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: 1-1380-L
Luminaire: 92.70.410.00
Report No: 20231109-B017
Ballast type: AC

Test No: 20231109-C017	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1771.7	Power (W): 11.110
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1643.00, Efficiency(%): 92.74% , Luminous Efficacy(lm/W): 147.88
Central intensity(cd): 2371.348, Maximum intensity(cd): 2371.348
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=52.2
[C90/270]Total=52.2
Field angle(10%Imax): [C0/180]Total=70.2
[C90/270]Total=70.2
Beam angle of C0 plane : 52.29
Aveage BeamAngle(IEC 61341):52.29
Maximum s/h(1/2): C0_180=0.86 C90_270=0.86
Maximum s/h(1/4): C0_180=0.77 C90_270=0.77
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.74%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.925%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2371.348	0.000	0	0.00%	0.00%
1.0	2370.103	2.269	2.269	0.13%	0.14%
2.0	2364.221	6.795	9.064	0.38%	0.55%
3.0	2358.617	11.295	20.359	0.64%	1.24%
4.0	2347.546	15.753	36.112	0.89%	2.20%
5.0	2332.739	20.134	56.247	1.14%	3.42%
6.0	2317.517	24.438	80.685	1.38%	4.91%
7.0	2298.973	28.654	109.339	1.62%	6.65%
8.0	2281.399	32.781	142.12	1.85%	8.65%
9.0	2253.653	36.754	178.874	2.07%	10.89%
10.0	2222.862	40.511	219.385	2.29%	13.35%
11.0	2186.190	44.055	263.441	2.49%	16.03%
12.0	2151.041	47.412	310.853	2.68%	18.92%
13.0	2120.112	50.688	361.541	2.86%	22.00%
14.0	2093.957	53.940	415.48	3.04%	25.29%
15.0	2062.268	57.059	472.539	3.22%	28.76%
16.0	2029.194	59.951	532.49	3.38%	32.41%
17.0	1994.183	62.655	595.145	3.54%	36.22%
18.0	1945.402	64.955	660.1	3.67%	40.18%
19.0	1892.263	66.768	726.868	3.77%	44.24%
20.0	1826.876	68.071	794.938	3.84%	48.38%
21.0	1750.281	68.689	863.627	3.88%	52.56%
22.0	1673.132	68.795	932.422	3.88%	56.75%
23.0	1575.502	68.165	1000.587	3.85%	60.90%
24.0	1443.428	66.005	1066.592	3.73%	64.92%
25.0	1305.847	62.513	1129.104	3.53%	68.72%
26.0	1203.747	59.239	1188.343	3.34%	72.33%
27.0	1077.742	55.817	1244.161	3.15%	75.72%
28.0	957.140	51.519	1295.679	2.91%	78.86%
29.0	829.806	46.752	1342.431	2.64%	81.71%
30.0	698.466	41.263	1383.694	2.33%	84.22%
31.0	573.443	35.395	1419.089	2.00%	86.37%
32.0	458.141	29.554	1448.643	1.67%	88.17%
33.0	360.684	24.123	1472.766	1.36%	89.64%
34.0	290.392	19.703	1492.469	1.11%	90.84%
