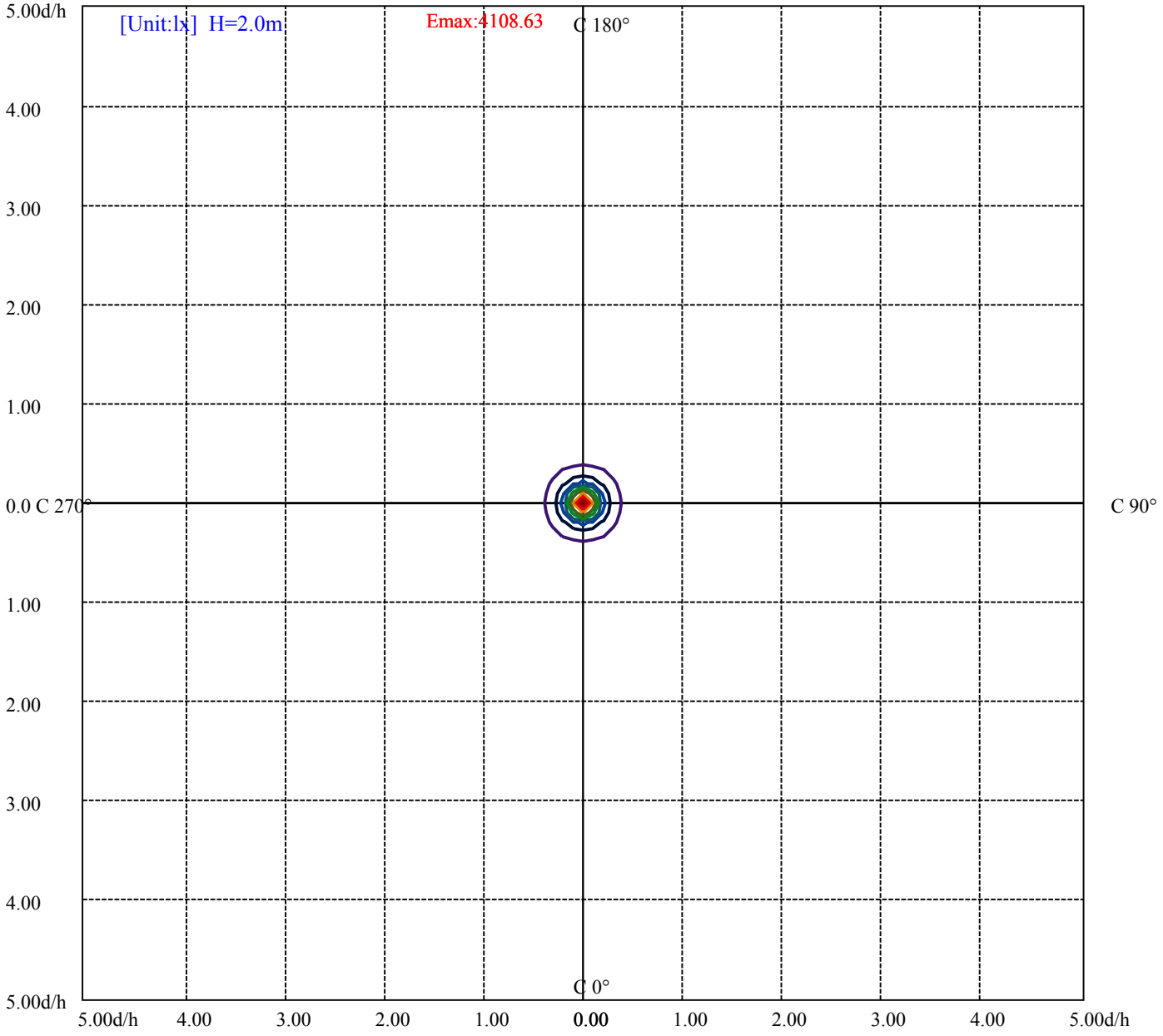
Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 2-2643-L

