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NT

Client:
LumCAT: 2-2642-L
Luminaire: 92.70.412.000
Report No: 20231101-B018
Ballast type: AC

Test No: 20231101-C018	Voltage(V): 35.180
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.451
Lamp flux(lm): 2563.2	Power (W): 15.866
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2398.41, Efficiency(%): 93.57% , Luminous Efficacy(lm/W): 151.17
Central intensity(cd): 3707.584, Maximum intensity(cd): 3707.584
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=48.4
[C90/270]Total=48.4
Field angle(10%Imax): [C0/180]Total=72.6
[C90/270]Total=72.6
Maximum s/h(1/2): C0_180=0.76 C90_270=0.76
Maximum s/h(1/4): C0_180=0.75 C90_270=0.75
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.993%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3707.584	0.000	0	0.00%	0.00%
1.0	3705.232	3.547	3.547	0.14%	0.15%
2.0	3702.395	10.632	14.179	0.41%	0.59%
3.0	3693.953	17.690	31.869	0.69%	1.33%
4.0	3677.278	24.674	56.543	0.96%	2.36%
5.0	3652.992	31.534	88.077	1.23%	3.67%
6.0	3615.144	38.196	126.273	1.49%	5.26%
7.0	3572.521	44.614	170.887	1.74%	7.12%
8.0	3520.489	50.763	221.65	1.98%	9.24%
9.0	3452.612	56.513	278.163	2.20%	11.60%
10.0	3381.967	61.850	340.014	2.41%	14.18%
11.0	3294.370	66.710	406.724	2.60%	16.96%
12.0	3204.973	71.047	477.771	2.77%	19.92%
13.0	3102.154	74.850	552.621	2.92%	23.04%
14.0	3009.506	78.229	630.849	3.05%	26.30%
15.0	2915.128	81.336	712.185	3.17%	29.69%
16.0	2809.680	83.884	796.07	3.27%	33.19%
17.0	2701.394	85.822	881.892	3.35%	36.77%
18.0	2601.204	87.428	969.32	3.41%	40.42%
19.0	2495.271	88.668	1057.989	3.46%	44.11%
20.0	2384.633	89.316	1147.304	3.48%	47.84%
21.0	2263.616	89.256	1236.56	3.48%	51.56%
22.0	2144.537	88.584	1325.144	3.46%	55.25%
23.0	2011.135	87.197	1412.341	3.40%	58.89%
24.0	1885.344	85.191	1497.532	3.32%	62.44%
25.0	1752.287	82.712	1580.244	3.23%	65.89%
26.0	1630.094	79.842	1660.085	3.11%	69.22%
27.0	1479.187	76.069	1736.155	2.97%	72.39%
28.0	1331.967	71.172	1807.327	2.78%	75.36%
29.0	1195.534	66.127	1873.454	2.58%	78.11%
30.0	1092.369	61.773	1935.227	2.41%	80.69%
31.0	966.024	57.282	1992.509	2.23%	83.08%
32.0	830.678	51.473	2043.982	2.01%	85.22%
33.0	705.281	45.250	2089.232	1.77%	87.11%
34.0	595.328	39.360	2128.592	1.54%	88.75%
35.0	486.932	33.611	2162.203	1.31%	90.15%
36.0	399.369	28.220	2190.423	1.10%	91.33%
37.0	317.024	23.365	2213.788	0.91%	92.30%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	263.483	19.377	2233.165	0.76%	93.11%
39.0	230.340	16.856	2250.02	0.66%	93.81%
40.0	181.124	14.350	2264.37	0.56%	94.41%
41.0	128.330	11.020	2275.39	0.43%	94.87%
42.0	105.372	8.491	2283.881	0.33%	95.22%
43.0	88.455	7.180	2291.061	0.28%	95.52%
44.0	75.212	6.177	2297.238	0.24%	95.78%
45.0	65.476	5.407	2302.645	0.21%	96.01%
46.0	58.502	4.849	2307.493	0.19%	96.21%
47.0	52.537	4.416	2311.91	0.17%	96.39%
48.0	47.902	4.060	2315.97	0.16%	96.56%
49.0	43.736	3.763	2319.733	0.15%	96.72%
50.0	40.346	3.506	2323.239	0.14%	96.87%
51.0	37.495	3.293	2326.532	0.13%	97.00%
52.0	34.977	3.110	2329.642	0.12%	97.13%
53.0	32.908	2.953	2332.595	0.12%	97.26%
54.0	31.046	2.819	2335.414	0.11%	97.37%
55.0	29.503	2.703	2338.117	0.11%	97.49%
56.0	27.995	2.598	2340.715	0.10%	97.59%
57.0	26.798	2.505	2343.22	0.10%	97.70%
58.0	25.649	2.425	2345.645	0.09%	97.80%
59.0	24.667	2.352	2347.998	0.09%	97.90%
60.0	23.774	2.289	2350.286	0.09%	97.99%
61.0	22.937	2.229	2352.515	0.09%	98.09%
62.0	22.176	2.174	2354.689	0.08%	98.18%
63.0	21.436	2.121	2356.81	0.08%	98.27%
64.0	20.806	2.073	2358.883	0.08%	98.35%
65.0	20.176	2.028	2360.911	0.08%	98.44%
66.0	19.623	1.986	2362.897	0.08%	98.52%
67.0	19.049	1.945	2364.841	0.08%	98.60%
68.0	18.509	1.903	2366.744	0.07%	98.68%
69.0	17.969	1.861	2368.605	0.07%	98.76%
70.0	17.429	1.818	2370.423	0.07%	98.83%
71.0	16.959	1.777	2372.2	0.07%	98.91%
72.0	16.454	1.737	2373.938	0.07%	98.98%
73.0	15.970	1.696	2375.633	0.07%	99.05%
74.0	15.485	1.654	2377.287	0.06%	99.12%
75.0	15.015	1.611	2378.898	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.579	1.571	2380.469	0.06%	99.25%
77.0	14.115	1.530	2381.999	0.06%	99.32%
78.0	13.645	1.486	2383.485	0.06%	99.38%
79.0	13.209	1.443	2384.928	0.06%	99.44%
80.0	12.759	1.400	2386.328	0.05%	99.50%
81.0	12.365	1.359	2387.687	0.05%	99.55%
82.0	11.970	1.320	2389.006	0.05%	99.61%
83.0	11.590	1.281	2390.287	0.05%	99.66%
84.0	11.244	1.244	2391.531	0.05%	99.71%
85.0	10.946	1.211	2392.742	0.05%	99.76%
86.0	10.690	1.183	2393.925	0.05%	99.81%
87.0	10.448	1.157	2395.081	0.05%	99.86%
88.0	10.206	1.131	2396.213	0.04%	99.91%
89.0	9.998	1.107	2397.32	0.04%	99.95%
90.0	9.894	1.091	2398.411	0.04%	100.00%