35.0	240.899	16.500	1508.969	0.93%	91.84%
36.0	188.666	13.677	1522.647	0.77%	92.67%
37.0	133.817	10.518	1533.164	0.59%	93.31%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	110.410	8.152	1541.316	0.46%	93.81%
39.0	93.423	6.957	1548.274	0.39%	94.23%
40.0	79.453	6.029	1554.303	0.34%	94.60%
41.0	69.275	5.296	1559.599	0.30%	94.92%
42.0	60.633	4.720	1564.319	0.27%	95.21%
43.0	54.212	4.254	1568.573	0.24%	95.47%
44.0	48.192	3.865	1572.438	0.22%	95.71%
45.0	43.259	3.515	1575.953	0.20%	95.92%
46.0	39.004	3.217	1579.17	0.18%	96.12%
47.0	35.489	2.963	1582.133	0.17%	96.30%
48.0	32.596	2.752	1584.885	0.16%	96.46%
49.0	29.836	2.564	1587.449	0.14%	96.62%
50.0	27.857	2.405	1589.854	0.14%	96.77%
51.0	26.065	2.281	1592.135	0.13%	96.90%
52.0	24.432	2.167	1594.302	0.12%	97.04%
53.0	23.124	2.069	1596.371	0.12%	97.16%
54.0	21.899	1.984	1598.355	0.11%	97.28%
55.0	20.854	1.908	1600.264	0.11%	97.40%
56.0	19.851	1.839	1602.103	0.10%	97.51%
57.0	19.007	1.777	1603.88	0.10%	97.62%
58.0	18.218	1.721	1605.601	0.10%	97.72%
59.0	17.547	1.672	1607.273	0.09%	97.83%
60.0	16.917	1.628	1608.902	0.09%	97.92%
61.0	16.309	1.586	1610.487	0.09%	98.02%
62.0	15.769	1.546	1612.033	0.09%	98.12%
63.0	15.229	1.508	1613.54	0.09%	98.21%
64.0	14.772	1.472	1615.013	0.08%	98.30%
65.0	14.295	1.439	1616.451	0.08%	98.38%
66.0	13.852	1.404	1617.856	0.08%	98.47%
67.0	13.465	1.374	1619.229	0.08%	98.55%
68.0	13.057	1.343	1620.573	0.08%	98.63%
69.0	12.655	1.312	1621.884	0.07%	98.71%
70.0	12.275	1.280	1623.165	0.07%	98.79%
71.0	11.936	1.251	1624.416	0.07%	98.87%
72.0	11.583	1.223	1625.639	0.07%	98.94%
73.0	11.237	1.193	1626.832	0.07%	99.02%
74.0	10.905	1.164	1627.996	0.07%	99.09%
75.0	10.566	1.134	1629.131	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.220	1.103	1630.234	0.06%	99.22%
77.0	9.908	1.073	1631.307	0.06%	99.29%
78.0	9.611	1.045	1632.352	0.06%	99.35%
79.0	9.313	1.017	1633.369	0.06%	99.41%
80.0	9.043	0.990	1634.358	0.06%	99.47%
81.0	8.774	0.964	1635.322	0.05%	99.53%
82.0	8.518	0.938	1636.26	0.05%	99.59%
83.0	8.289	0.914	1637.173	0.05%	99.65%
84.0	8.068	0.891	1638.064	0.05%	99.70%
85.0	7.839	0.868	1638.932	0.05%	99.75%
86.0	7.666	0.848	1639.78	0.05%	99.80%
87.0	7.480	0.829	1640.609	0.05%	99.85%
88.0	7.321	0.811	1641.42	0.05%	99.90%
89.0	7.189	0.795	1642.215	0.04%	99.95%
90.0	7.127	0.785	1643	0.04%	100.00%

