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NT

Client:
LumCAT: 1-1383-L
Luminaire: 92.70.427.00
Report No: 20231110-B002
Ballast type: AC

Test No: 20231110-C002	Voltage(V): 34.700
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1750.7	Power (W): 11.104
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1656.18, Efficiency(%): 94.60% , Luminous Efficacy(lm/W): 149.15
Central intensity(cd): 3326.613, Maximum intensity(cd): 3326.613
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=41.6
[C90/270]Total=41.6
Field angle(10%Imax): [C0/180]Total=64.4
[C90/270]Total=64.4
Beam angle of C0 plane : 41.51
Aveage BeamAngle(IEC 61341):41.51
Maximum s/h(1/2): C0_180=0.68 C90_270=0.68
Maximum s/h(1/4): C0_180=0.65 C90_270=0.65
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.089%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3326.613	0.000	0	0.00%	0.00%
1.0	3323.223	3.182	3.182	0.18%	0.19%
2.0	3313.466	9.526	12.707	0.54%	0.77%
3.0	3298.383	15.813	28.521	0.90%	1.72%
4.0	3276.449	22.008	50.529	1.26%	3.05%
5.0	3241.022	28.038	78.567	1.60%	4.74%
6.0	3197.016	33.834	112.4	1.93%	6.79%
7.0	3151.626	39.406	151.806	2.25%	9.17%
8.0	3101.808	44.755	196.561	2.56%	11.87%
9.0	3043.410	49.804	246.364	2.84%	14.88%
10.0	2976.986	54.482	300.847	3.11%	18.17%
11.0	2908.832	58.811	359.658	3.36%	21.72%
12.0	2822.895	62.656	422.314	3.58%	25.50%
13.0	2728.656	65.883	488.197	3.76%	29.48%
14.0	2618.986	68.449	556.647	3.91%	33.61%
15.0	2501.914	70.302	626.949	4.02%	37.86%
16.0	2367.819	71.355	698.304	4.08%	42.16%
17.0	2224.315	71.512	769.816	4.08%	46.48%
18.0	2079.566	70.962	840.777	4.05%	50.77%
19.0	1928.312	69.729	910.506	3.98%	54.98%
20.0	1781.002	67.891	978.397	3.88%	59.08%
21.0	1624.767	65.398	1043.795	3.74%	63.02%
22.0	1427.777	61.342	1105.137	3.50%	66.73%
23.0	1285.975	56.942	1162.079	3.25%	70.17%
24.0	1170.500	53.707	1215.786	3.07%	73.41%
25.0	1069.722	50.938	1266.724	2.91%	76.48%
26.0	950.636	47.691	1314.414	2.72%	79.36%
27.0	833.639	43.653	1358.067	2.49%	82.00%
28.0	726.585	39.502	1397.569	2.26%	84.38%
29.0	615.442	35.111	1432.68	2.01%	86.50%
30.0	518.061	30.604	1463.284	1.75%	88.35%
31.0	421.884	26.157	1489.442	1.49%	89.93%
32.0	345.815	21.994	1511.435	1.26%	91.26%
33.0	270.658	18.162	1529.597	1.04%	92.36%
34.0	228.645	15.110	1544.707	0.86%	93.27%
35.0	175.651	12.556	1557.263	0.72%	94.03%
36.0	114.222	9.230	1566.493	0.53%	94.58%
37.0	81.557	6.385	1572.878	0.36%	94.97%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	67.241	4.967	1577.845	0.28%	95.27%
39.0	57.056	4.243	1582.087	0.24%	95.53%
40.0	50.220	3.741	1585.829	0.21%	95.75%
41.0	44.214	3.363	1589.191	0.19%	95.96%
42.0	39.398	3.038	1592.229	0.17%	96.14%
43.0	35.011	2.756	1594.985	0.16%	96.30%
44.0	31.718	2.519	1597.504	0.14%	96.46%
45.0	28.666	2.321	1599.824	0.13%	96.60%
46.0	26.307	2.150	1601.974	0.12%	96.73%
47.0	24.446	2.019	1603.993	0.12%	96.85%
48.0	22.916	1.915	1605.908	0.11%	96.96%
49.0	21.623	1.829	1607.737	0.10%	97.07%
50.0	20.425	1.753	1609.49	0.10%	97.18%
51.0	19.457	1.687	1611.177	0.10%	97.28%
52.0	18.620	1.634	1612.811	0.09%	97.38%
53.0	17.872	1.587	1614.398	0.09%	97.48%
54.0	17.187	1.545	1615.944	0.09%	97.57%
55.0	16.571	1.507	1617.45	0.09%	97.66%
56.0	16.011	1.472	1618.923	0.08%	97.75%
57.0	15.541	1.443	1620.365	0.08%	97.84%
58.0	15.056	1.415	1621.78	0.08%	97.92%
59.0	14.620	1.387	1623.168	0.08%	98.01%
60.0	14.205	1.362	1624.53	0.08%	98.09%
61.0	13.852	1.339	1625.868	0.08%	98.17%
62.0	13.492	1.318	1627.186	0.08%	98.25%
63.0	13.160	1.296	1628.482	0.07%	98.33%
64.0	12.849	1.276	1629.759	0.07%	98.40%
65.0	12.572	1.258	1631.017	0.07%	98.48%
66.0	12.282	1.240	1632.257	0.07%	98.56%
67.0	12.005	1.221	1633.478	0.07%	98.63%
68.0	11.714	1.202	1634.679	0.07%	98.70%
69.0	11.424	1.180	1635.86	0.07%	98.77%
70.0	11.175	1.161	1637.02	0.07%	98.84%
71.0	10.905	1.141	1638.162	0.07%	98.91%
72.0	10.656	1.121	1639.283	0.06%	98.98%
73.0	10.434	1.103	1640.386	0.06%	99.05%
74.0	10.199	1.085	1641.47	0.06%	99.11%
75.0	9.950	1.065	1642.535	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.721	1.044	1643.579	0.06%	99.24%
77.0	9.521	1.026	1644.605	0.06%	99.30%
78.0	9.299	1.007	1645.612	0.06%	99.36%
79.0	9.064	0.987	1646.599	0.06%	99.42%
80.0	8.829	0.965	1647.564	0.06%	99.48%
81.0	8.614	0.943	1648.507	0.05%	99.54%
82.0	8.421	0.924	1649.431	0.05%	99.59%
83.0	8.220	0.905	1650.335	0.05%	99.65%
84.0	8.012	0.884	1651.22	0.05%	99.70%
85.0	7.839	0.865	1652.085	0.05%	99.75%
86.0	7.673	0.848	1652.933	0.05%	99.80%
87.0	7.528	0.832	1653.765	0.05%	99.85%
88.0	7.417	0.819	1654.584	0.05%	99.90%
89.0	7.272	0.805	1655.389	0.05%	99.95%
90.0	7.196	0.793	1656.182	0.05%	100.00%