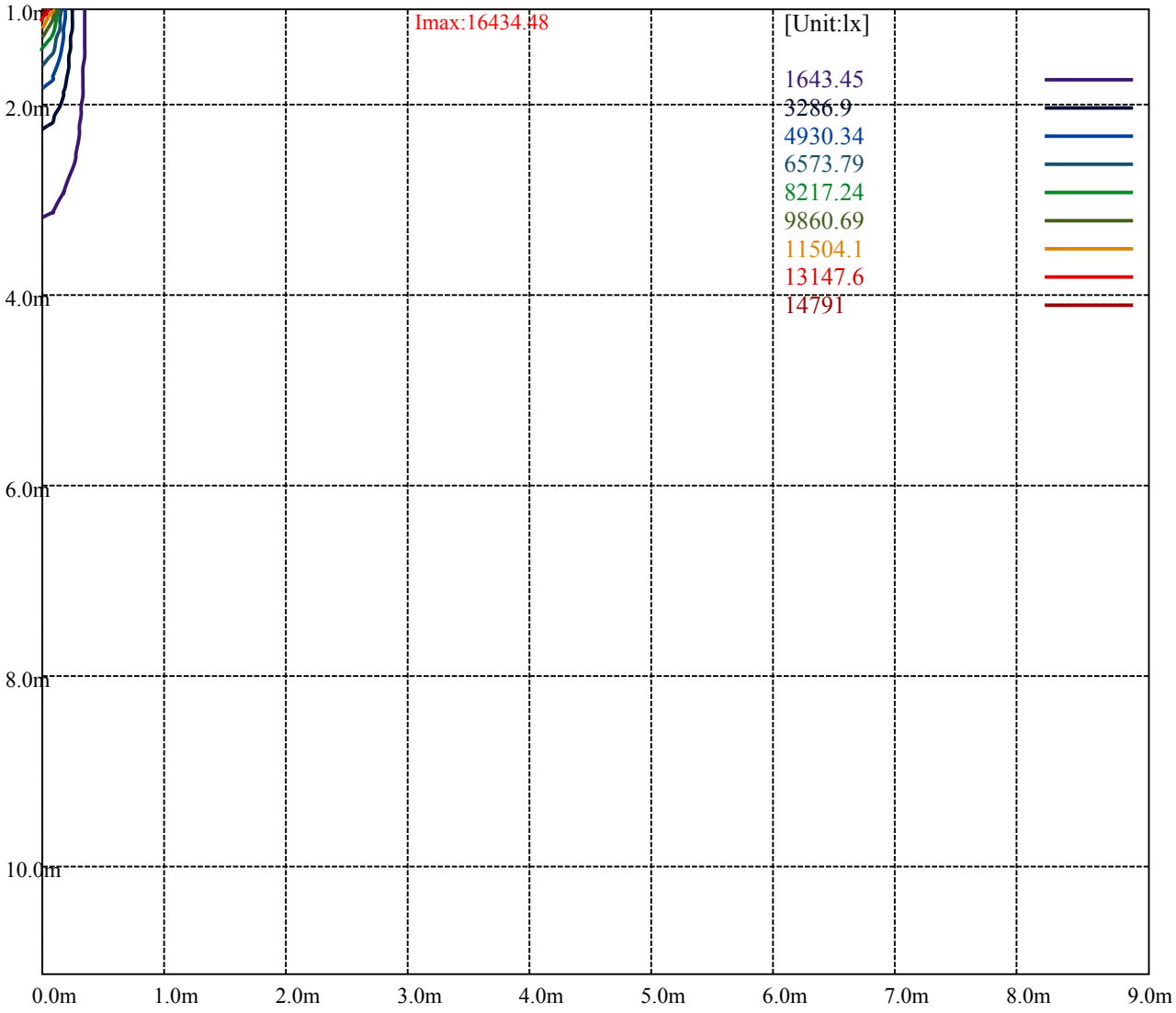
ISO illuminance diagram



(10%Emax) 410.8625
(20%Emax) 821.7225
(30%Emax) 1232.585
(40%Emax) 1643.445
(50%Emax) 2054.308
(60%Emax) 2465.17
(70%Emax) 2876.025
(80%Emax) 3286.9
(90%Emax) 3697.75