Zonal flux distribution table

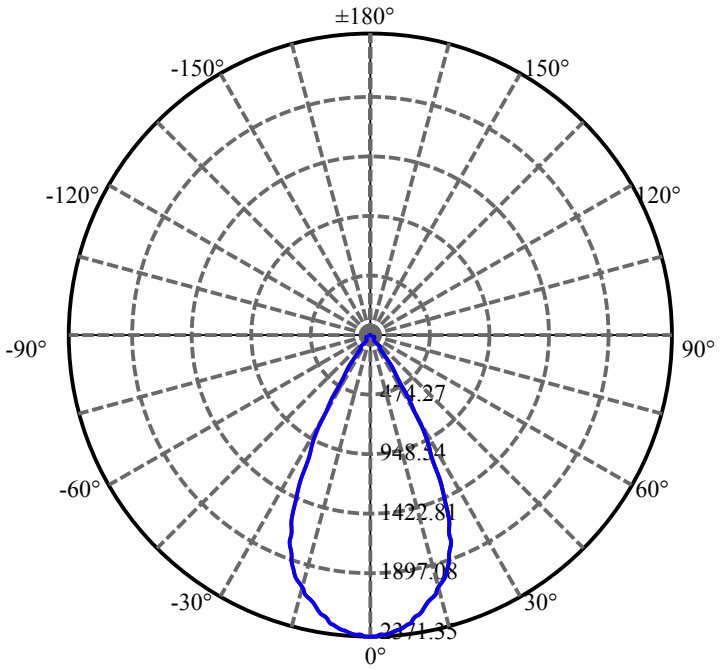
ZONAL LUMEN SUMMARY

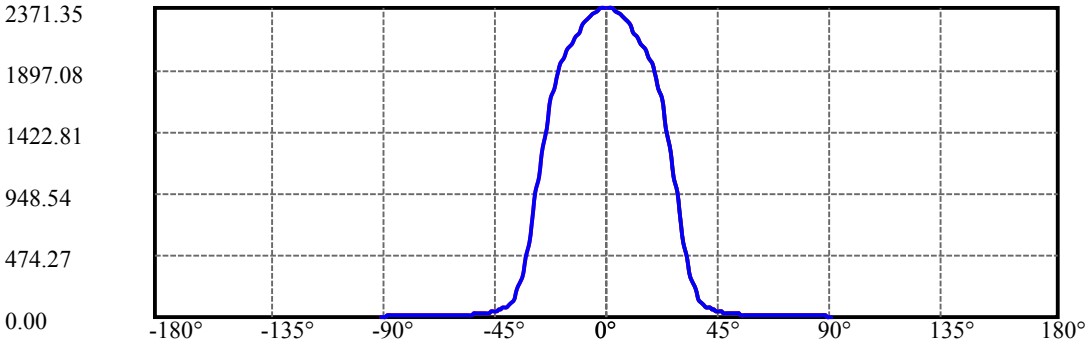
Zone	Lumens	%Lamp	%Fixt
0-30	1383.69	78.10%	84.22%
0-40	1554.30	87.73%	94.60%
0-60	1608.90	90.81%	97.92%
0-90	1642.21	92.69%	99.95%
0-120	1642.21	92.69%	99.95%
0-180	1643.00	92.74%	100.00%
60-90	33.31	1.88%	2.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.40	1314.40	74.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	219.39
10-20	575.55
20-30	588.76
30-40	170.61
40-50	35.55
50-60	19.05
60-70	14.26
70-80	11.19
80-90	7.86
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):

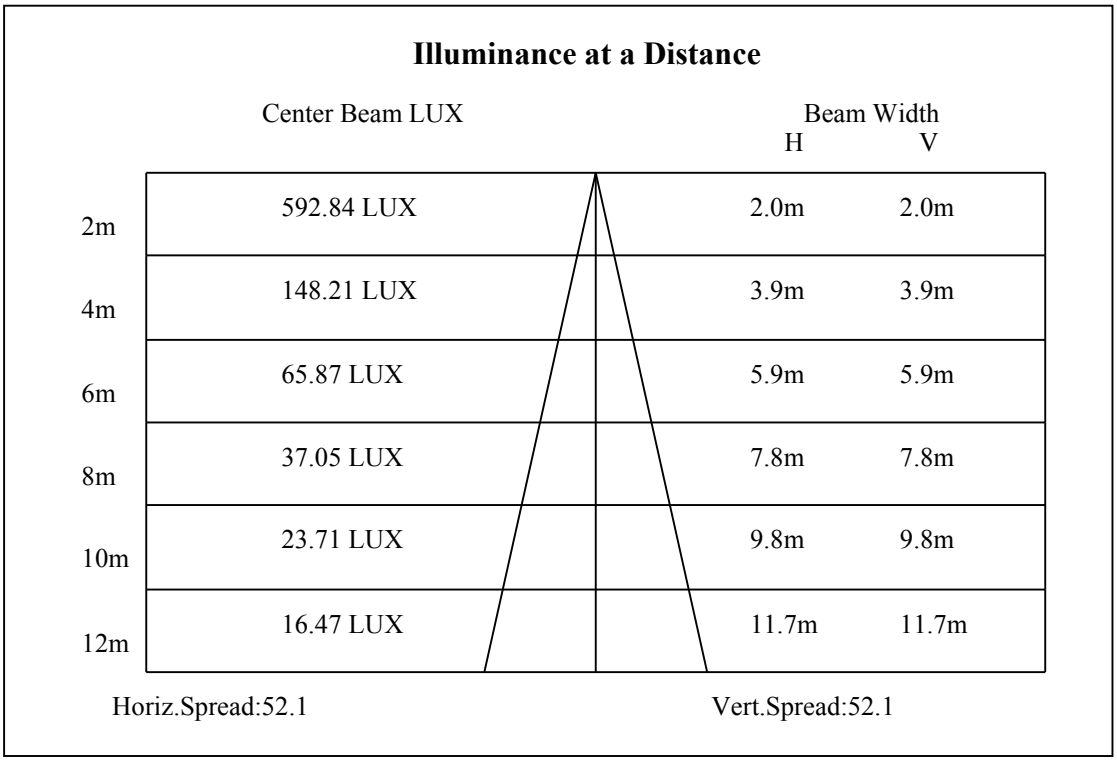
C0/C180:

C90/C270:

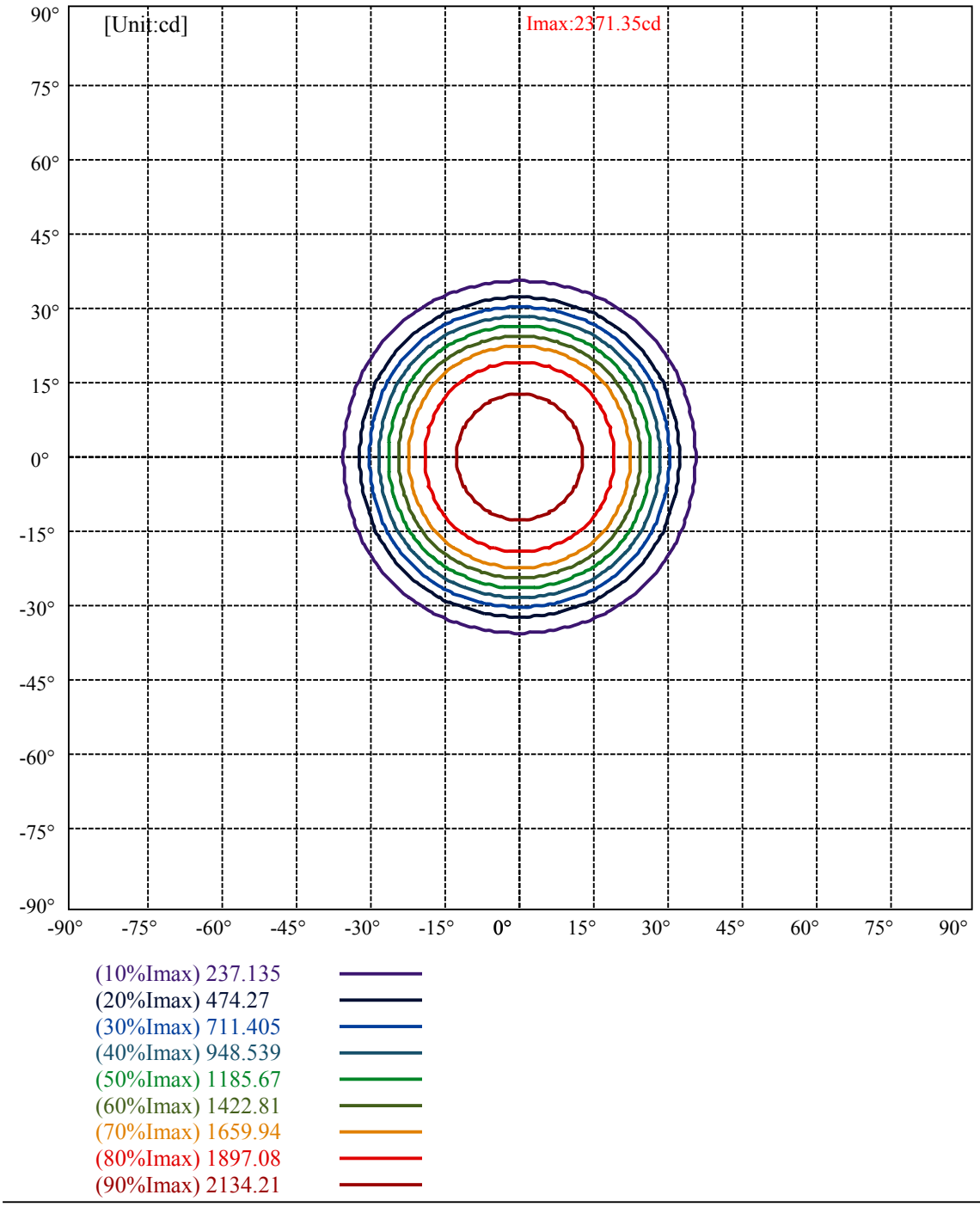
Field angle(10%Imax):C0/180Left:35.1 Right:35.1
:C90/270Left:35.1 Right:35.1