Zonal flux distribution table

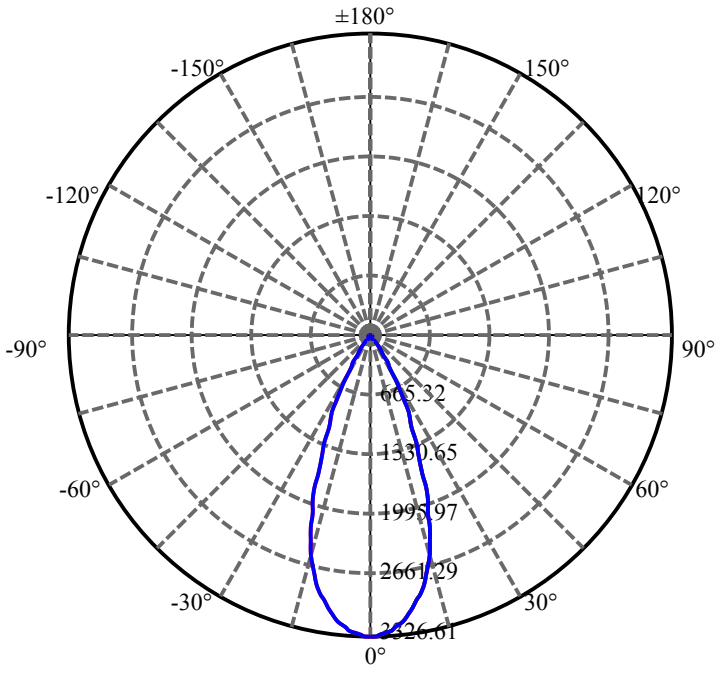
ZONAL LUMEN SUMMARY

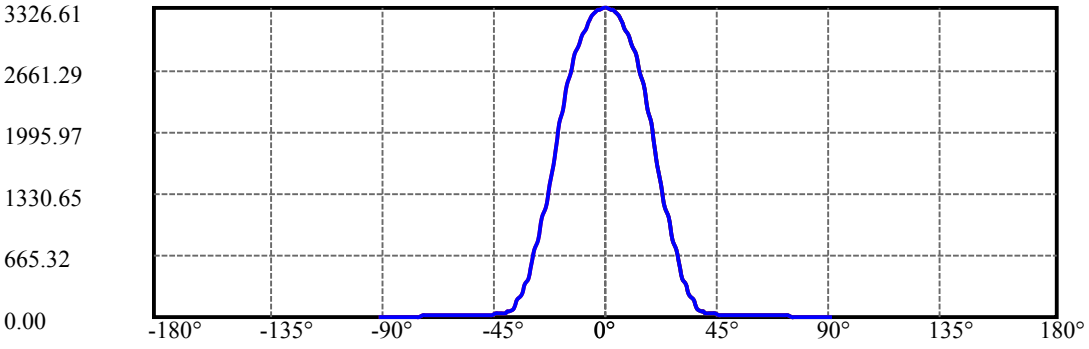
Zone	Lumens	%Lamp	%Fixt
0-30	1463.28	83.59%	88.35%
0-40	1585.83	90.59%	95.75%
0-60	1624.53	92.80%	98.09%
0-90	1655.39	94.56%	99.95%
0-120	1655.39	94.56%	99.95%
0-180	1656.18	94.60%	100.00%
60-90	30.86	1.76%	1.86%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.24	1324.95	75.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	300.85
10-20	677.55
20-30	484.89
30-40	122.54
40-50	23.66
50-60	15.04
60-70	12.49
70-80	10.54
80-90	7.82
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):

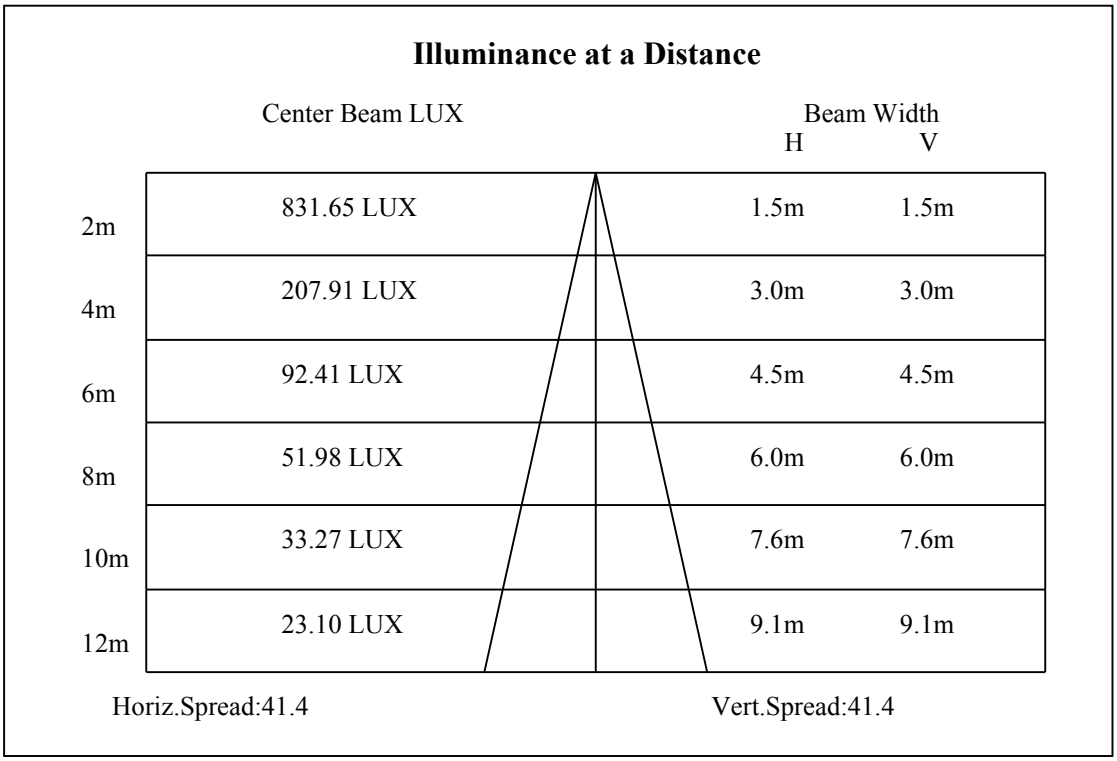
C0/C180:

C90/C270:

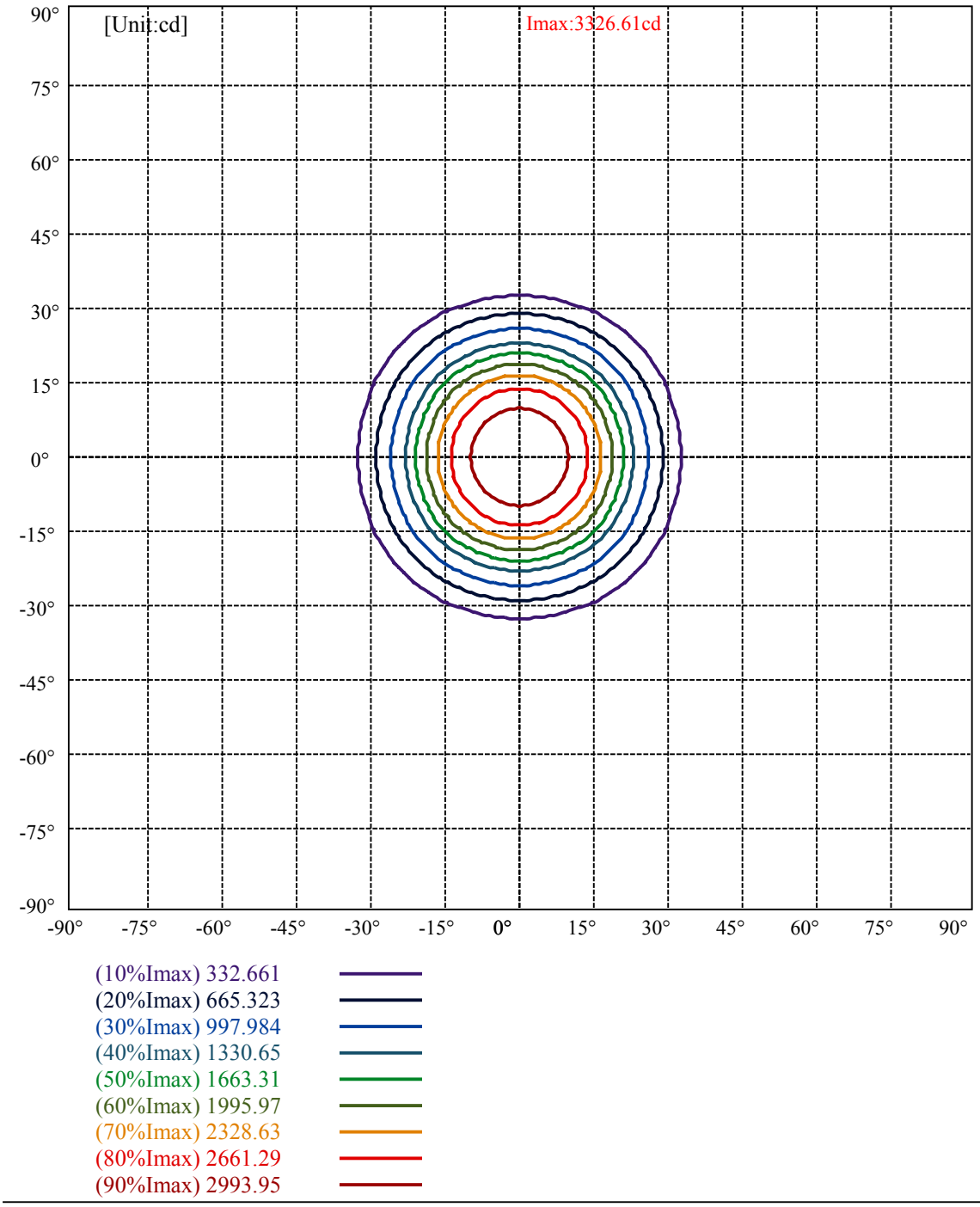
Field angle(10%Imax):C0/180Left:32.2 Right:32.2
:C90/270Left:32.2 Right:32.2

Beam Angle(50%Imax):C0/180Left:20.8 Right:20.8
:C90/270Left:20.8 Right:20.8

Lux distance Curve



ISO-Intensity(V-H)