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

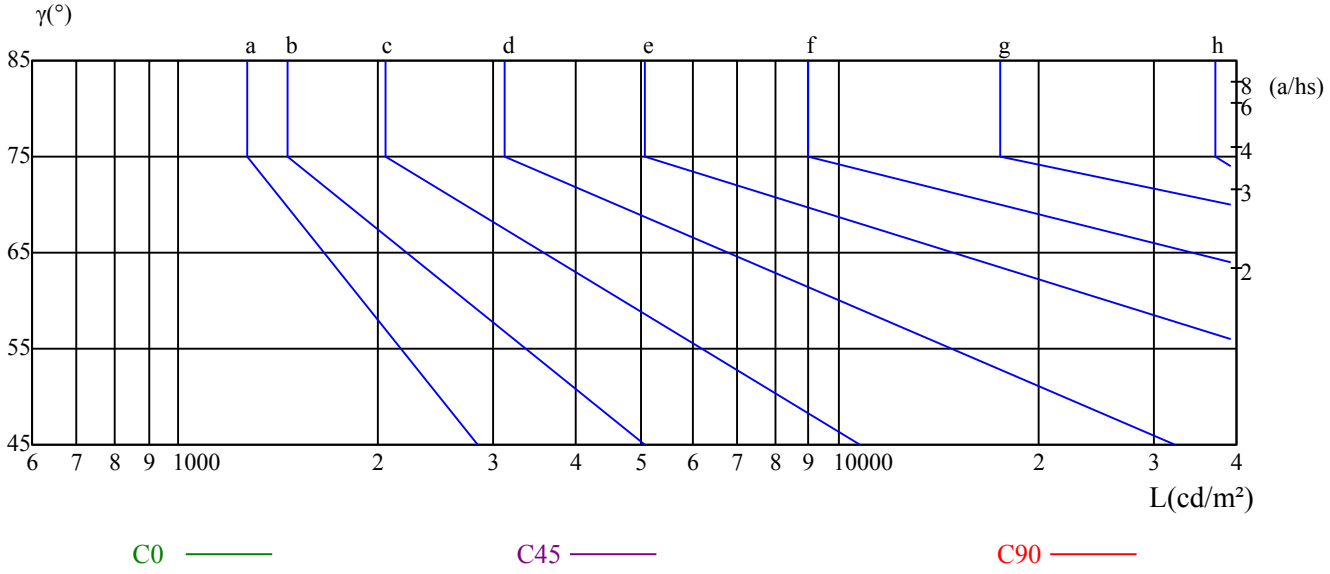
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

