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

NT

Client:
LumCAT: 1-1378-L
Luminaire: 92.70.427.00
Report No: 20231115-B014
Ballast type: AC

Test No: 20231115-C014	Voltage(V): 34.010
LampCAT: Fortimo_SLM_C_1202	Current(A): 0.145
Lamp flux(lm): 832.3	Power (W): 9.931
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 761.57, Efficiency(%): 91.50% , Luminous Efficacy(lm/W): 76.69
Central intensity(cd): 2517.067, Maximum intensity(cd): 2517.067
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.8
[C90/270]Total=26.8
Field angle(10%Imax): [C0/180]Total=56.2
[C90/270]Total=56.2
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.48 C90_270=0.48
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.50%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.115%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2517.067	0.000	0	0.00%	0.00%
1.0	2504.404	2.403	2.403	0.29%	0.32%
2.0	2471.538	7.142	9.545	0.86%	1.25%
3.0	2421.651	11.703	21.248	1.41%	2.79%
4.0	2350.314	15.973	37.221	1.92%	4.89%
5.0	2268.944	19.872	57.093	2.39%	7.50%
6.0	2169.031	23.323	80.415	2.80%	10.56%
7.0	2066.557	26.290	106.706	3.16%	14.01%
8.0	1954.674	28.779	135.485	3.46%	17.79%
9.0	1831.581	30.686	166.17	3.69%	21.82%
10.0	1715.754	32.102	198.272	3.86%	26.03%
11.0	1589.271	33.024	231.296	3.97%	30.37%
12.0	1452.963	33.256	264.552	4.00%	34.74%
13.0	1308.531	32.772	297.324	3.94%	39.04%
14.0	1186.760	31.940	329.264	3.84%	43.24%
15.0	1109.930	31.530	360.794	3.79%	47.38%
16.0	1001.506	30.938	391.732	3.72%	51.44%
17.0	904.706	29.685	421.417	3.57%	55.34%
18.0	817.130	28.389	449.806	3.41%	59.06%
19.0	735.241	27.008	476.815	3.24%	62.61%
20.0	661.711	25.568	502.383	3.07%	65.97%
21.0	591.619	24.066	526.449	2.89%	69.13%
22.0	531.741	22.574	549.023	2.71%	72.09%
23.0	475.861	21.142	570.166	2.54%	74.87%
24.0	423.559	19.665	589.83	2.36%	77.45%
25.0	374.322	18.142	607.972	2.18%	79.83%
26.0	328.572	16.592	624.564	1.99%	82.01%
27.0	286.483	15.047	639.612	1.81%	83.99%
28.0	255.907	13.732	653.344	1.65%	85.79%
29.0	226.251	12.615	665.958	1.52%	87.45%
30.0	179.318	10.950	676.909	1.32%	88.88%
31.0	147.822	9.104	686.012	1.09%	90.08%
32.0	124.615	7.805	693.817	0.94%	91.10%
33.0	102.563	6.693	700.51	0.80%	91.98%
34.0	85.217	5.683	706.193	0.68%	92.73%
35.0	69.849	4.816	711.009	0.58%	93.36%
36.0	58.011	4.071	715.08	0.49%	93.90%
37.0	48.095	3.461	718.54	0.42%	94.35%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	40.048	2.942	721.483	0.35%	94.74%
39.0	33.620	2.515	723.997	0.30%	95.07%
40.0	28.590	2.170	726.167	0.26%	95.35%
41.0	24.964	1.907	728.074	0.23%	95.60%
42.0	22.017	1.707	729.781	0.21%	95.83%
43.0	19.768	1.548	731.329	0.19%	96.03%
44.0	17.928	1.423	732.751	0.17%	96.22%
45.0	16.399	1.319	734.07	0.16%	96.39%
46.0	15.146	1.234	735.304	0.15%	96.55%
47.0	13.991	1.159	736.463	0.14%	96.70%
48.0	12.974	1.090	737.553	0.13%	96.85%
49.0	12.019	1.026	738.579	0.12%	96.98%
50.0	11.244	0.970	739.549	0.12%	97.11%
51.0	10.517	0.921	740.47	0.11%	97.23%
52.0	9.860	0.874	741.344	0.11%	97.34%
53.0	9.279	0.833	742.177	0.10%	97.45%
54.0	8.780	0.796	742.973	0.10%	97.56%
55.0	8.345	0.764	743.737	0.09%	97.66%
56.0	7.950	0.736	744.474	0.09%	97.76%
57.0	7.625	0.712	745.186	0.09%	97.85%
58.0	7.348	0.692	745.878	0.08%	97.94%
59.0	7.092	0.675	746.553	0.08%	98.03%
60.0	6.843	0.658	747.212	0.08%	98.12%
61.0	6.642	0.644	747.855	0.08%	98.20%
62.0	6.435	0.630	748.485	0.08%	98.28%
63.0	6.234	0.616	749.101	0.07%	98.36%
64.0	6.047	0.603	749.704	0.07%	98.44%
65.0	5.874	0.590	750.294	0.07%	98.52%
66.0	5.708	0.578	750.872	0.07%	98.60%
67.0	5.522	0.565	751.437	0.07%	98.67%
68.0	5.369	0.552	751.988	0.07%	98.74%
69.0	5.217	0.540	752.528	0.06%	98.81%
70.0	5.065	0.528	753.056	0.06%	98.88%
71.0	4.933	0.517	753.573	0.06%	98.95%
72.0	4.781	0.505	754.078	0.06%	99.02%
73.0	4.643	0.493	754.571	0.06%	99.08%
74.0	4.525	0.482	755.053	0.06%	99.14%
75.0	4.414	0.472	755.525	0.06%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.290	0.462	755.987	0.06%	99.27%
77.0	4.165	0.451	756.438	0.05%	99.33%
78.0	4.089	0.442	756.88	0.05%	99.38%
79.0	3.985	0.434	757.314	0.05%	99.44%
80.0	3.875	0.424	757.738	0.05%	99.50%
81.0	3.799	0.415	758.153	0.05%	99.55%
82.0	3.709	0.407	758.56	0.05%	99.61%
83.0	3.639	0.399	758.959	0.05%	99.66%
84.0	3.570	0.393	759.352	0.05%	99.71%
85.0	3.480	0.385	759.737	0.05%	99.76%
86.0	3.411	0.377	760.114	0.05%	99.81%
87.0	3.363	0.371	760.484	0.04%	99.86%
88.0	3.307	0.365	760.85	0.04%	99.91%
89.0	3.259	0.360	761.21	0.04%	99.95%
90.0	3.245	0.357	761.566	0.04%	100.00%