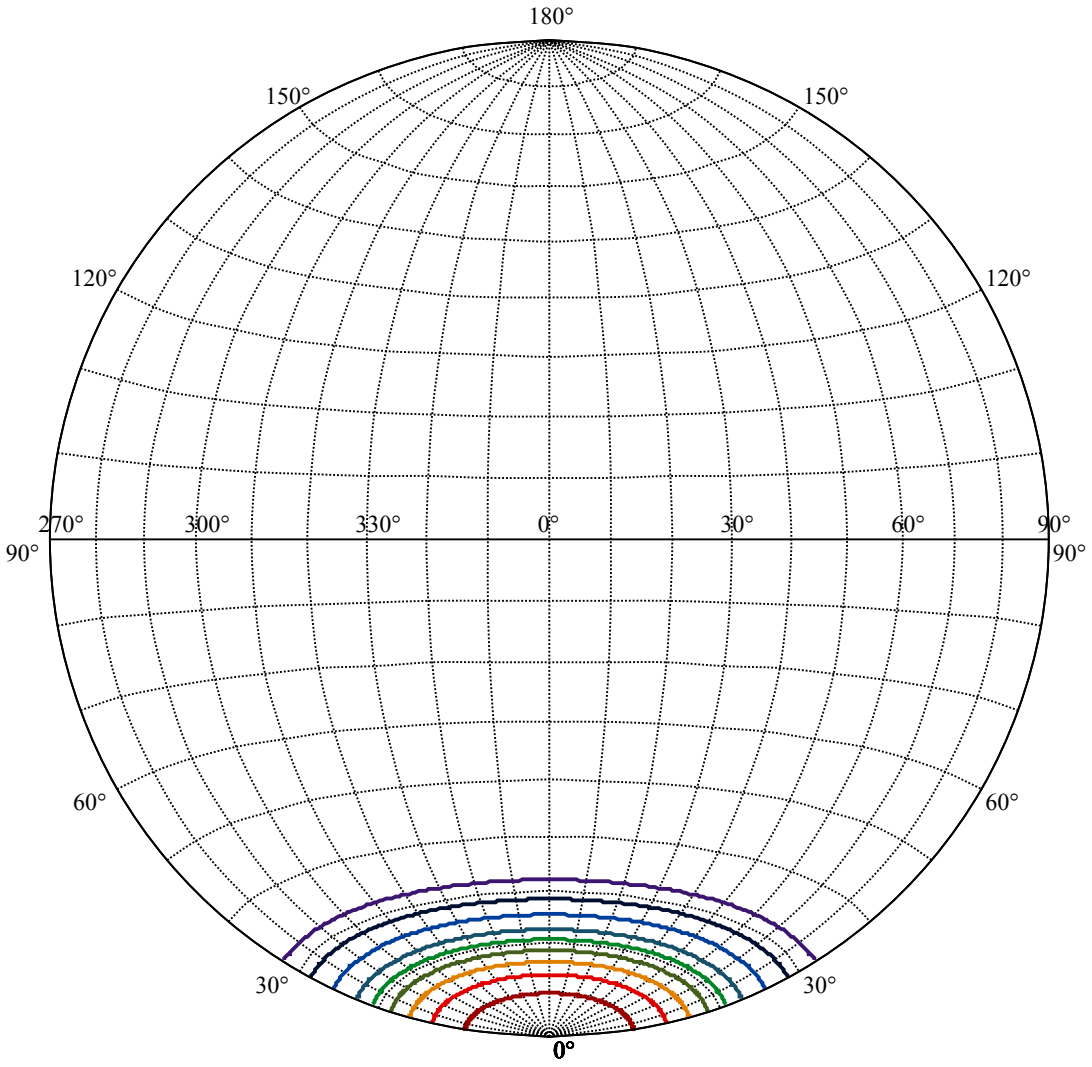


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

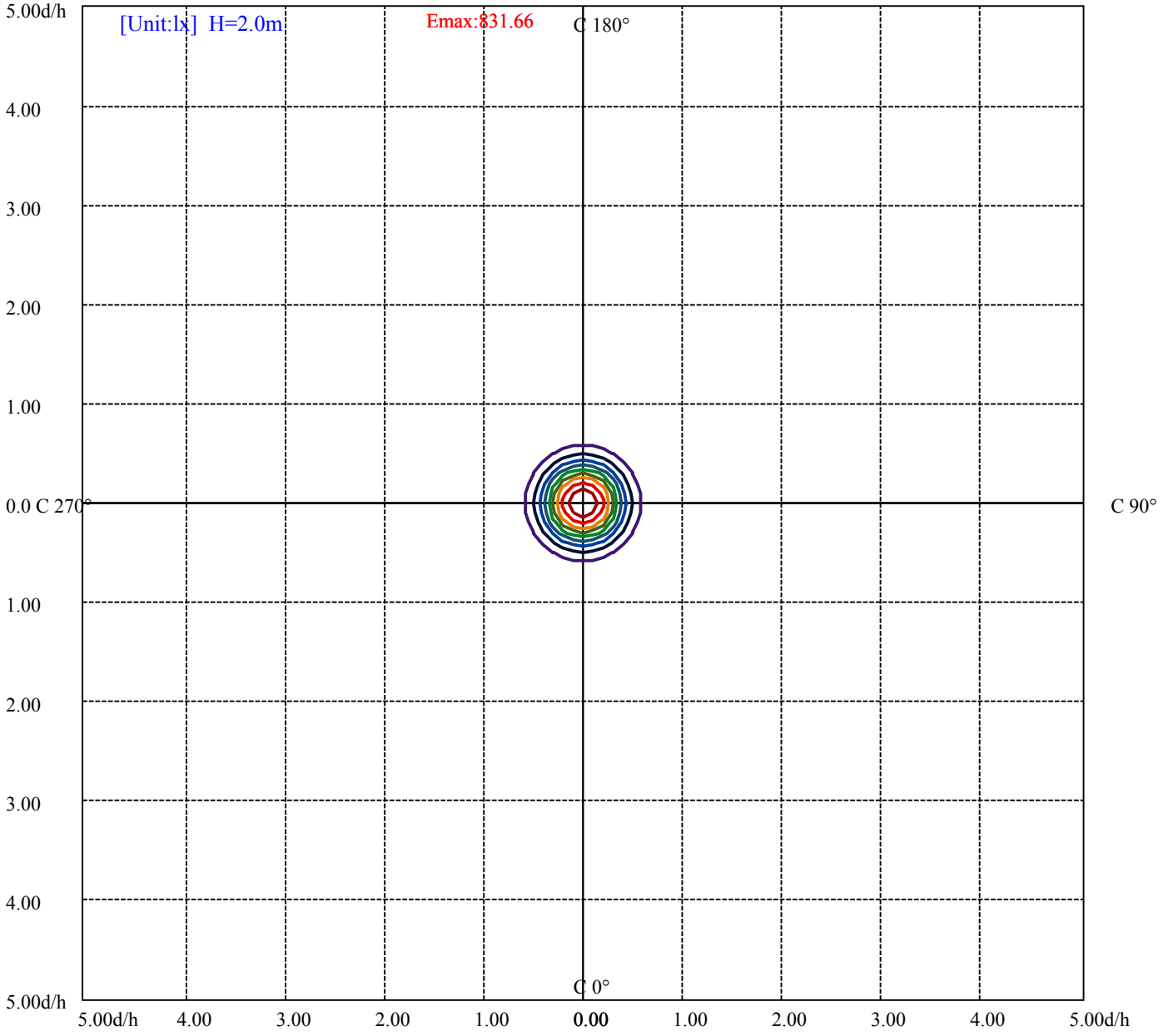
Imax:3326.61

(10%Imax) 332.661
(20%Imax) 665.323
(30%Imax) 997.984
(40%Imax) 1330.65
(50%Imax) 1663.31
(60%Imax) 1995.97
(70%Imax) 2328.63
(80%Imax) 2661.29
(90%Imax) 2993.95