Beam Angle(50%Imax):C0/180Left:26.1 Right:26.1
:C90/270Left:26.1 Right:26.1

Lux distance Curve



ISO-Intensity(V-H)

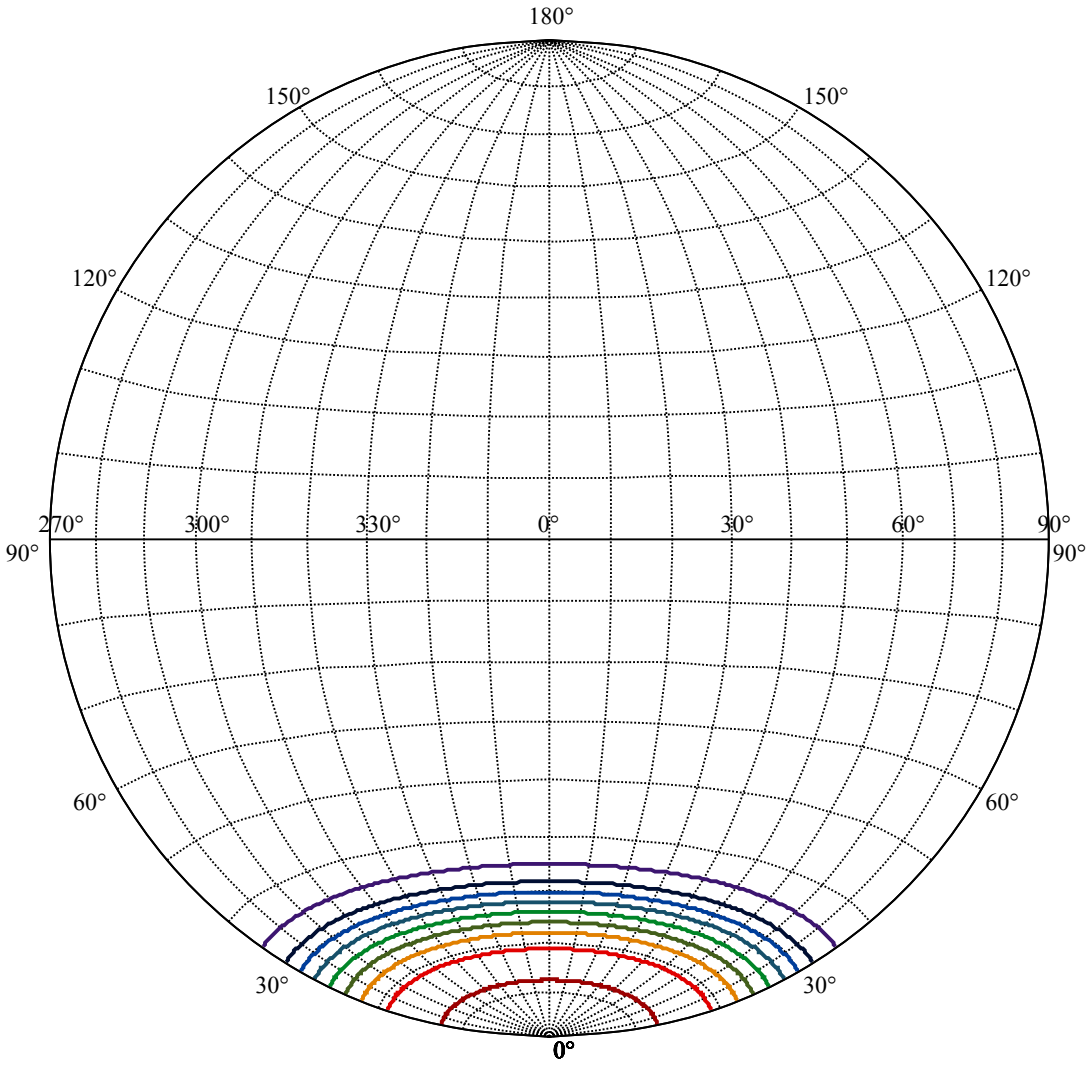


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2371.35

(10%Imax) 237.135
(20%Imax) 474.27
(30%Imax) 711.405
(40%Imax) 948.539
(50%Imax) 1185.67
(60%Imax) 1422.81
(70%Imax) 1659.94
(80%Imax) 1897.08
(90%Imax) 2134.21