Zonal flux distribution table

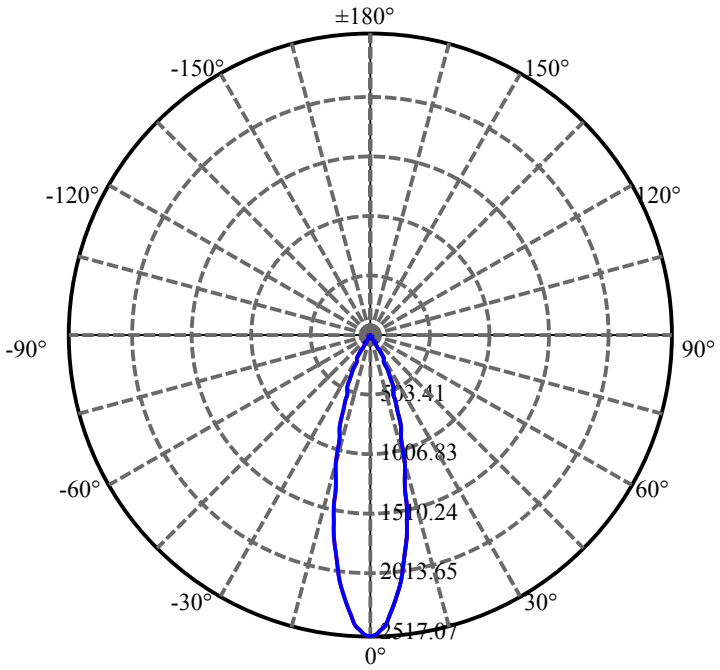
ZONAL LUMEN SUMMARY

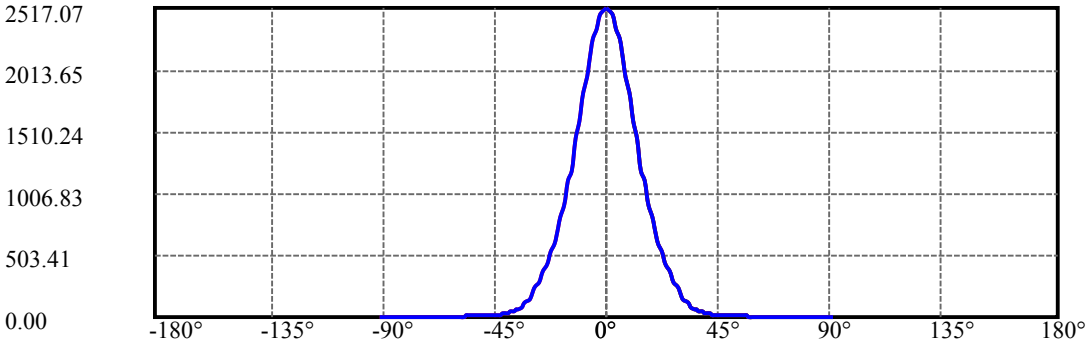
Zone	Lumens	%Lamp	%Fixt
0-30	676.91	81.33%	88.88%
0-40	726.17	87.25%	95.35%
0-60	747.21	89.77%	98.12%
0-90	761.21	91.46%	99.95%
0-120	761.21	91.46%	99.95%
0-180	761.57	91.50%	100.00%
60-90	14.00	1.68%	1.84%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.08	609.25	73.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	198.27
10-20	304.11
20-30	174.53
30-40	49.26
40-50	13.38
50-60	7.66
60-70	5.84
70-80	4.68
80-90	3.47
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):

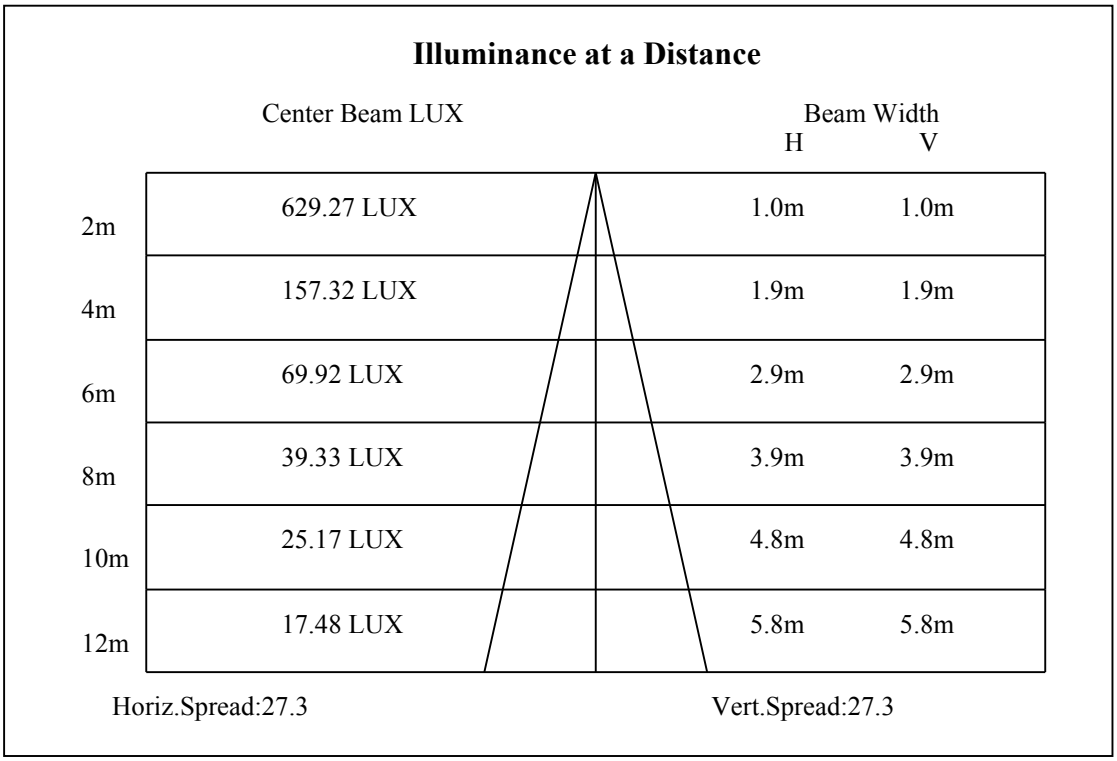
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