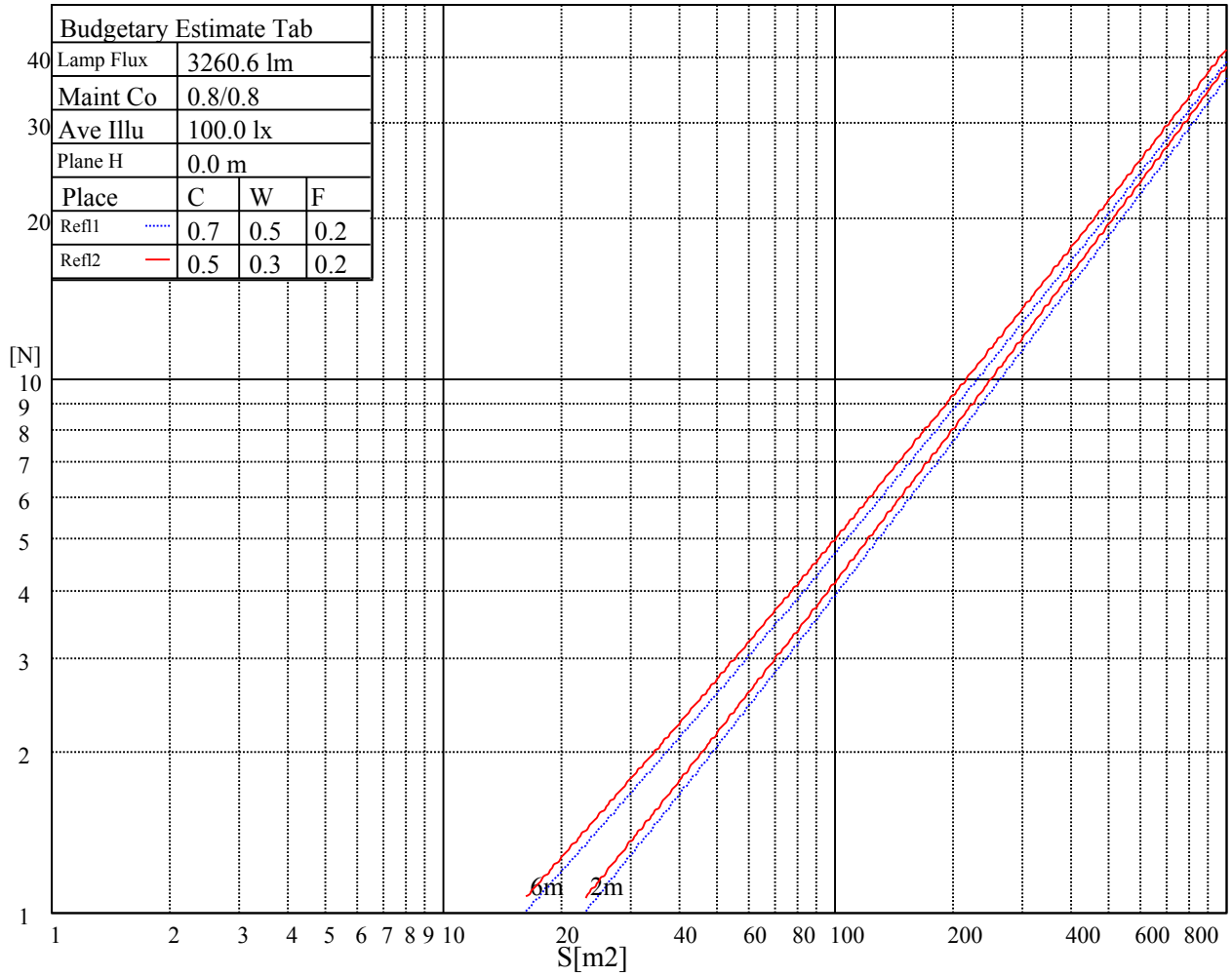
Luminance Limitting Curve



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

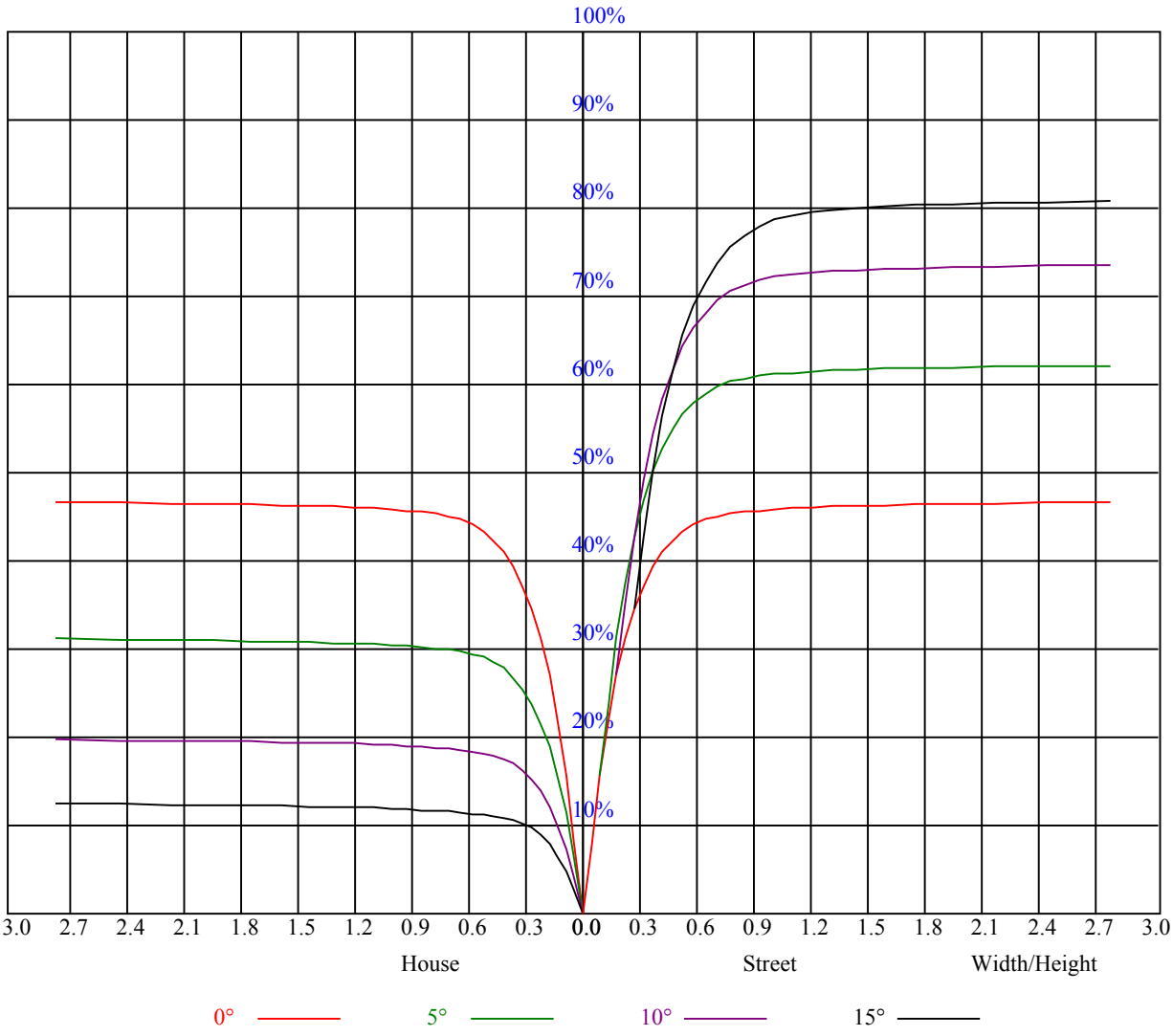


Equipment: GMS1980	Date: 2023/10/31	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.05	1.03	1.01	1.03	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	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.80	0.75	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	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	16406.81	15914.16	15244.38	14336.58	10740.81	10740.81	10433.60	9213.05	7736.77
45.0	16489.84	16467.70	16063.61	15438.12	14342.12	13240.58	12044.94	10838.23	9288.33
90.0	16406.81	15947.37	15299.74	14264.62	12349.39	10777.90	10777.90	9240.73	8052.84
135.0	16434.48	16268.42	15875.41	15056.18	14159.45	13107.73	11939.77	10461.83	9255.12
180.0	16406.81	16511.98	16362.52	15864.34	15238.85	14203.73	13190.76	12039.41	10832.70
225.0	16489.84	16290.56	15692.75	15022.97	14176.06	12354.92	10777.35	10469.58	9267.85