Zonal flux distribution table

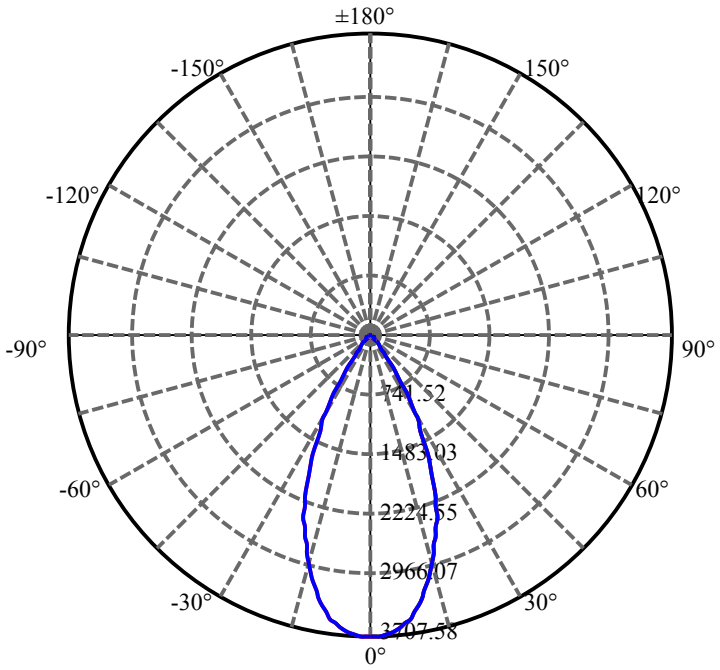
ZONAL LUMEN SUMMARY

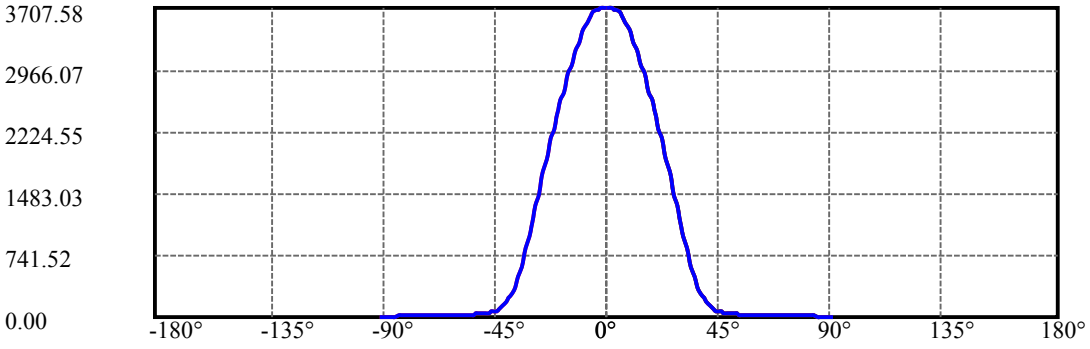
Zone	Lumens	%Lamp	%Fixt
0-30	1935.23	75.50%	80.69%
0-40	2264.37	88.34%	94.41%
0-60	2350.29	91.69%	97.99%
0-90	2397.32	93.53%	99.95%
0-120	2397.32	93.53%	99.95%
0-180	2398.41	93.57%	100.00%
60-90	47.03	1.83%	1.96%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.73	1918.73	74.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	340.01
10-20	807.29
20-30	787.92
30-40	329.14
40-50	58.87
50-60	27.05
60-70	20.14
70-80	15.90
80-90	10.99
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):

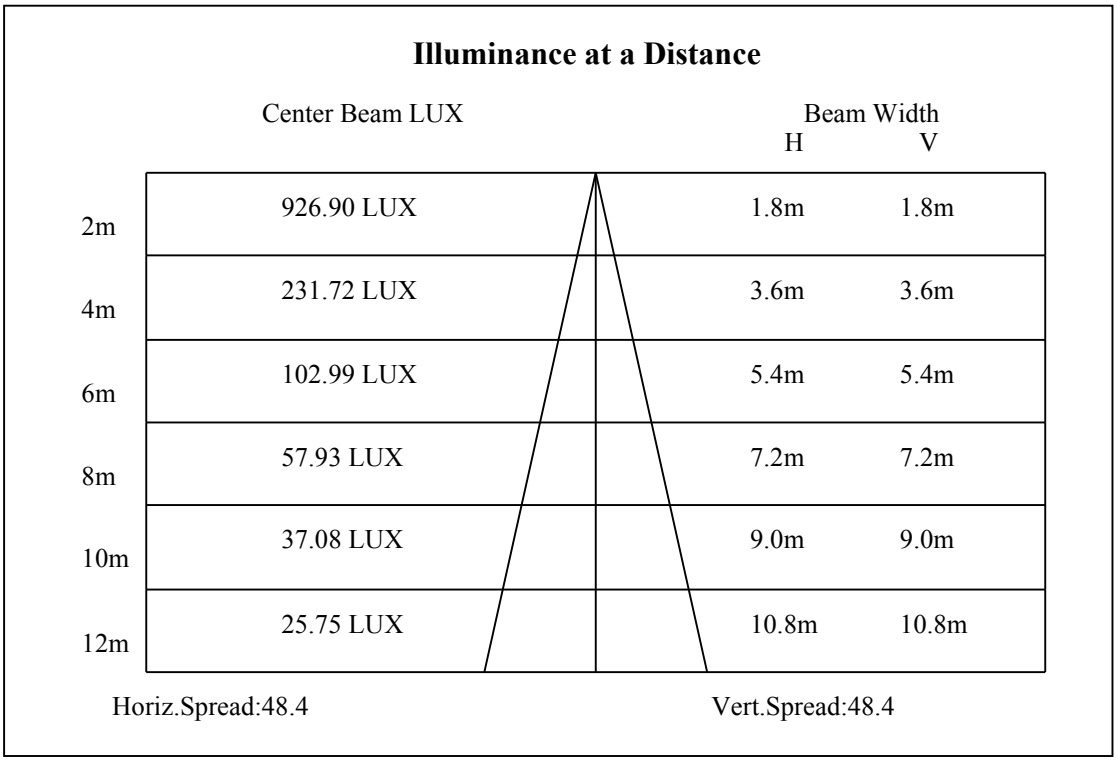
C0/C180:

C90/C270:

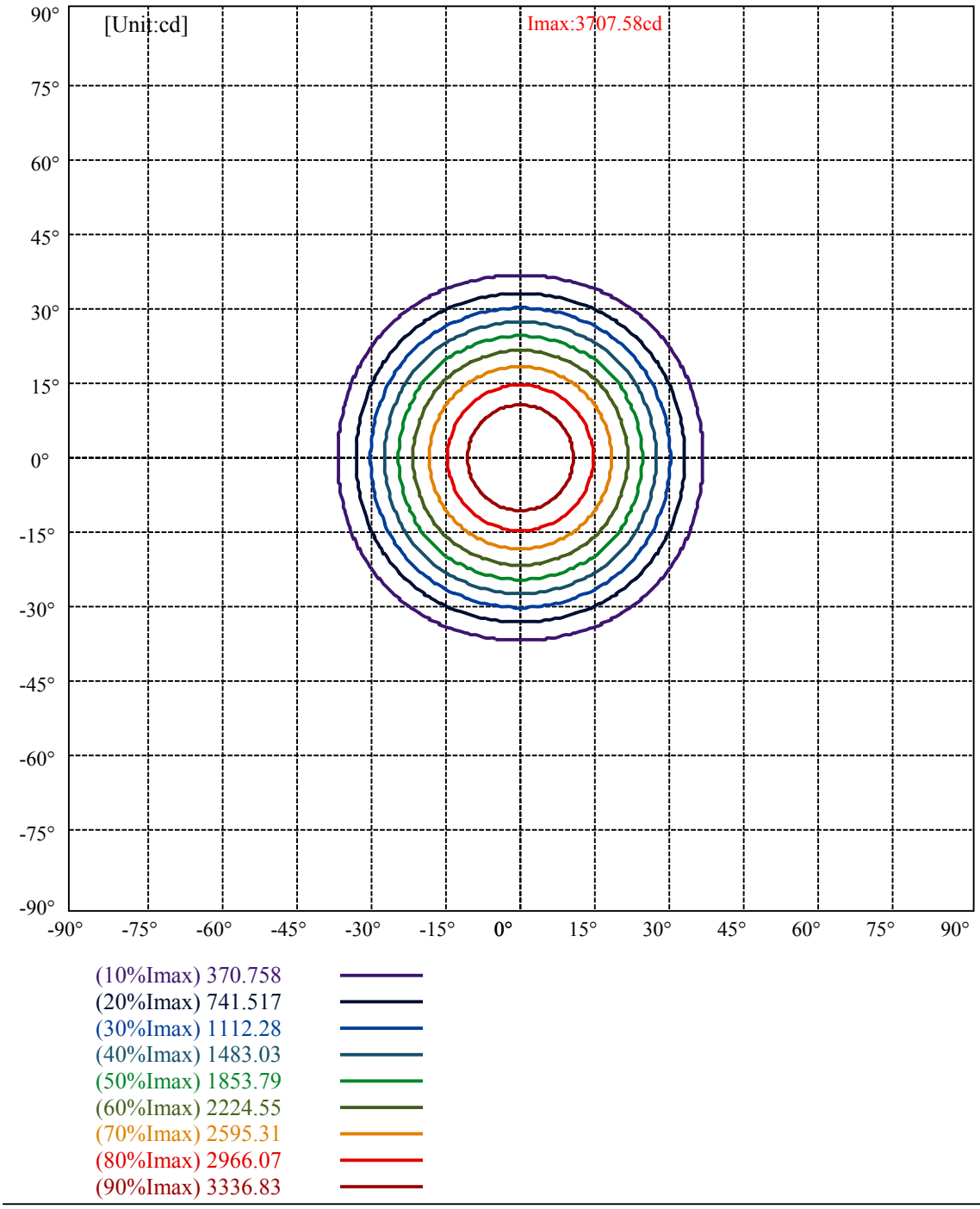
Field angle(10%Imax):C0/180Left:36.3 Right:36.3
:C90/270Left:36.3 Right:36.3

Beam Angle(50%Imax):C0/180Left:24.2 Right:24.2
:C90/270Left:24.2 Right:24.2

Lux distance Curve



ISO-Intensity(V-H)