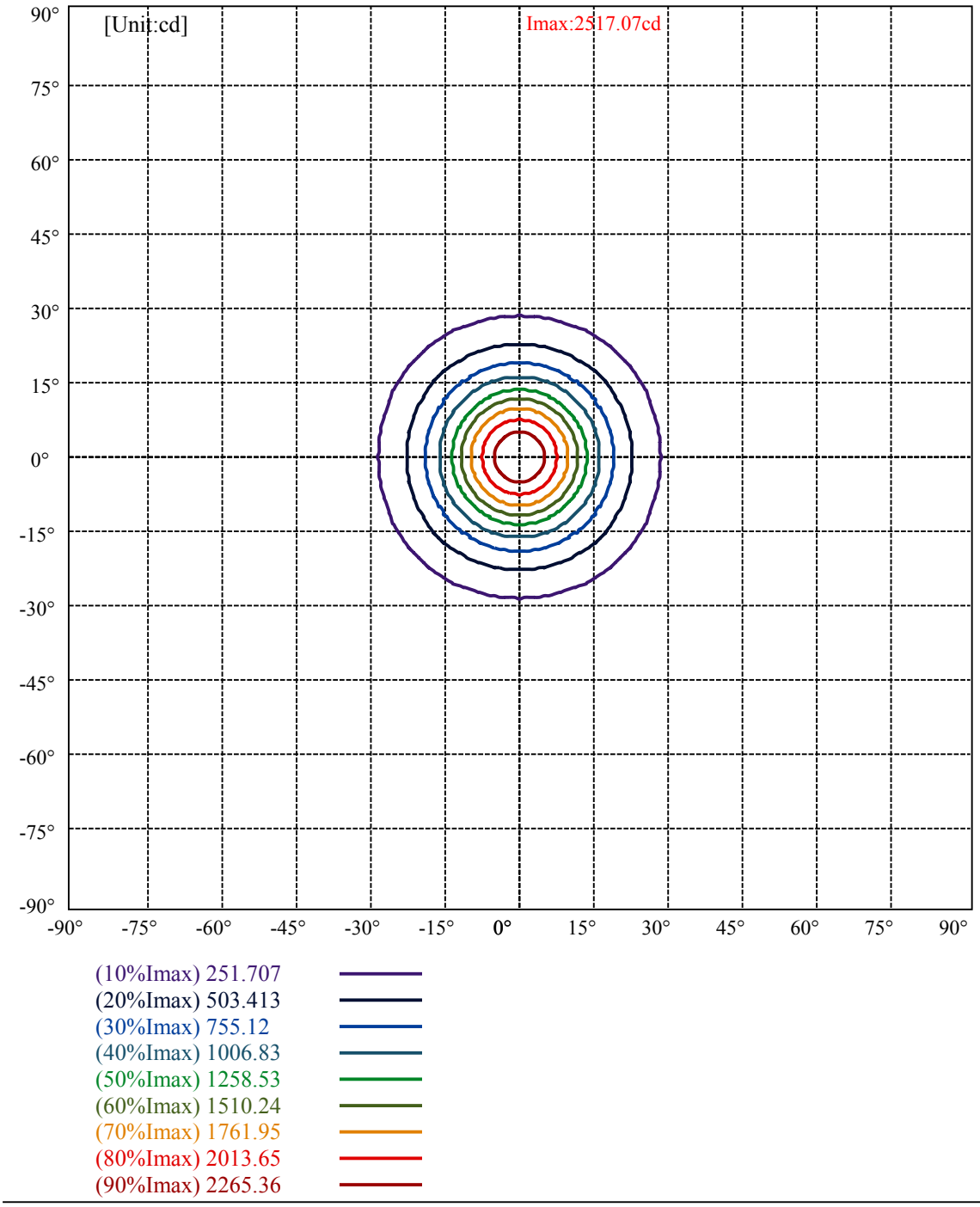
Beam Angle(50%Imax):C0/180Left:13.4 Right:13.4
:C90/270Left:13.4 Right:13.4

Lux distance Curve



Equipment: GMS1980 Date: 2023/11/15 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

ISO-Intensity(V-H)