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

NT 1-1383-L

ISO illuminance diagram

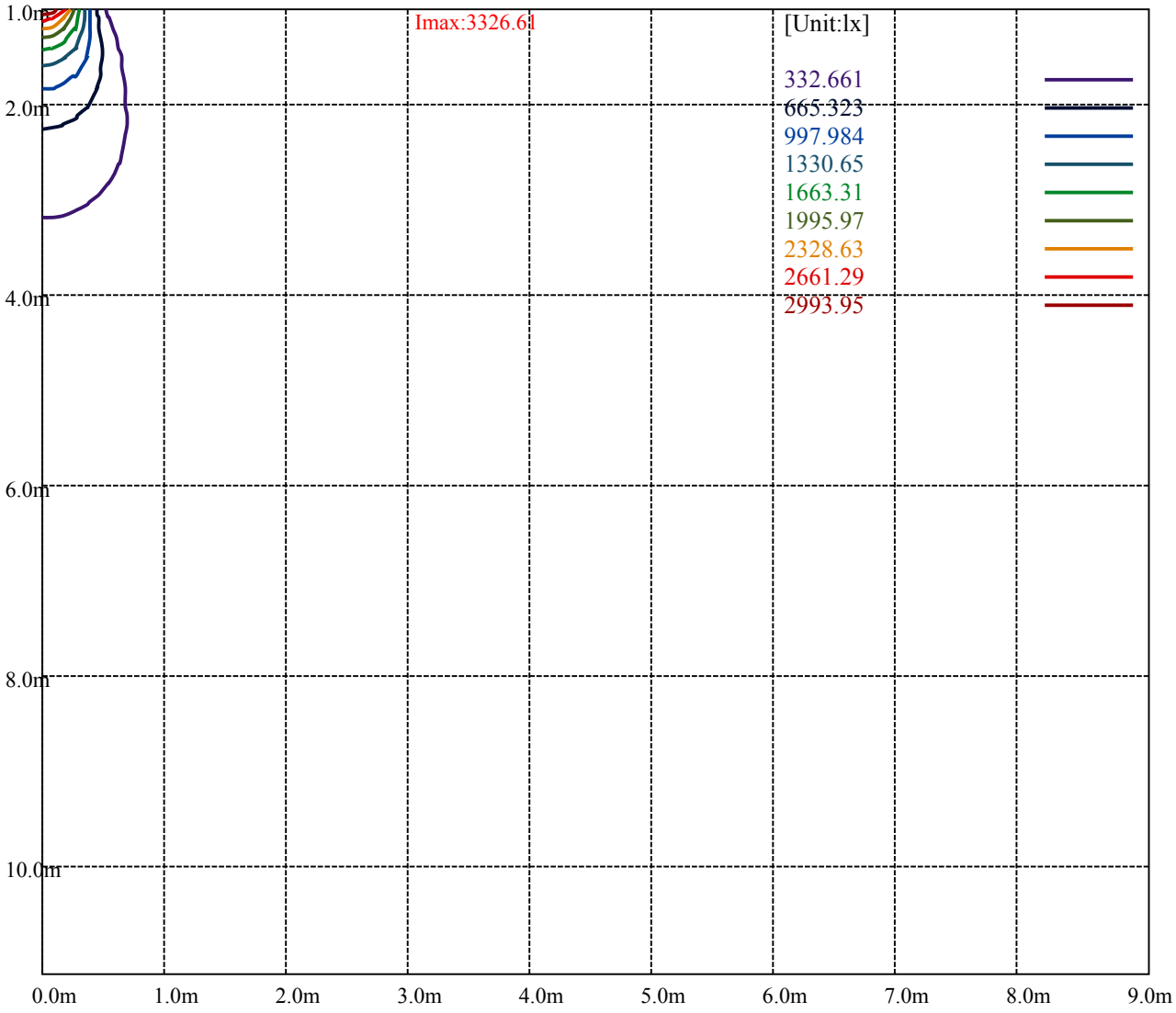


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 1-1383-L

Luminance Limitting Curve(no luminous side)

Luminance Table

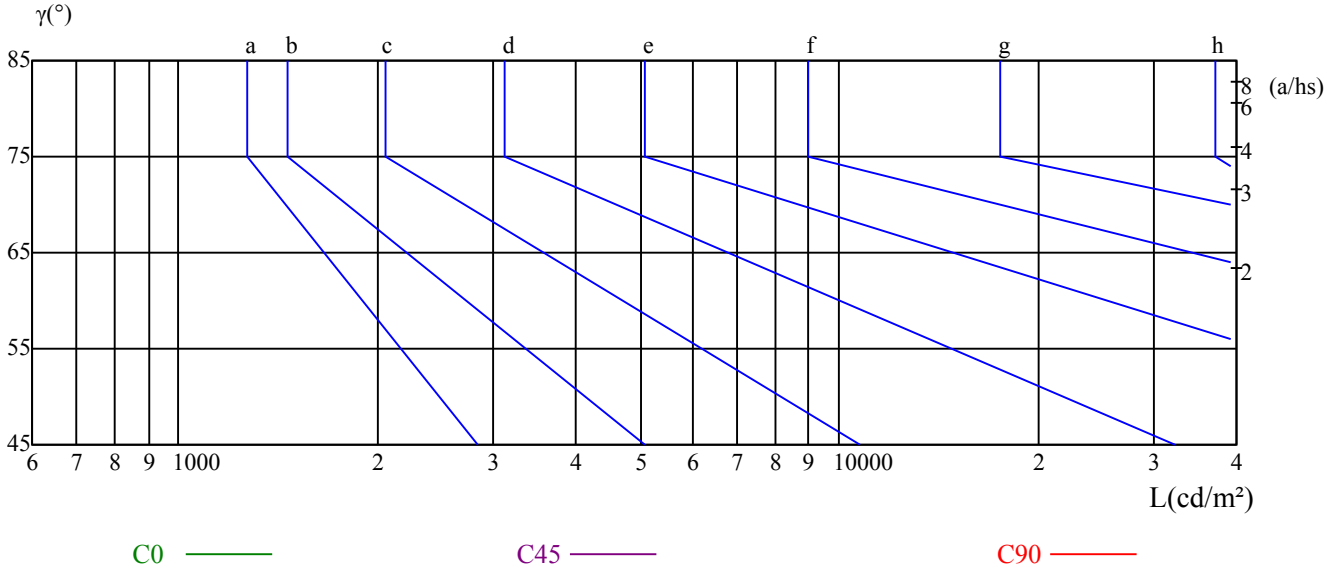
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