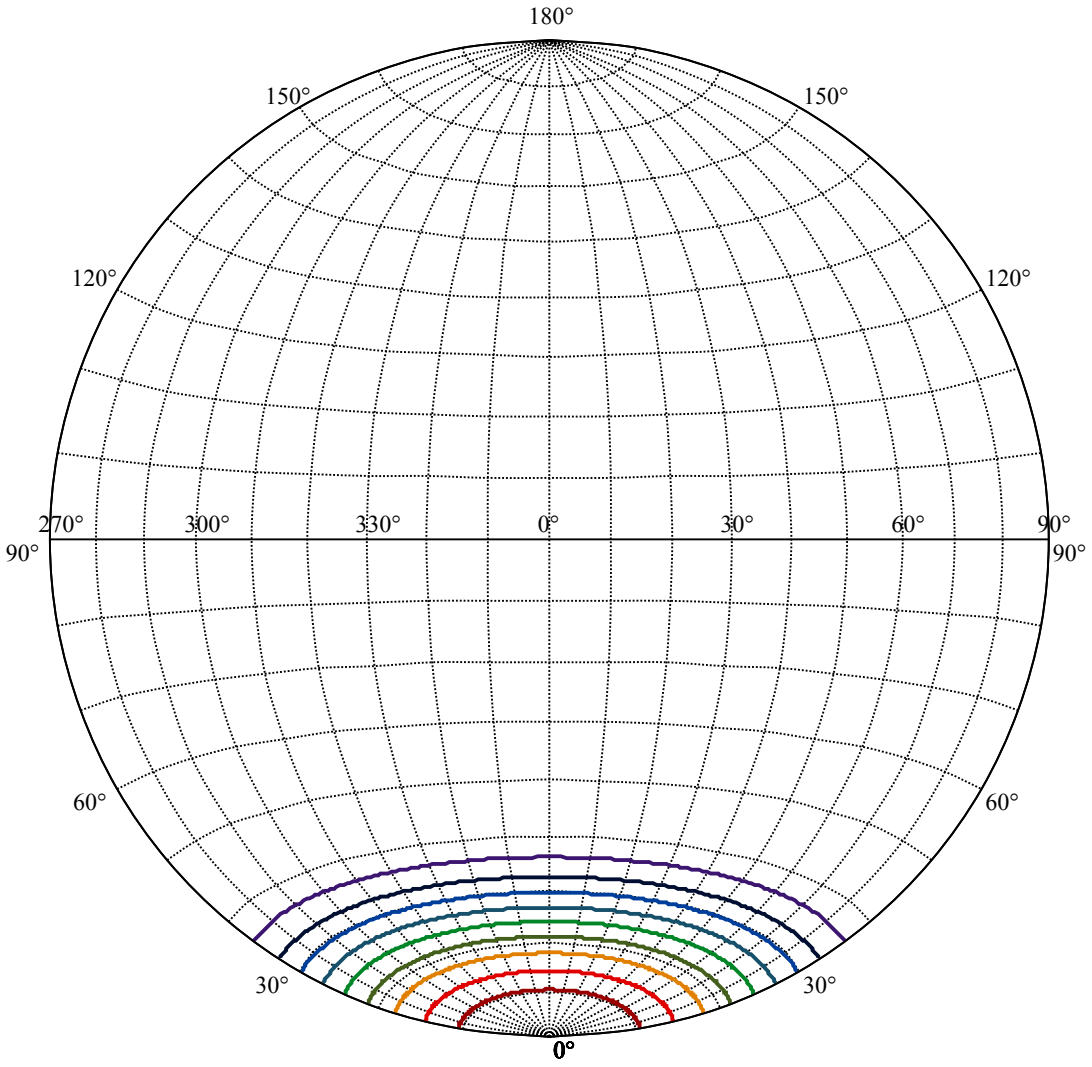


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:3707.58

(10%Imax) 370.758
(20%Imax) 741.517
(30%Imax) 1112.28
(40%Imax) 1483.03
(50%Imax) 1853.79
(60%Imax) 2224.55
(70%Imax) 2595.31
(80%Imax) 2966.07
(90%Imax) 3336.83