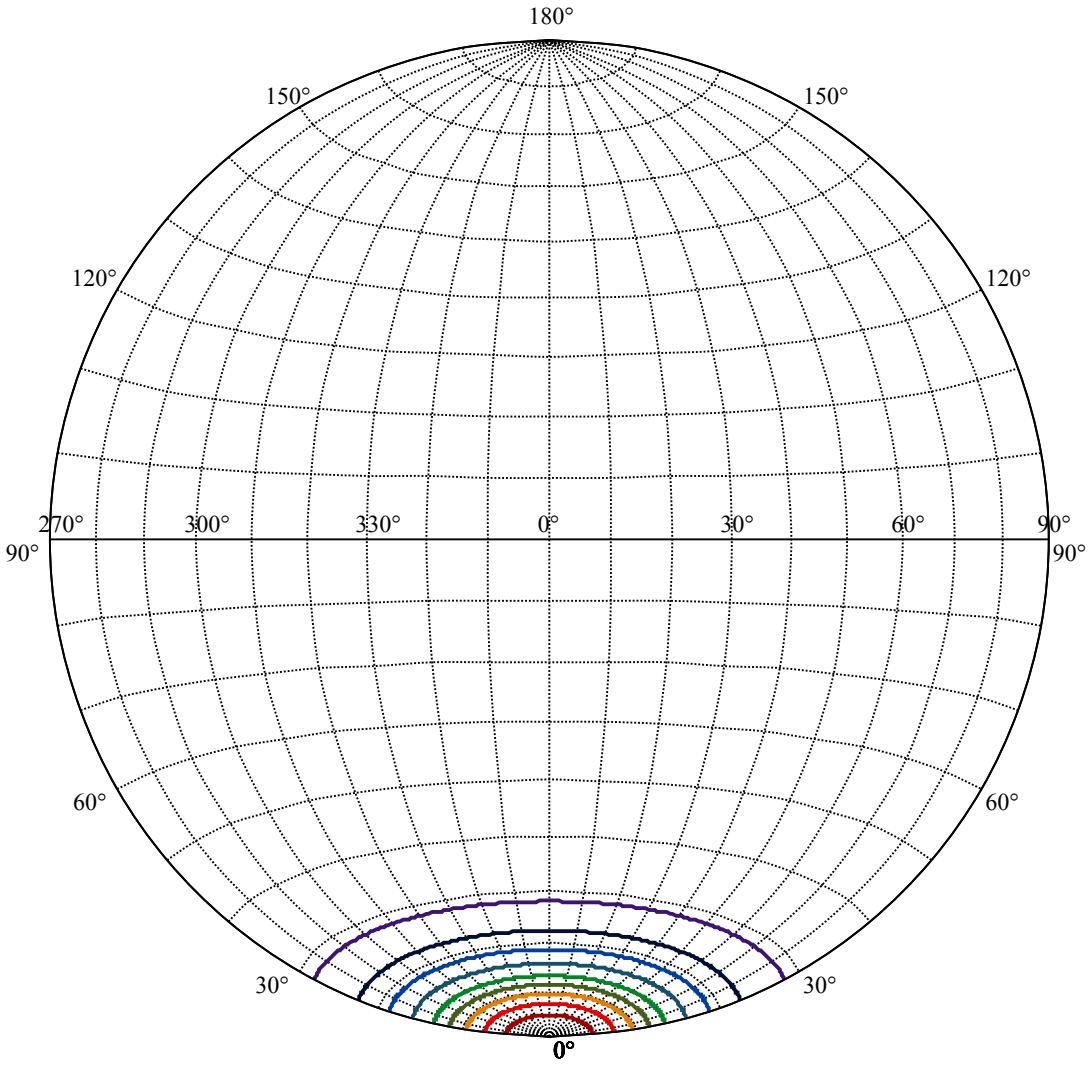


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/15
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



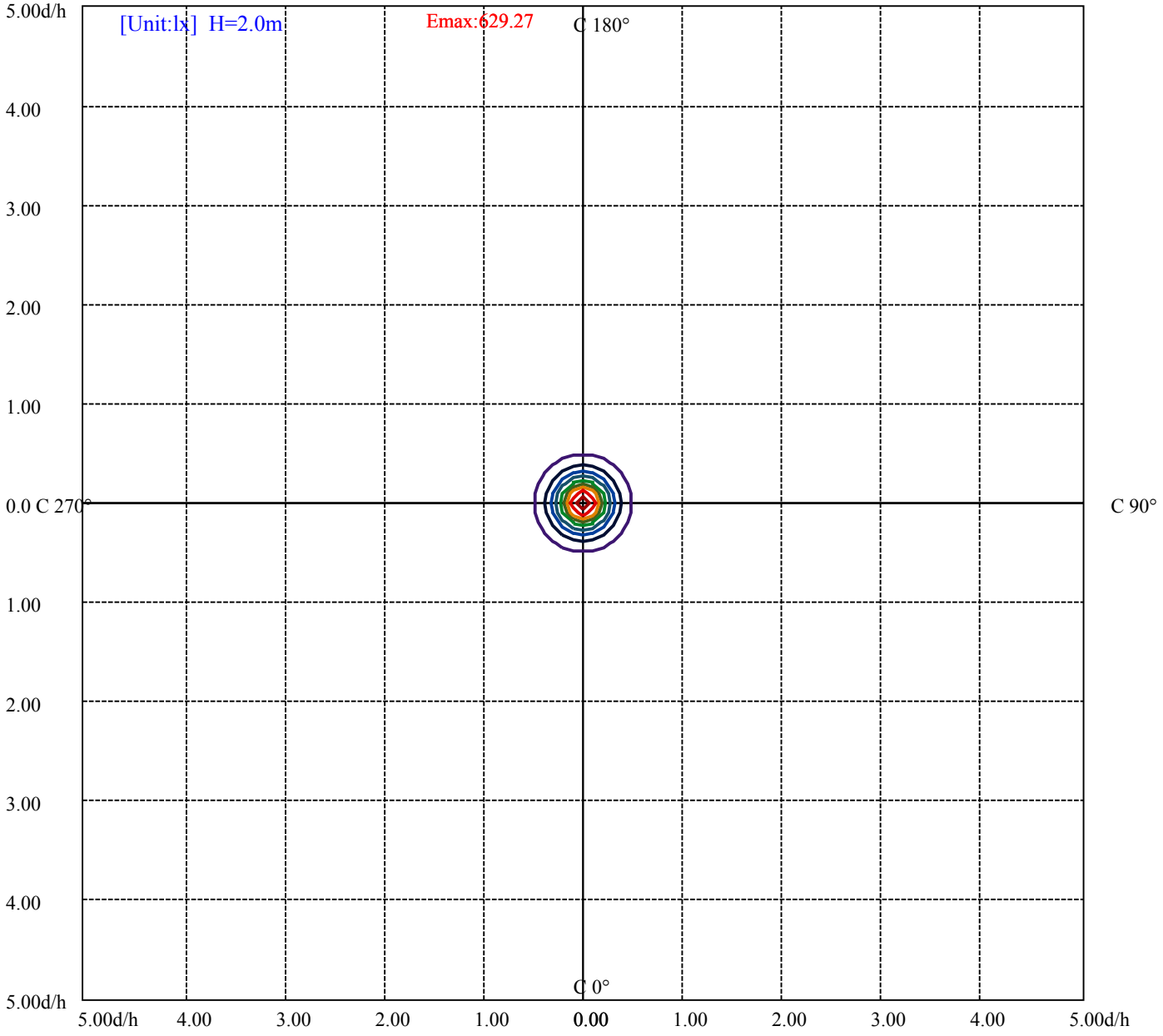
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/15
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1378-L