270.0	16406.81	16478.77	16312.71	15742.56	15067.25	14181.59	13146.48	11690.68	10478.44
315.0	16434.48	16334.85	15936.30	15327.41	14248.02	11022.01	11022.01	10389.87	9143.31
360.0	16406.81	15914.16	15244.38	14336.58	10740.81	10740.81	10433.60	9213.05	7736.77

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6690.04	5812.13	5091.42	4387.33	3928.44	3555.36	3152.39	2867.32	2622.10
45.0	8098.23	7018.84	5884.09	5153.42	4544.53	4051.88	3647.80	3227.11	2939.28
90.0	7002.23	6086.13	5156.74	4553.94	4064.06	3568.65	3237.63	2937.62	2621.55
135.0	8109.30	6841.70	5967.12	5247.52	4522.39	4051.88	3658.87	3221.58	2933.74
180.0	9310.48	8136.98	7068.65	6144.25	5208.77	4599.88	4107.24	3625.66	3288.00
225.0	8073.32	6775.28	5902.35	5178.33	4594.90	4007.60	3620.13	3197.78	2917.69
270.0	9288.33	8131.44	6830.63	5939.44	5208.77	4483.64	4007.60	3631.20	3216.04
315.0	7966.49	6669.00	5812.13	5098.62	4540.66	3955.57	3587.47	3257.56	2975.81
360.0	6690.04	5812.13	5091.42	4387.33	3928.44	3555.36	3152.39	2867.32	2622.10