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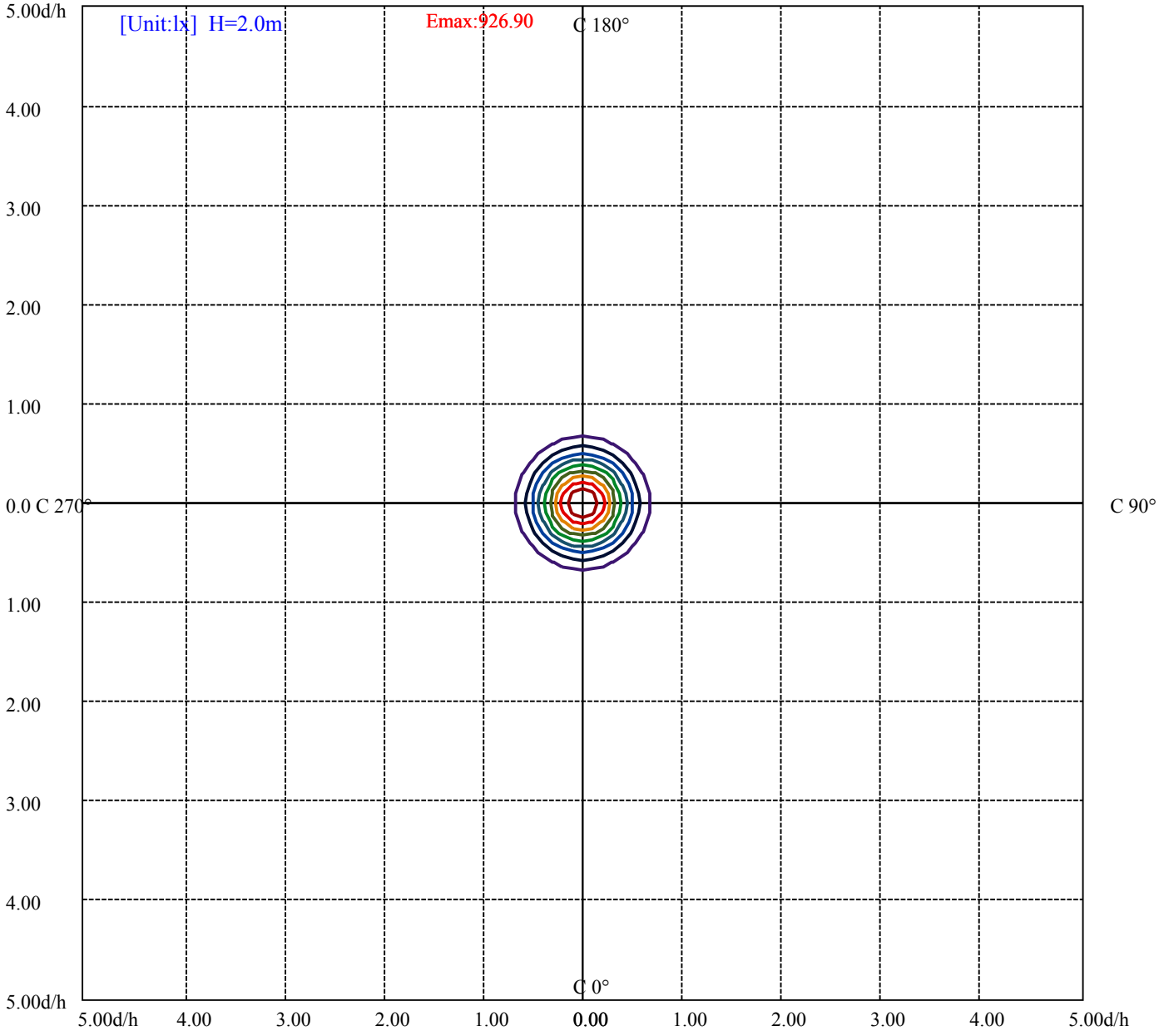
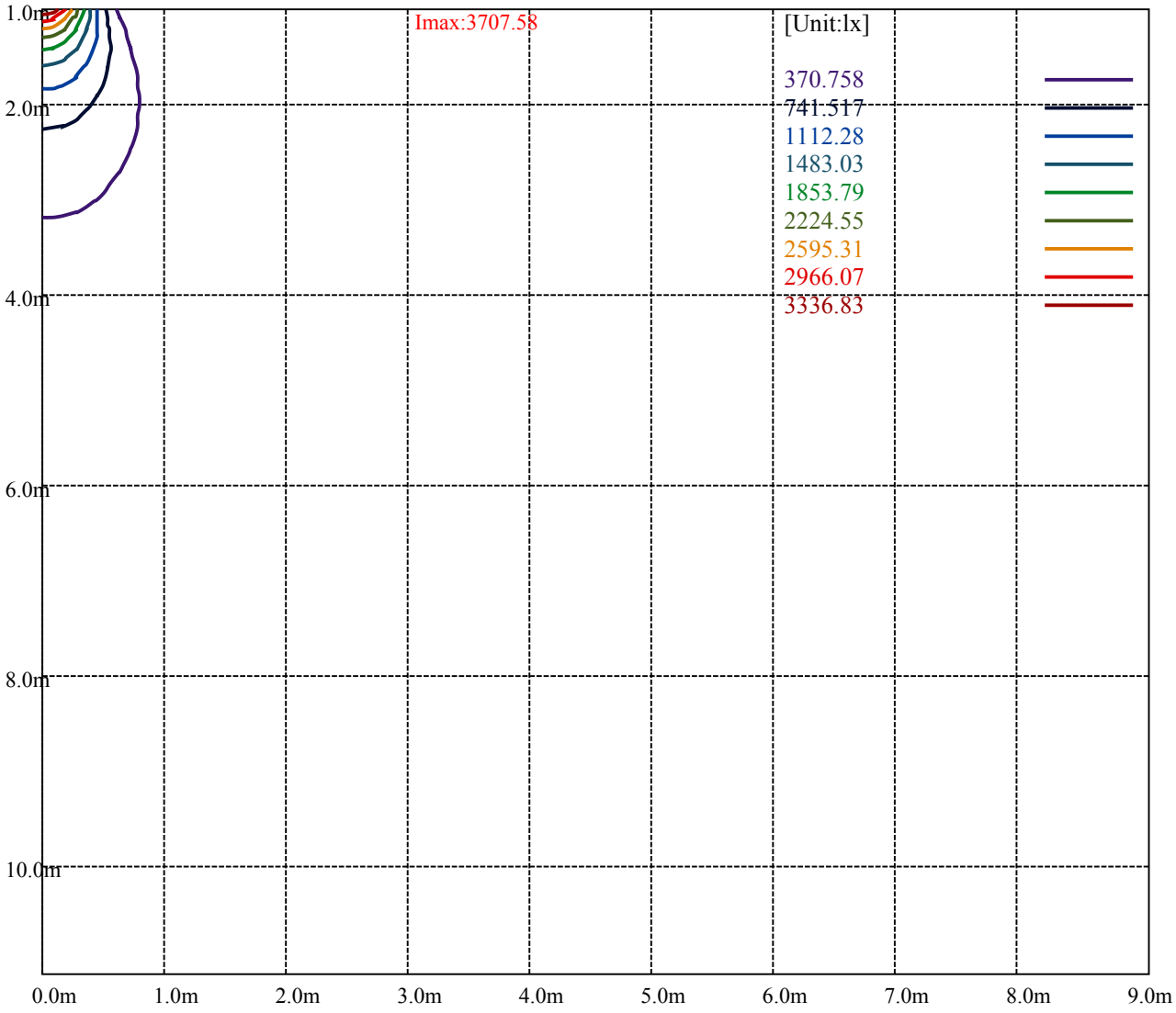
ISO illuminance diagram



(10%Emax) 92.6895
(20%Emax) 185.3793
(30%Emax) 278.07
(40%Emax) 370.7575
(50%Emax) 463.4475
(60%Emax) 556.1375
(70%Emax) 648.8275
(80%Emax) 741.5175
(90%Emax) 834.2075

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/01
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

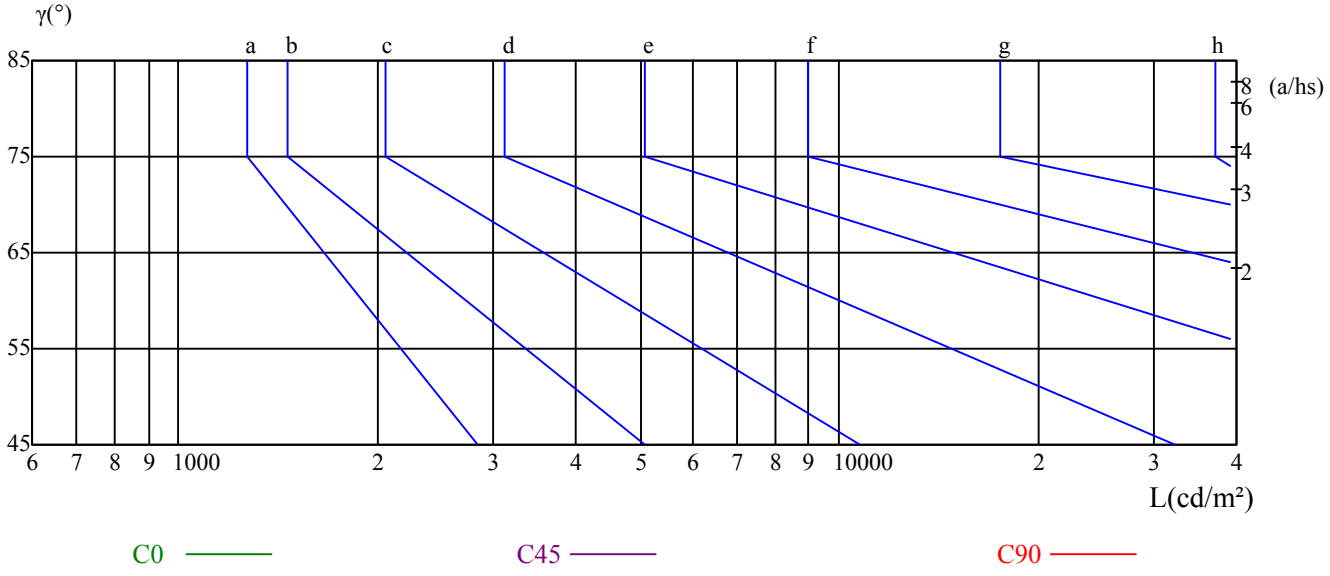
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