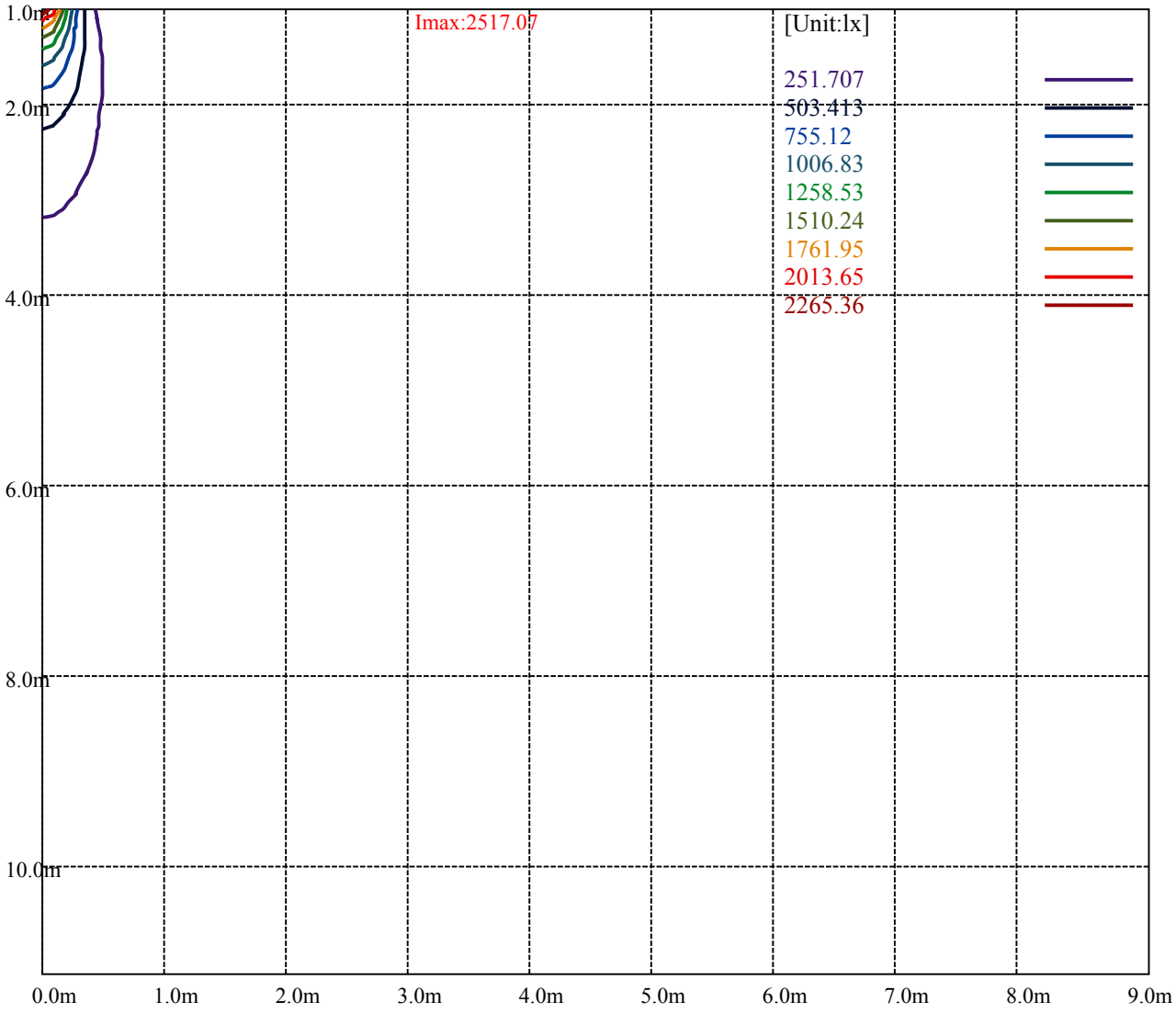
ISO illuminance diagram



(10%Emax) 62.9265
(20%Emax) 125.8532
(30%Emax) 188.7798
(40%Emax) 251.7075
(50%Emax) 314.6325
(60%Emax) 377.56
(70%Emax) 440.4875
(80%Emax) 503.4125
(90%Emax) 566.34

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/15
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/15
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1378-L

Luminance Limitting Curve(no luminous side)

Luminance Table

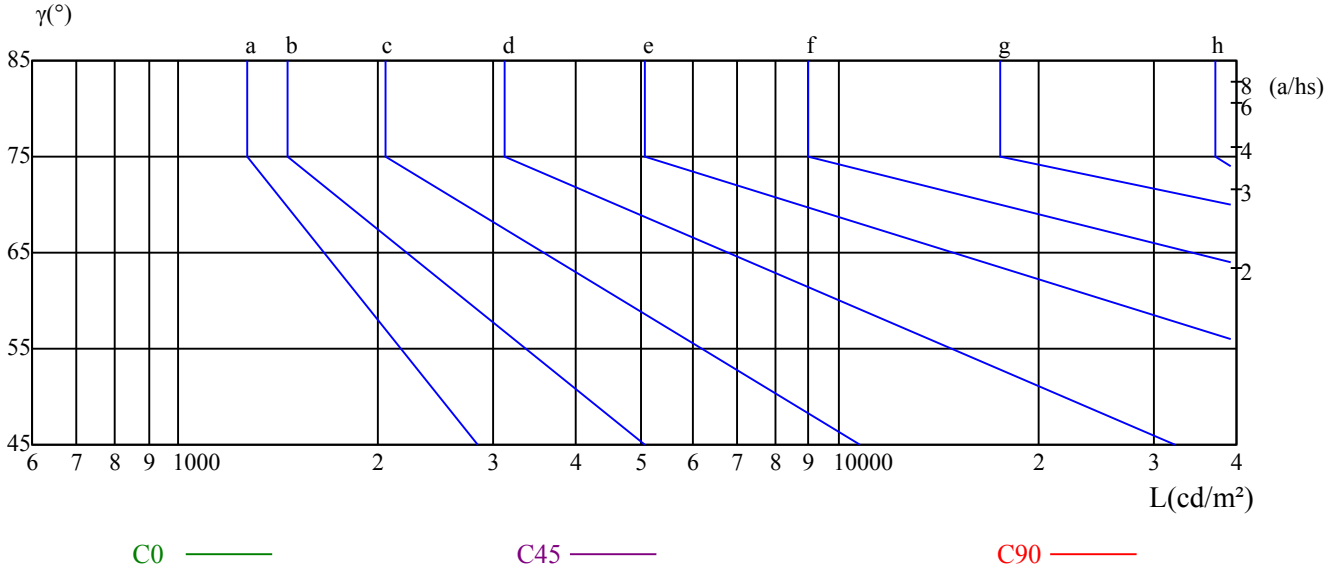
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 0.0