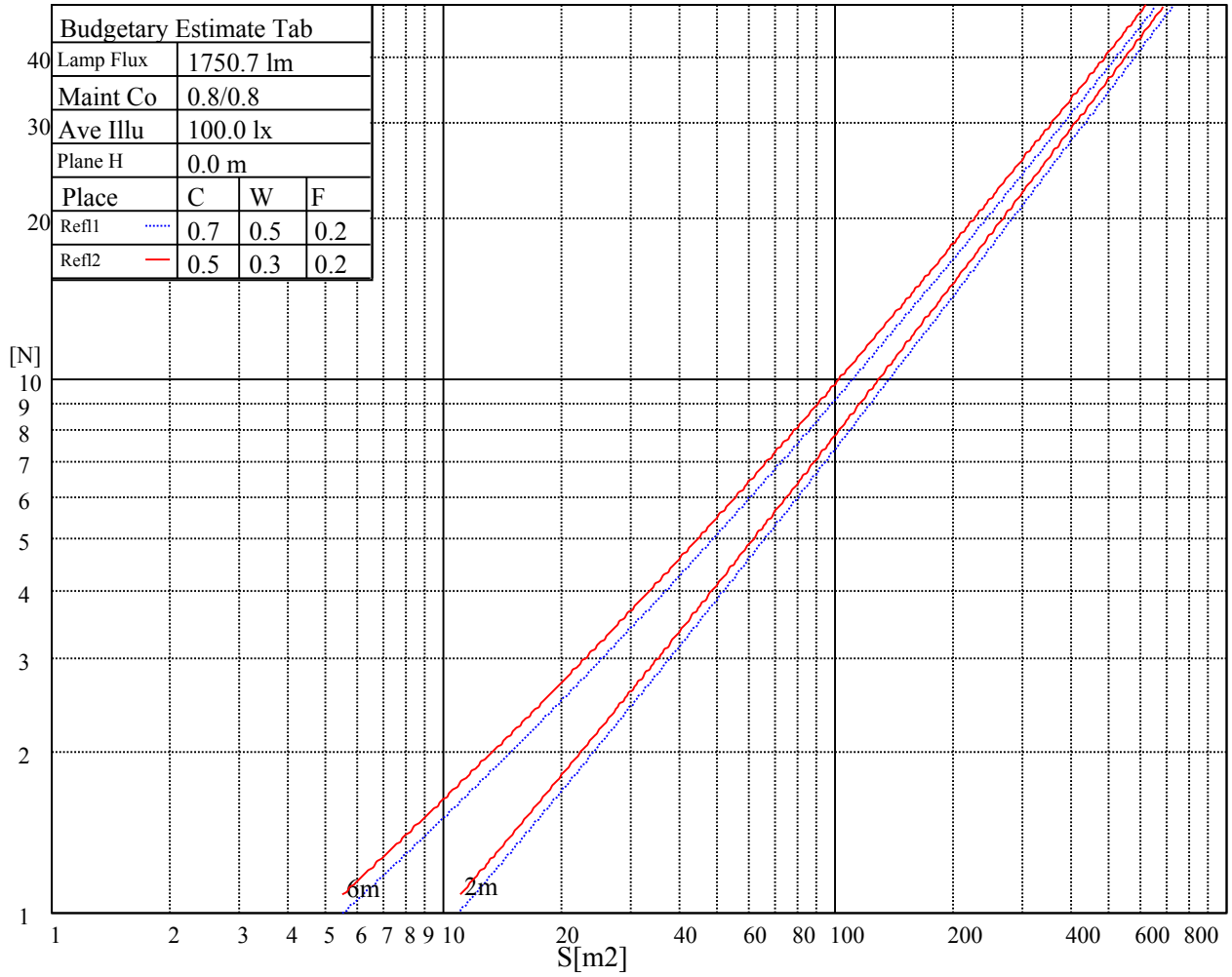
Luminance Limitting Curve



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

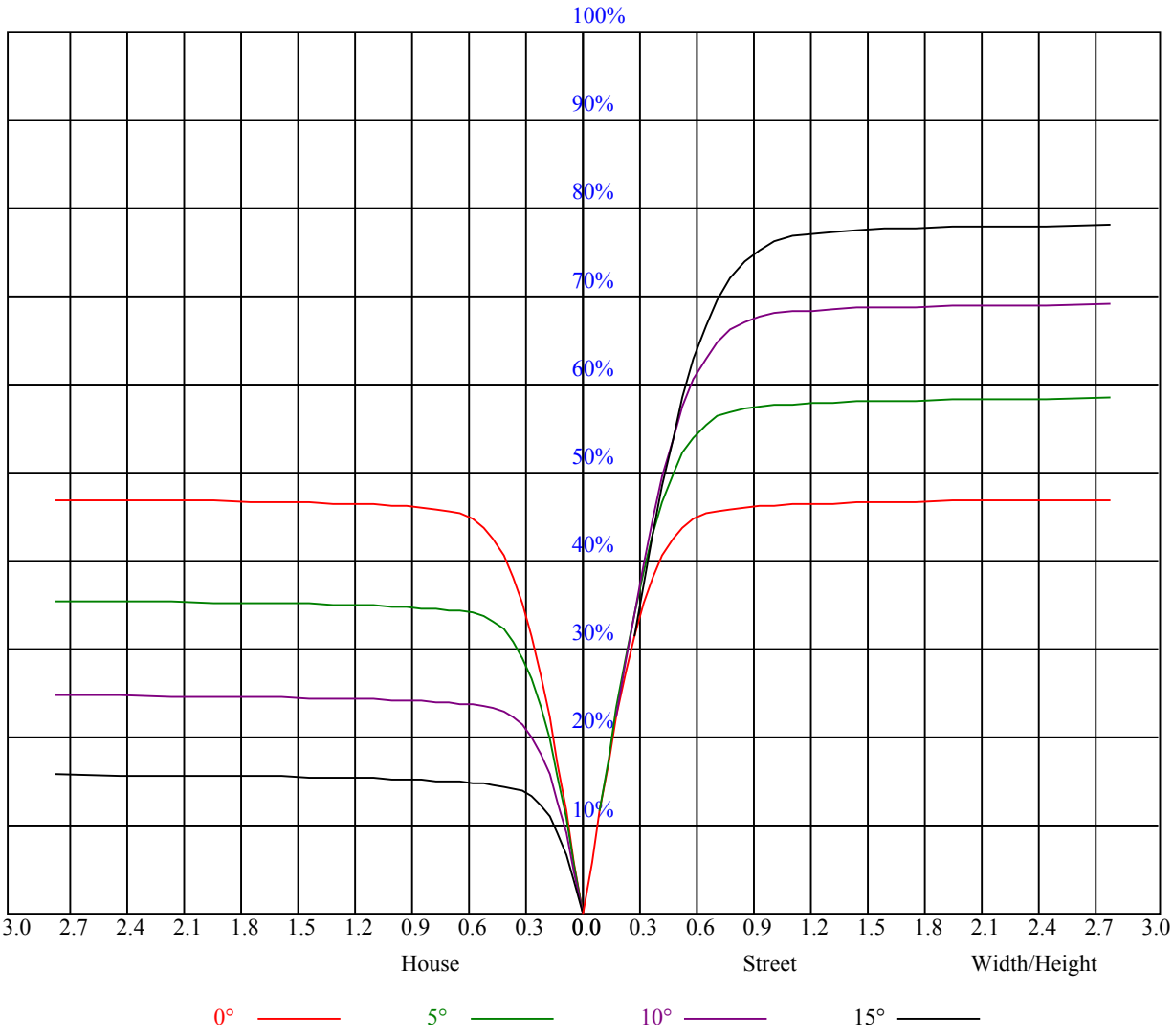


Equipment: GMS1980 Date: 2023/11/10 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	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	0.84
3	0.94	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
6	0.80	0.75	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.68	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
8	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
9	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/10	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	3332.29	3312.36	3295.75	3269.18	3241.51	3193.90	3147.96	3099.25	3049.43
45.0	3332.29	3319.00	3305.72	3283.58	3263.09	3242.06	3199.99	3160.14	3105.89
90.0	3317.34	3311.25	3289.66	3269.74	3245.38	3192.24	3142.98	3088.73	3038.36
135.0	3324.54	3324.54	3319.56	3309.04	3276.38	3221.03	3176.74	3129.14	3069.91
180.0	3332.29	3333.39	3336.72	3333.39	3327.86	3307.38	3257.01	3215.49	3168.99
225.0	3332.29	3328.97	3316.23	3307.93	3291.88	3263.65	3215.49	3173.42	3125.82
270.0	3317.34	3331.18	3326.75	3321.22	3303.50	3273.06	3242.06	3196.12	3155.71
315.0	3324.54	3325.09	3317.34	3292.99	3261.99	3234.86	3193.90	3150.73	3100.36
360.0	3332.29	3312.36	3295.75	3269.18	3241.51	3193.90	3147.96	3099.25	3049.43

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2978.02	2912.15	2815.28	2720.08	2620.99	2484.82	2364.15	2223.55	2054.73
45.0	3059.95	2995.74	2933.19	2845.73	2768.79	2679.67	2552.91	2434.45	2272.27
90.0	2979.13	2896.10	2815.84	2722.84	2624.87	2493.68	2371.35	2238.50	2101.22
135.0	3012.90	2954.78	2896.10	2797.02	2696.27	2588.89	2474.31	2315.99	2178.16