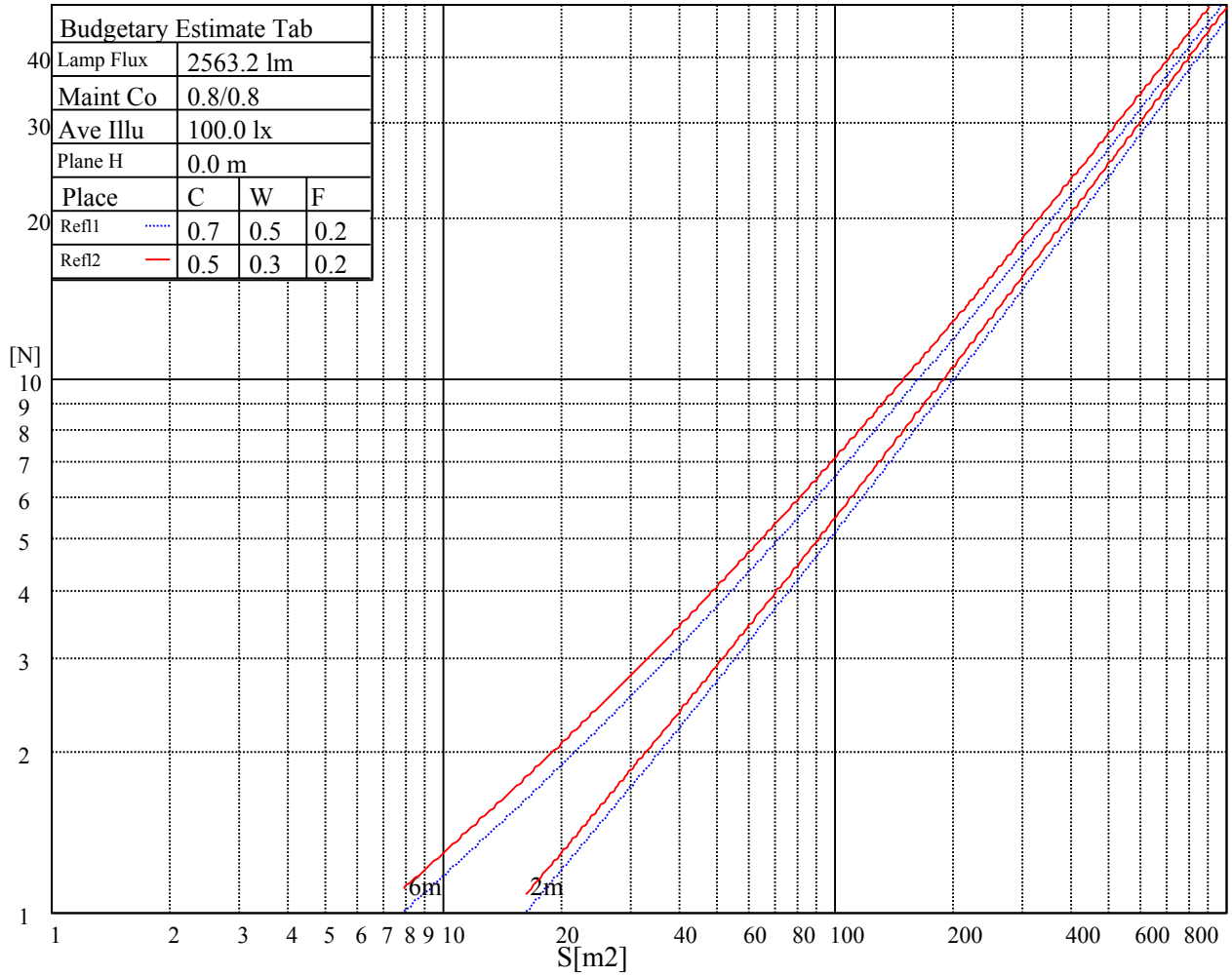
Luminance Limitting Curve



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

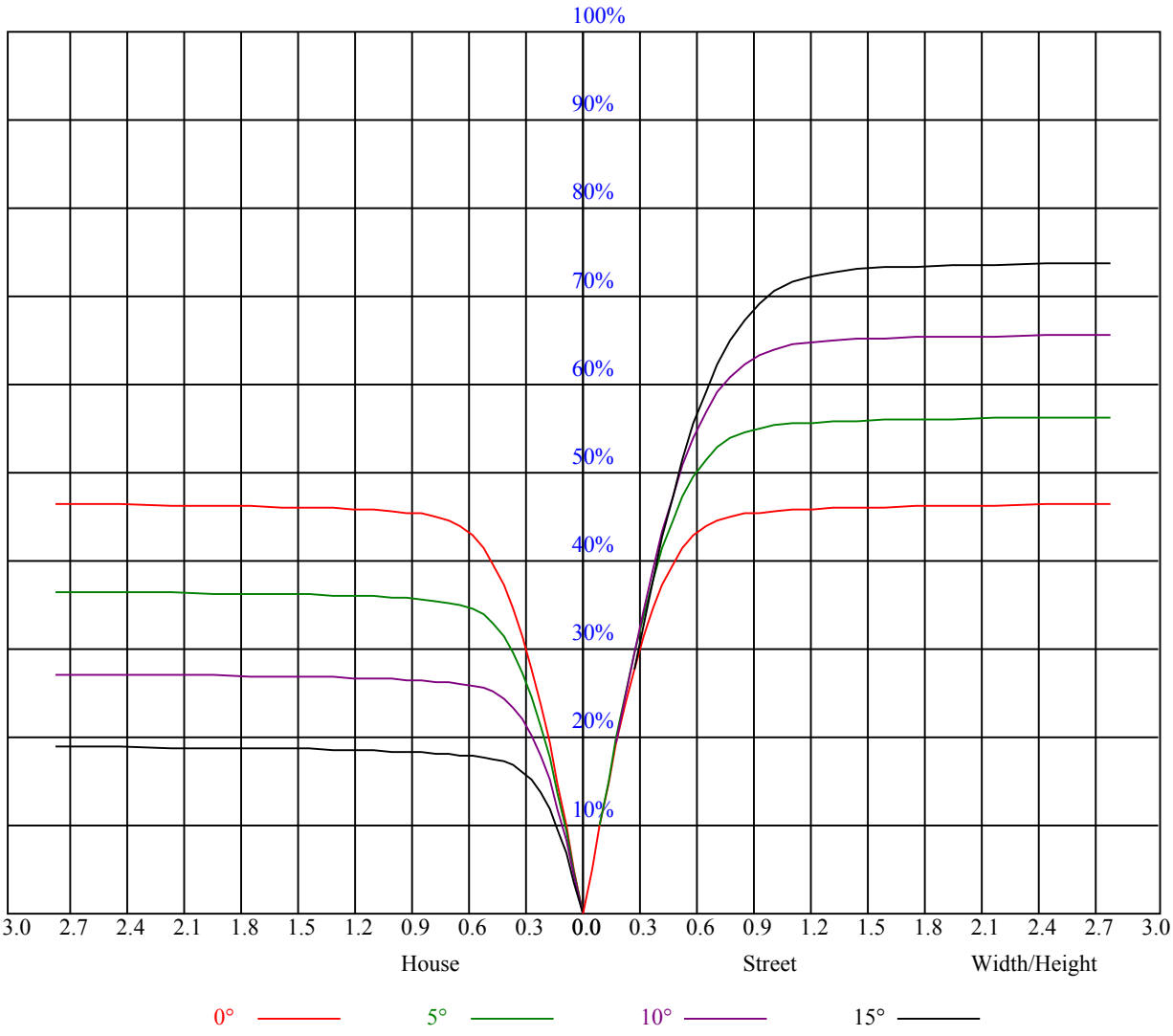


Equipment: GMS1980 Date: 2023/11/01 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.94
1	1.04	1.01	0.99	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.68
6	0.76	0.71	0.67	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
7	0.72	0.67	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/01	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	3711.46	3706.48	3714.23	3707.58	3682.68	3645.59	3601.31	3553.15	3474.55
45.0	3708.69	3713.67	3708.69	3700.39	3684.34	3654.44	3627.87	3574.74	3522.70
90.0	3705.37	3700.94	3685.44	3659.43	3628.98	3580.82	3535.43	3465.69	3396.50
135.0	3704.82	3690.98	3684.34	3657.21	3630.09	3617.36	3556.47	3529.35	3474.55
180.0	3711.46	3710.35	3704.26	3695.41	3681.01	3668.28	3640.05	3600.20	3562.00
225.0	3708.69	3704.82	3706.48	3702.60	3690.42	3668.84	3626.21	3581.38	3528.79
270.0	3705.37	3709.24	3712.01	3716.99	3715.33	3703.71	3682.12	3654.44	3618.46
315.0	3704.82	3705.37	3703.71	3712.01	3705.37	3684.89	3651.68	3621.23	3586.36
360.0	3711.46	3706.48	3714.23	3707.58	3682.68	3645.59	3601.31	3553.15	3474.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3389.85	3310.70	3197.78	3109.77	2990.76	2894.44	2803.66	2707.90	2581.69