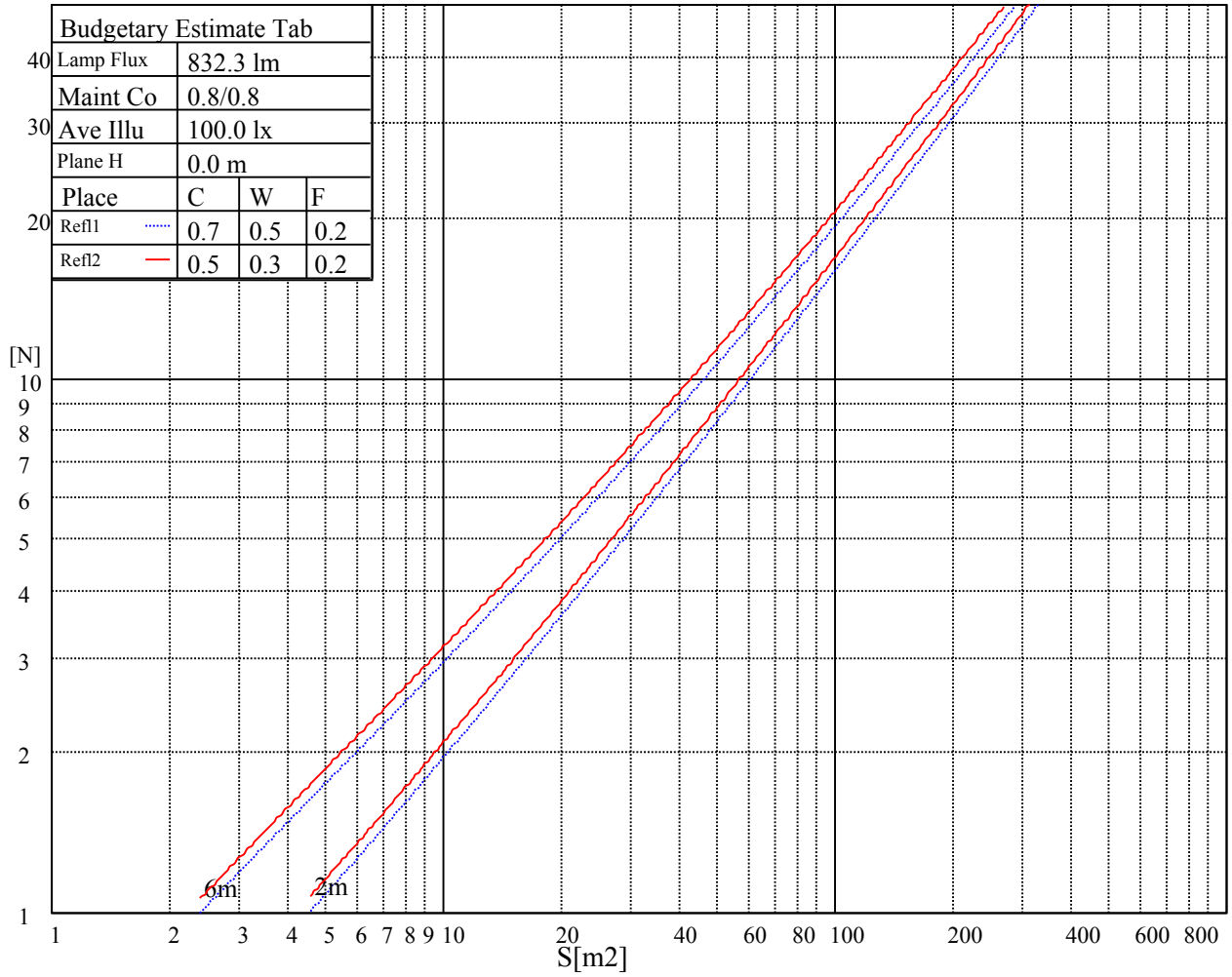
Date: 2023/11/15
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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