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2349.21	2150.49	1960.62	1746.96	1592.52	1469.64	1361.70	1099.54	1099.54
45.0	2800.89	2800.89	2192.00	1951.21	1775.74	1614.66	1459.67	1350.07	1231.06
90.0	2396.81	2188.13	1949.00	1772.42	1617.99	1463.55	1352.84	1088.03	1088.03
135.0	2806.43	2806.43	2189.79	1993.28	1813.94	1654.52	1493.99	1382.18	1264.83
180.0	2994.63	2856.25	2856.25	2232.41	1991.62	1806.74	1644.00	1514.47	1379.97
225.0	2663.62	2379.65	2179.27	1992.73	1812.83	1614.66	1485.69	1378.86	1084.49
270.0	2928.21	2850.71	2572.28	2189.79	2006.57	1826.12	1623.52	1495.10	1387.16
315.0	2658.08	2430.02	2223.00	1981.66	1803.42	1643.45	1479.60	1373.32	1093.57
360.0	2349.21	2150.49	1960.62	1746.96	1592.52	1469.64	1361.70	1099.54	1099.54

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	979.87	863.07	721.76	613.98	508.09	382.60	297.80	233.54	188.42
45.0	1108.73	961.49	844.14	730.11	617.19	484.34	386.92	302.78	284.52
90.0	967.53	852.22	737.03	626.10	492.04	392.46	307.05	227.84	193.02
135.0	1113.71	994.15	876.80	733.44	620.51	512.02	387.48	302.78	285.07
180.0	1273.69	1158.55	1043.97	902.26	785.47	666.46	555.75	424.56	333.78
225.0	1084.49	1027.69	914.11	771.85	656.44	546.89	419.91	330.41	255.84
270.0	1286.42	1146.93	1034.56	925.51	781.04	661.48	550.77	420.69	332.12
315.0	1093.57	1006.66	891.19	774.23	633.30	524.97	420.58	330.85	242.17
360.0	979.87	863.07	721.76	613.98	508.09	382.60	297.80	233.54	188.42

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	169.16	148.57	133.29	119.84	107.83	95.48	86.68	79.16	73.12
45.0	216.16	171.71	151.17	136.23	123.27	108.66	98.92	90.39	82.92
90.0	173.26	152.72	137.78	124.43	109.66	99.80	91.00	83.20	75.17
135.0	285.07	170.43	154.27	138.88	125.65	111.21	101.24	92.44	82.92
180.0	293.93	293.93	172.04	151.23	137.11	124.21	112.59	100.47	91.78
225.0	194.73	169.71	152.78	134.34	121.94	110.93	101.13	90.72	83.47
270.0	292.27	292.27	170.49	154.22	135.84	122.94	111.37	101.80	93.33
315.0	198.28	175.14	154.71	139.77	125.93	111.09	100.80	91.89	82.26
360.0	169.16	148.57	133.29	119.84	107.83	95.48	86.68	79.16	73.12

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	65.93	60.94	57.18	53.80	49.93	47.44	44.56	42.46	40.68
45.0	75.11	69.30	64.32	60.28	55.69	52.36	49.60	46.61	44.23
90.0	69.19	64.04	60.06	55.46	52.09	49.38	46.33	44.01	42.07
135.0	76.50	70.41	64.04	59.95	54.91	51.59	48.77	46.05	43.12
180.0	84.14	77.66	70.02	64.76	60.89	55.91	52.31	49.38	46.16
225.0	77.27	71.30	65.04	60.89	55.85	52.48	49.82	46.39	43.95
270.0	84.08	77.88	71.90	65.48	61.66	56.74	53.42	50.59	47.16
315.0	76.11	70.47	64.21	60.06	56.52	53.03	49.32	46.72	44.39
360.0	65.93	60.94	57.18	53.80	49.93	47.44	44.56	42.46	40.68