180.0	3104.23	3051.64	2994.63	2925.99	2830.23	2735.02	2631.51	2511.39	2360.28
225.0	3079.32	3009.02	2944.81	2872.30	2783.73	2666.38	2559.00	2422.83	2298.28
270.0	3112.53	3046.66	2991.31	2917.69	2820.27	2720.08	2622.65	2480.39	2353.64
315.0	3021.20	2949.79	2879.49	2781.52	2684.10	2583.35	2439.43	2315.44	2175.95
360.0	2978.02	2912.15	2815.28	2720.08	2620.99	2484.82	2364.15	2223.55	2054.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1908.59	1761.35	1620.75	1439.19	1084.93	1084.93	1056.53	951.31	823.66
45.0	2143.29	2001.59	1854.35	1670.02	1521.67	1376.09	1236.60	1079.40	962.05
90.0	1927.41	1789.58	1648.43	1472.96	1236.05	1083.82	1055.32	945.00	837.72
135.0	2041.44	1868.74	1729.25	1590.86	1418.71	1288.08	1169.07	1034.56	934.37
180.0	2223.00	2051.40	1906.93	1767.44	1593.08	1465.76	1321.29	1199.51	1058.36
225.0	2165.99	1996.60	1855.45	1713.19	1537.72	1397.12	1098.16	1098.16	1007.32
270.0	2227.98	2103.99	1923.54	1776.30	1637.91	1500.08	1335.13	1208.37	1063.90
315.0	1998.82	1853.24	1709.32	1568.17	1392.14	1091.91	1091.91	1041.48	917.71
360.0	1908.59	1761.35	1620.75	1439.19	1084.93	1084.93	1056.53	951.31	823.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	716.83	618.91	510.42	429.38	338.21	272.51	211.34	145.14	103.51
45.0	850.78	738.97	612.21	520.88	416.26	342.64	291.16	291.16	142.42
90.0	703.21	602.75	511.19	428.33	334.50	267.36	205.25	153.00	103.23
135.0	829.20	727.35	611.66	524.20	441.72	366.99	282.30	282.30	208.90
180.0	952.64	843.59	736.20	621.07	532.50	442.83	347.07	280.64	280.64
225.0	850.56	731.61	622.84	519.00	406.24	327.20	241.56	183.55	136.94
270.0	950.42	835.29	724.03	595.60	499.29	410.72	314.96	281.20	281.20
315.0	815.47	714.23	595.00	506.04	406.35	336.27	271.62	212.17	148.35
360.0	716.83	618.91	510.42	429.38	338.21	272.51	211.34	145.14	103.51