45.0	3459.05	3384.32	3294.65	3205.53	3108.66	3008.47	2910.49	2800.89	2711.77
90.0	3324.54	3238.74	3150.17	3063.82	2946.47	2862.89	2767.68	2667.49	2546.82
135.0	3391.52	3325.09	3249.26	3146.85	3058.29	2973.60	2892.23	2769.34	2673.03
180.0	3500.01	3430.82	3359.41	3259.22	3177.30	3087.07	3006.25	2903.85	2806.98
225.0	3459.60	3400.37	3319.00	3230.44	3116.41	3021.75	2923.78	2800.34	2697.93
270.0	3575.84	3524.92	3436.35	3360.52	3247.04	3156.82	3062.16	2970.83	2841.85
315.0	3520.49	3440.78	3348.34	3263.65	3172.31	3071.02	2954.78	2856.80	2751.07
360.0	3389.85	3310.70	3197.78	3109.77	2990.76	2894.44	2803.66	2707.90	2581.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2476.52	2368.58	2255.11	2139.97	1992.73	1877.04	1761.35	1614.66	1495.10
45.0	2593.32	2489.25	2390.72	2248.46	2133.88	2017.64	1872.06	1754.71	1640.13
90.0	2445.52	2343.12	2230.20	2086.28	1971.14	1828.88	1712.64	1595.84	1443.07
135.0	2585.57	2494.79	2364.71	2257.32	2143.84	1998.82	1883.68	1733.12	1614.66
180.0	2710.67	2620.44	2502.54	2400.69	2290.53	2148.83	2033.14	1887.56	1770.21
225.0	2606.60	2482.61	2374.67	2261.75	2147.72	2011.55	1889.22	1770.76	1658.39
270.0	2744.99	2643.13	2544.60	2416.74	2297.17	2173.74	2020.96	1904.72	1784.05
315.0	2646.46	2520.25	2414.52	2297.73	2179.27	2032.58	1909.70	1756.92	1635.15
360.0	2476.52	2368.58	2255.11	2139.97	1992.73	1877.04	1761.35	1614.66	1495.10