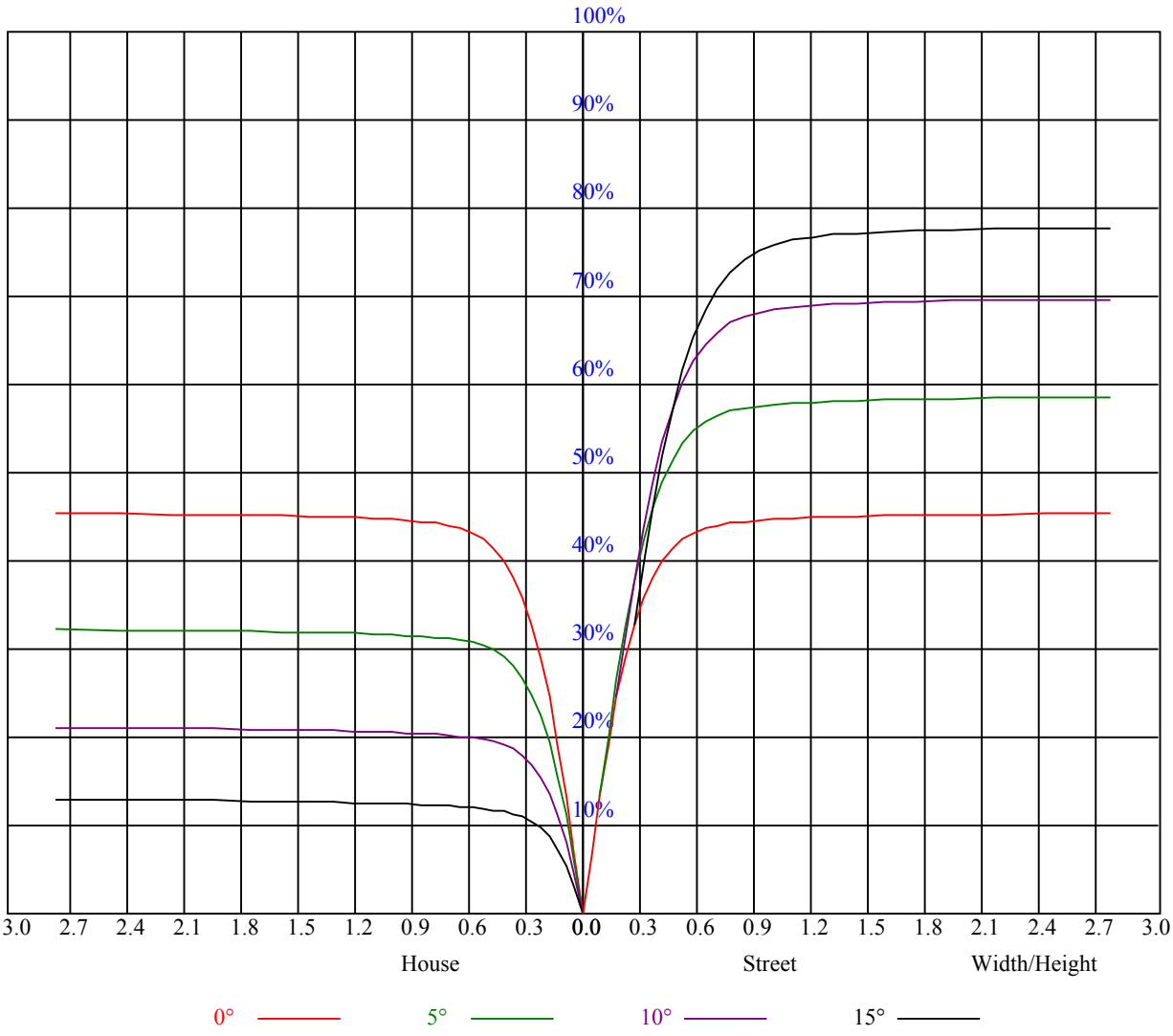


Equipment: GMS1980 Date: 2023/11/15 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.97	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.87	0.85	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
7	0.77	0.72	0.69	0.76	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	0.69	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/15	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	2499.77	2463.24	2411.20	2349.76	2247.91	2154.36	2052.51	1947.89	1812.28
45.0	2520.80	2514.16	2483.16	2438.33	2375.22	2273.37	2185.36	2097.35	1968.37
90.0	2518.59	2480.95	2434.45	2376.33	2275.03	2192.00	2074.10	1968.37	1863.20
135.0	2529.11	2517.48	2488.70	2430.02	2368.03	2286.10	2177.61	2081.30	1978.89
180.0	2499.77	2523.02	2513.61	2486.48	2424.49	2365.26	2289.42	2183.15	2082.40
225.0	2520.80	2499.77	2458.81	2407.33	2343.12	2260.09	2148.83	2046.42	1931.29
270.0	2518.59	2524.12	2512.50	2466.56	2415.63	2349.76	2269.50	2153.81	2052.51
315.0	2529.11	2512.50	2469.88	2418.40	2353.08	2270.60	2154.92	2054.17	1948.45
360.0	2499.77	2463.24	2411.20	2349.76	2247.91	2154.36	2052.51	1947.89	1812.28

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1702.12	1553.78	1434.77	1234.39	1102.64	1076.63	977.43	887.26	787.02
45.0	1858.77	1748.07	1631.27	1482.37	1370.56	1262.06	1152.46	1021.83	929.94
90.0	1749.73	1632.93	1484.03	1363.91	1089.69	1089.69	1013.19	920.64	835.67
135.0	1847.15	1732.57	1615.77	1464.66	1348.41	1239.92	1130.87	1003.01	912.78
180.0	1947.34	1838.85	1726.48	1611.34	1461.34	1349.52	1237.15	1131.98	1006.33
225.0	1791.80	1681.64	1568.17	1451.92	1316.86	1080.56	1080.56	986.29	894.62
270.0	1942.91	1837.19	1699.36	1579.79	1458.57	1315.76	1207.82	1078.29	979.76
315.0	1812.83	1701.02	1554.33	1435.32	1320.18	1079.95	1079.95	982.75	891.53
360.0	1702.12	1553.78	1434.77	1234.39	1102.64	1076.63	977.43	887.26	787.02

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	713.51	647.91	585.64	515.07	463.81	415.48	370.87	320.17	281.97
45.0	823.11	743.95	674.21	592.28	534.16	480.47	430.10	372.53	330.46
90.0	757.35	667.84	603.80	530.84	477.81	426.94	369.10	327.36	289.17
135.0	831.96	754.47	669.23	606.68	550.21	483.79	434.53	378.07	334.89
180.0	916.66	829.20	752.81	665.90	603.35	534.72	481.02	431.76	375.85
225.0	813.03	717.11	649.52	588.19	518.50	467.46	418.92	371.98	320.17
270.0	891.75	807.06	712.40	648.19	588.41	531.39	464.97	417.37	371.98
315.0	789.67	714.39	646.09	585.81	517.67	466.63	418.97	375.35	324.10
360.0	713.51	647.91	585.64	515.07	463.81	415.48	370.87	320.17	281.97