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	77.50	64.49	54.14	48.16	43.23	38.97	34.37	31.22	28.62
45.0	101.74	71.24	58.95	50.59	44.50	38.97	35.09	31.72	28.89
90.0	78.99	64.71	53.86	47.49	42.35	37.03	33.38	29.45	26.96
135.0	110.71	86.19	72.40	60.11	53.03	45.89	41.18	37.09	33.32
180.0	201.71	107.16	84.58	68.86	59.56	52.64	45.39	40.35	36.26
225.0	96.98	79.16	67.59	56.29	49.49	43.90	39.19	34.37	31.05
270.0	136.78	95.82	77.11	66.59	57.68	49.54	44.50	38.91	35.20
315.0	109.38	83.69	69.30	58.34	51.92	46.77	42.07	36.98	33.43
360.0	77.50	64.49	54.14	48.16	43.23	38.97	34.37	31.22	28.62

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	26.07	24.30	22.97	21.53	20.48	19.37	18.65	17.99	17.38
45.0	25.96	24.08	22.53	21.26	19.98	19.10	18.16	17.55	16.94
90.0	24.91	23.25	21.59	20.54	19.54	18.71	17.77	17.16	16.66
135.0	29.61	27.40	25.41	23.86	22.14	20.98	20.04	19.15	18.21
180.0	32.60	28.95	26.74	24.85	23.36	21.75	20.65	19.65	18.60
225.0	28.34	26.18	23.97	22.58	21.48	20.15	19.21	18.27	17.60
270.0	31.88	28.56	26.57	24.80	23.41	21.92	20.81	19.87	19.04
315.0	29.95	27.73	25.79	23.91	22.58	21.42	20.37	19.32	18.54
360.0	26.07	24.30	22.97	21.53	20.48	19.37	18.65	17.99	17.38

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.66	16.16	15.72	15.28	14.83	14.34	14.00	13.67	13.28
45.0	16.33	15.83	15.39	15.06	14.56	14.17	13.89	13.51	13.17
90.0	16.11	15.50	15.11	14.61	14.23	13.95	13.51	13.23	12.95
135.0	17.60	16.83	16.27	15.83	15.22	14.83	14.39	14.06	13.62
180.0	17.88	17.21	16.50	15.94	15.50	14.95	14.56	14.23	13.84
225.0	16.94	16.44	15.78	15.33	14.95	14.56	14.12	13.73	13.40
270.0	18.16	17.44	16.88	16.33	15.72	15.28	14.72	14.34	14.00
315.0	17.82	17.16	16.44	15.94	15.44	14.89	14.45	14.06	13.67
360.0	16.66	16.16	15.72	15.28	14.83	14.34	14.00	13.67	13.28

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.01	12.62	12.34	12.07	11.73	11.46	11.18	10.96	10.63
45.0	12.90	12.62	12.34	12.12	11.85	11.57	11.29	11.07	10.79
90.0	12.68	12.34	12.12	11.85	11.62	11.29	11.02	10.79	10.52
135.0	13.28	13.01	12.73	12.40	12.07	11.85	11.51	11.29	11.02
180.0	13.45	13.17	12.90	12.68	12.34	12.07	11.79	11.46	11.24
225.0	13.12	12.79	12.51	12.18	11.96	11.68	11.35	11.13	10.85
270.0	13.56	13.28	12.95	12.62	12.40	12.07	11.79	11.51	11.24
315.0	13.28	12.95	12.68	12.34	12.07	11.73	11.46	11.18	10.96
360.0	13.01	12.62	12.34	12.07	11.73	11.46	11.18	10.96	10.63

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.41	10.19	9.96	9.69	9.52	9.30	9.02	8.80	8.52
45.0	10.57	10.35	10.13	9.85	9.69	9.52	9.30	9.08	8.91
90.0	10.35	10.13	9.85	9.69	9.47	9.24	9.02	8.86	8.64
135.0	10.74	10.52	10.24	9.96	9.74	9.58	9.30	9.08	8.86
180.0	10.96	10.74	10.52	10.30	9.96	9.74	9.58	9.30	9.02
225.0	10.57	10.35	10.19	9.91	9.69	9.47	9.30	9.08	8.80
270.0	10.96	10.74	10.46	10.24	9.96	9.80	9.58	9.30	9.08
315.0	10.68	10.46	10.24	9.96	9.74	9.52	9.30	9.02	8.80
360.0	10.41	10.19	9.96	9.69	9.52	9.30	9.02	8.80	8.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.36	8.25	8.03	7.80	7.69	7.53	7.36	7.25	7.14
45.0	8.64	8.41	8.19	8.03	7.86	7.69	7.53	7.42	7.25
90.0	8.47	8.19	8.03	7.86	7.69	7.53	7.42	7.31	7.20
135.0	8.64	8.47	8.19	8.03	7.80	7.69	7.53	7.53	7.20
180.0	8.86	8.58	8.47	8.19	7.97	7.80	7.64	7.53	7.53
225.0	8.58	8.41	8.14	7.97	7.80	7.64	7.53	7.36	7.20
270.0	8.86	8.64	8.47	8.25	8.03	7.86	7.69	7.53	7.42
315.0	8.52	8.41	8.25	7.97	7.86	7.64	7.53	7.42	7.25
360.0	8.36	8.25	8.03	7.80	7.69	7.53	7.36	7.25	7.14

Intensity data(cd)

C/γ(°)	90.0
0.0	7.20
45.0	7.20
90.0	7.25
135.0	7.25
180.0	7.14
225.0	7.20
270.0	7.20
315.0	7.14
360.0	7.20