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1252.65	1090.24	1090.24	942.45	820.40	702.22	594.55	497.85	388.53
45.0	1518.90	1365.02	1244.90	1123.68	1004.11	853.55	737.86	629.92	505.93
90.0	1234.39	1081.44	1081.44	933.65	813.59	699.61	596.10	478.37	394.78
135.0	1486.24	1330.15	1206.15	1082.72	958.17	807.06	691.92	588.41	497.08
180.0	1652.30	1528.87	1375.54	1249.88	1113.71	981.97	822.00	704.10	596.16
225.0	1508.39	1384.95	1096.78	1096.78	965.59	802.13	679.19	569.04	447.53
270.0	1664.48	1513.92	1391.04	1231.62	1102.64	972.01	813.14	694.13	586.19
315.0	1516.14	1361.15	1078.18	1078.18	949.98	826.87	707.47	600.81	479.25
360.0	1252.65	1090.24	1090.24	942.45	820.40	702.22	594.55	497.85	388.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	316.46	254.74	203.37	154.49	125.76	104.73	85.36	74.23	63.66
45.0	415.71	318.84	285.07	285.07	159.58	124.55	104.51	89.01	77.50
90.0	322.16	248.21	200.60	156.21	129.20	108.27	91.72	76.39	67.31
135.0	393.56	321.60	289.50	289.50	159.92	131.69	105.39	89.51	77.50
180.0	497.63	391.35	318.28	286.73	286.73	155.54	127.53	101.80	86.13
225.0	364.78	295.03	237.58	191.08	146.69	120.34	101.02	85.69	71.68
270.0	489.33	383.05	311.64	280.09	280.09	150.73	123.55	102.85	83.92
315.0	395.34	323.38	261.82	199.55	161.02	130.80	103.90	88.18	74.01
360.0	316.46	254.74	203.37	154.49	125.76	104.73	85.36	74.23	63.66

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	57.12	51.81	46.28	42.62	39.58	36.98	34.21	32.33	30.78
45.0	66.26	59.45	53.75	48.93	43.84	40.57	37.81	34.87	32.88
90.0	60.17	54.63	48.71	44.89	41.57	38.69	35.70	33.60	31.44
135.0	66.42	59.62	54.19	49.54	44.67	41.35	38.53	36.15	33.54
180.0	71.90	63.66	57.18	51.98	47.55	42.95	39.80	37.14	34.87
225.0	63.49	55.63	50.54	46.33	41.90	38.97	36.48	33.71	31.99
270.0	72.96	64.49	56.29	51.15	46.77	42.40	39.36	36.87	34.60
315.0	65.48	58.73	53.36	47.77	44.01	40.85	38.08	35.15	33.16
360.0	57.12	51.81	46.28	42.62	39.58	36.98	34.21	32.33	30.78

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.34	27.73	26.68	25.63	24.47	23.69	22.97	22.03	21.42
45.0	30.83	29.34	28.01	26.68	25.63	24.69	23.86	22.86	22.09
90.0	29.95	28.51	27.07	25.96	25.08	23.97	23.14	22.36	21.70
135.0	31.83	30.22	28.51	27.29	25.96	25.02	24.08	23.30	22.31
180.0	32.38	30.72	28.95	27.62	26.51	25.30	24.36	23.64	22.69
225.0	30.33	28.89	27.34	26.24	25.24	24.36	23.41	22.64	22.03
270.0	32.22	30.61	29.12	27.79	26.46	25.41	24.41	23.58	22.81
315.0	31.50	30.00	28.29	27.18	25.85	24.91	23.97	23.08	22.36
360.0	29.34	27.73	26.68	25.63	24.47	23.69	22.97	22.03	21.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.65	20.09	19.54	19.04	18.54	17.93	17.38	16.94	16.50
45.0	21.48	20.81	20.09	19.54	19.04	18.38	17.93	17.27	16.83
90.0	20.87	20.26	19.71	19.21	18.49	17.99	17.49	16.88	16.38
135.0	21.64	20.98	20.43	19.65	19.15	18.65	18.05	17.49	17.05
180.0	21.98	21.37	20.70	20.20	19.48	18.99	18.49	17.88	17.44
225.0	21.20	20.59	19.93	19.43	18.93	18.43	17.82	17.38	16.88
270.0	21.98	21.31	20.70	20.15	19.54	18.99	18.49	17.99	17.44
315.0	21.70	21.03	20.31	19.76	19.21	18.71	18.10	17.60	17.16
360.0	20.65	20.09	19.54	19.04	18.54	17.93	17.38	16.94	16.50

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.94	15.50	15.00	14.56	14.17	13.67	13.28	12.84	12.34
45.0	16.38	15.94	15.39	15.00	14.50	14.12	13.62	13.28	12.84
90.0	15.89	15.50	15.00	14.56	14.06	13.67	13.23	12.79	12.29
135.0	16.44	15.94	15.50	14.89	14.50	14.12	13.56	13.17	12.73
180.0	16.99	16.38	15.94	15.39	15.00	14.56	14.06	13.56	13.17
225.0	16.38	15.94	15.50	15.06	14.61	14.12	13.62	13.17	12.73
270.0	16.99	16.50	15.89	15.55	15.11	14.56	14.12	13.56	13.12
315.0	16.61	16.05	15.67	15.11	14.67	14.12	13.67	13.28	12.84
360.0	15.94	15.50	15.00	14.56	14.17	13.67	13.28	12.84	12.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.01	11.62	11.35	11.02	10.74	10.52	10.24	10.07	9.96
45.0	12.40	11.96	11.46	11.18	10.90	10.63	10.41	10.13	9.91
90.0	11.96	11.57	11.24	10.96	10.68	10.46	10.24	9.96	9.91
135.0	12.29	11.96	11.51	11.13	10.90	10.63	10.35	10.13	9.85
180.0	12.79	12.34	11.96	11.51	11.18	10.96	10.68	10.46	10.19
225.0	12.29	12.01	11.62	11.29	11.02	10.68	10.52	10.30	9.96
270.0	12.79	12.34	11.90	11.57	11.18	10.90	10.63	10.35	10.13
315.0	12.40	11.96	11.68	11.29	10.96	10.74	10.52	10.24	10.07
360.0	12.01	11.62	11.35	11.02	10.74	10.52	10.24	10.07	9.96

Intensity data(cd)

C/γ(°)	90.0
0.0	9.96
45.0	9.85
90.0	9.85
135.0	9.85
180.0	9.91
225.0	9.91
270.0	9.96
315.0	9.85
360.0	9.96