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.80	37.42	36.20	35.15	34.15	33.38	32.60	32.11	31.16
45.0	42.23	40.08	38.69	36.92	35.87	35.04	34.21	33.21	32.60
90.0	40.02	38.58	36.92	35.98	35.15	34.37	33.27	32.66	32.05
135.0	41.24	39.58	38.14	36.53	35.65	34.82	33.65	32.88	32.38
180.0	43.62	41.29	39.69	38.14	36.81	35.48	34.71	33.82	32.94
225.0	42.07	40.52	38.58	37.20	36.15	35.37	34.32	33.49	32.77
270.0	44.73	42.79	41.02	39.19	37.81	36.70	35.98	34.71	33.82
315.0	42.35	40.19	38.69	36.98	35.92	35.09	33.93	33.21	32.60
360.0	38.80	37.42	36.20	35.15	34.15	33.38	32.60	32.11	31.16

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.28	29.28	28.06	26.85	25.63	24.58	23.58	22.75	21.81
45.0	31.77	30.78	29.89	28.62	27.40	26.13	25.13	24.08	22.97
90.0	30.83	29.78	28.62	27.40	26.07	25.08	24.02	22.97	22.25
135.0	31.11	30.11	29.17	27.84	26.68	25.68	24.63	23.36	22.64
180.0	32.16	31.27	30.17	29.12	27.90	26.74	25.46	24.52	23.53
225.0	31.61	30.39	29.34	27.95	26.74	25.74	24.52	23.53	22.69
270.0	33.10	32.05	30.72	29.61	28.17	26.90	25.91	24.69	23.69
315.0	31.94	30.39	29.39	28.29	26.96	25.68	24.69	23.69	22.64
360.0	30.28	29.28	28.06	26.85	25.63	24.58	23.58	22.75	21.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.15	20.54	19.93	19.26	18.71	18.10	17.38	16.88	16.38
45.0	22.14	21.53	20.70	20.15	19.54	18.99	18.27	17.71	17.10
90.0	21.53	20.76	20.15	19.54	19.04	18.32	17.77	17.16	16.66
135.0	21.86	21.15	20.37	19.82	19.32	18.54	18.05	17.44	16.94
180.0	22.47	21.70	20.98	20.37	19.65	19.04	18.49	17.99	17.38
225.0	21.98	21.09	20.48	19.87	19.32	18.65	18.10	17.55	16.94
270.0	22.86	22.14	21.26	20.65	19.98	19.43	18.71	18.16	17.60
315.0	21.92	21.09	20.48	19.87	19.32	18.60	18.05	17.49	16.94
360.0	21.15	20.54	19.93	19.26	18.71	18.10	17.38	16.88	16.38

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.78	15.39	14.89	14.50	14.12	13.78	13.45	13.06	13.01
45.0	16.61	16.00	15.44	14.95	14.45	14.12	13.78	13.40	13.01
90.0	16.00	15.44	14.95	14.50	14.17	13.84	13.45	13.34	12.95
135.0	16.44	15.89	15.28	14.83	14.39	14.06	13.67	13.34	12.90
180.0	16.88	16.33	15.78	15.22	14.78	14.39	14.00	13.56	13.28
225.0	16.44	15.89	15.39	14.95	14.45	14.12	13.73	13.45	12.95
270.0	16.88	16.44	15.78	15.33	14.83	14.39	13.95	13.56	13.45
315.0	16.33	15.78	15.39	14.83	14.50	14.06	13.67	13.34	13.12
360.0	15.78	15.39	14.89	14.50	14.12	13.78	13.45	13.06	13.01

Intensity data(cd)

C/γ(°)	90.0
0.0	13.12
45.0	13.06
90.0	13.23
135.0	13.01
180.0	12.79
225.0	13.01
270.0	12.79
315.0	12.90
360.0	13.12