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	243.89	202.76	173.42	141.04	118.73	99.47	83.20	66.20	55.08
45.0	290.05	280.09	234.31	175.64	149.95	126.26	101.74	85.36	68.58
90.0	242.01	209.46	179.18	152.00	122.61	102.90	85.96	71.68	56.79
135.0	295.03	285.07	239.40	180.07	153.55	129.36	104.67	88.01	73.56
180.0	333.78	293.93	284.52	237.69	177.69	150.73	127.26	103.07	86.74
225.0	280.48	242.84	208.90	170.66	145.64	123.05	100.08	84.41	68.03
270.0	320.50	282.86	282.86	200.44	170.27	144.09	115.86	97.59	81.87
315.0	286.12	250.25	207.41	177.02	144.14	121.06	101.74	85.41	68.14
360.0	243.89	202.76	173.42	141.04	118.73	99.47	83.20	66.20	55.08

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	46.00	38.80	31.66	27.34	23.97	21.31	18.76	17.21	15.50
45.0	57.18	48.27	39.19	33.71	29.39	25.46	23.03	21.03	19.37
90.0	47.49	39.91	32.49	27.95	23.75	21.20	19.15	17.49	15.83
135.0	61.39	49.10	41.29	33.71	29.12	25.52	22.14	20.09	18.38
180.0	72.51	57.84	48.43	40.63	33.05	28.29	24.58	21.15	19.04
225.0	57.24	48.38	41.02	33.77	29.23	25.57	22.75	20.04	18.32
270.0	65.32	54.63	45.94	38.80	31.83	27.62	24.36	21.81	19.32
315.0	56.96	47.83	40.35	33.05	28.40	24.74	21.37	19.32	17.66
360.0	46.00	38.80	31.66	27.34	23.97	21.31	18.76	17.21	15.50

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	14.45	13.45	12.29	11.51	10.85	10.02	9.47	9.08	8.64
45.0	17.55	16.27	15.17	14.06	12.90	12.07	11.35	10.41	9.80
90.0	14.61	13.56	12.68	11.68	10.96	10.30	9.63	9.13	8.69
135.0	16.61	15.33	14.28	13.23	12.07	11.35	10.63	10.02	9.35
180.0	17.38	16.00	14.50	13.51	12.57	11.73	10.79	10.19	9.52
225.0	16.88	15.39	14.34	13.34	12.29	11.51	10.74	9.96	9.41
270.0	17.71	16.38	14.89	13.84	12.73	11.90	11.13	10.46	9.69
315.0	16.00	14.78	13.78	12.62	11.79	11.07	10.41	9.63	9.13
360.0	14.45	13.45	12.29	11.51	10.85	10.02	9.47	9.08	8.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.14	7.80	7.53	7.31	7.03	6.75	6.59	6.37	6.20
45.0	9.13	8.69	8.25	7.86	7.53	7.25	7.03	6.81	6.53
90.0	8.19	7.92	7.53	7.25	7.03	6.81	6.59	6.42	6.20
135.0	8.97	8.52	8.03	7.75	7.42	7.20	6.92	6.75	6.48
180.0	9.08	8.58	8.14	7.80	7.53	7.25	6.97	6.81	6.64
225.0	8.86	8.30	7.97	7.64	7.42	7.14	6.86	6.64	6.48
270.0	9.19	8.75	8.30	7.86	7.58	7.36	7.03	6.81	6.64
315.0	8.69	8.19	7.86	7.53	7.25	6.97	6.75	6.53	6.31
360.0	8.14	7.80	7.53	7.31	7.03	6.75	6.59	6.37	6.20

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.98	5.87	5.65	5.54	5.31	5.20	5.04	4.93	4.76
45.0	6.37	6.14	5.92	5.76	5.59	5.42	5.26	5.15	4.93
90.0	6.03	5.87	5.70	5.54	5.31	5.20	5.09	4.87	4.76
135.0	6.31	6.14	5.98	5.76	5.59	5.42	5.31	5.09	4.98
180.0	6.42	6.20	6.09	5.87	5.70	5.54	5.37	5.20	5.09
225.0	6.25	6.03	5.81	5.70	5.48	5.31	5.15	5.04	4.93
270.0	6.37	6.20	6.03	5.87	5.70	5.54	5.37	5.20	5.09
315.0	6.14	5.92	5.81	5.65	5.48	5.31	5.15	5.04	4.93
360.0	5.98	5.87	5.65	5.54	5.31	5.20	5.04	4.93	4.76

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.65	4.54	4.37	4.26	4.15	4.04	3.99	3.87	3.76
45.0	4.82	4.65	4.54	4.43	4.32	4.21	4.10	3.99	3.87
90.0	4.65	4.48	4.37	4.26	4.15	4.04	3.99	3.87	3.82
135.0	4.82	4.71	4.59	4.43	4.32	4.21	4.15	4.04	3.93
180.0	4.93	4.76	4.65	4.59	4.43	4.26	4.21	4.04	3.93
225.0	4.76	4.59	4.54	4.43	4.26	4.15	4.10	3.99	3.87
270.0	4.93	4.82	4.65	4.54	4.43	4.26	4.15	4.10	3.99
315.0	4.71	4.59	4.48	4.37	4.26	4.15	4.04	3.99	3.82
360.0	4.65	4.54	4.37	4.26	4.15	4.04	3.99	3.87	3.76

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.71	3.60	3.54	3.49	3.38	3.38	3.32	3.21	3.27
45.0	3.82	3.71	3.60	3.54	3.49	3.38	3.38	3.38	3.21
90.0	3.76	3.65	3.54	3.49	3.38	3.32	3.32	3.27	3.21
135.0	3.82	3.71	3.65	3.60	3.49	3.43	3.38	3.32	3.21
180.0	3.87	3.76	3.71	3.65	3.54	3.49	3.38	3.32	3.32
225.0	3.76	3.71	3.65	3.60	3.49	3.43	3.32	3.32	3.27
270.0	3.87	3.82	3.76	3.65	3.60	3.49	3.43	3.32	3.38
315.0	3.76	3.71	3.65	3.54	3.49	3.38	3.38	3.32	3.21
360.0	3.71	3.60	3.54	3.49	3.38	3.38	3.32	3.21	3.27

Intensity data(cd)

C/γ(°)	90.0
0.0	3.27
45.0	3.27
90.0	3.21
135.0	3.21
180.0	3.21
225.0	3.27
270.0	3.27
315.0	3.27
360.0	3.27