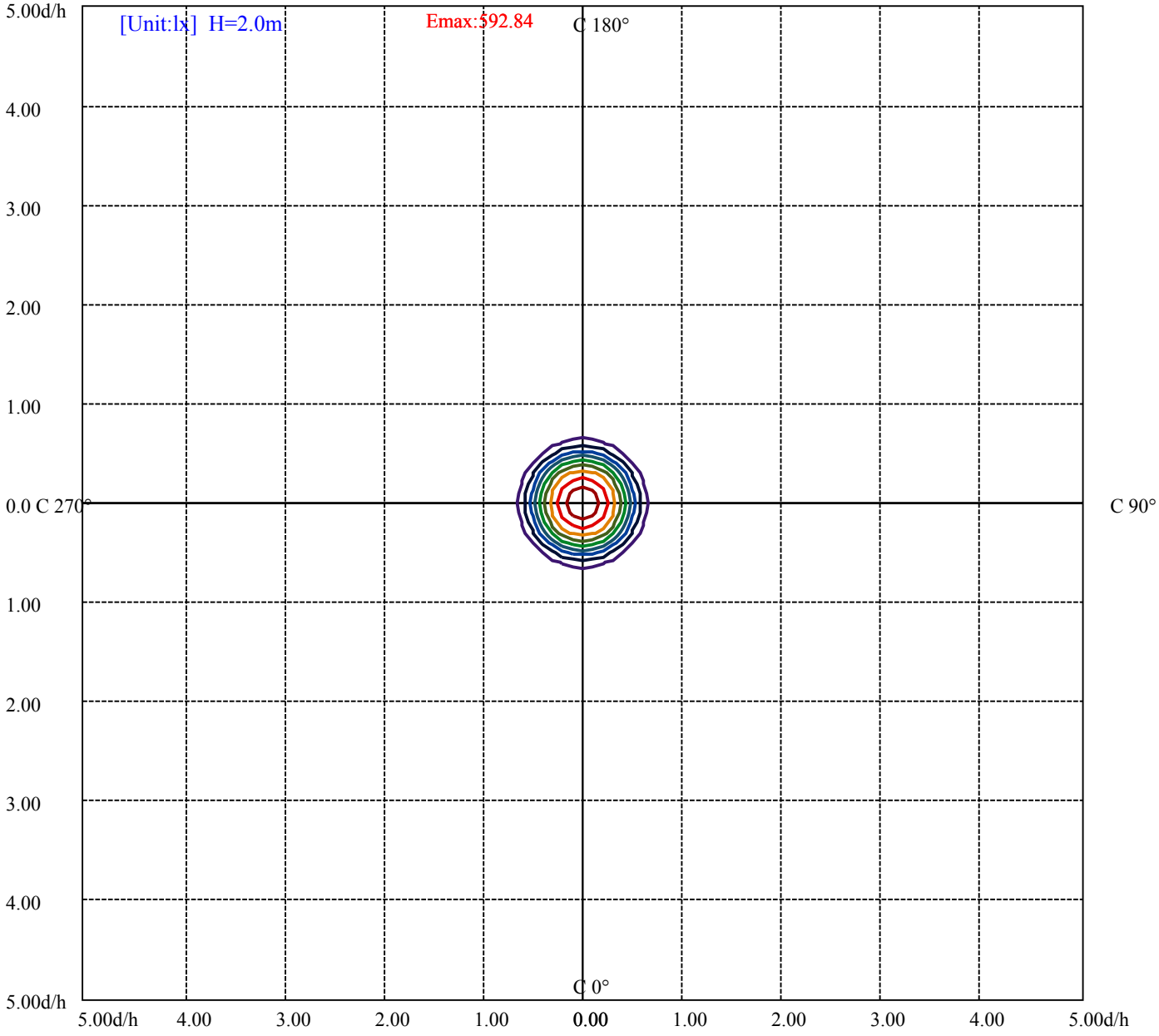
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

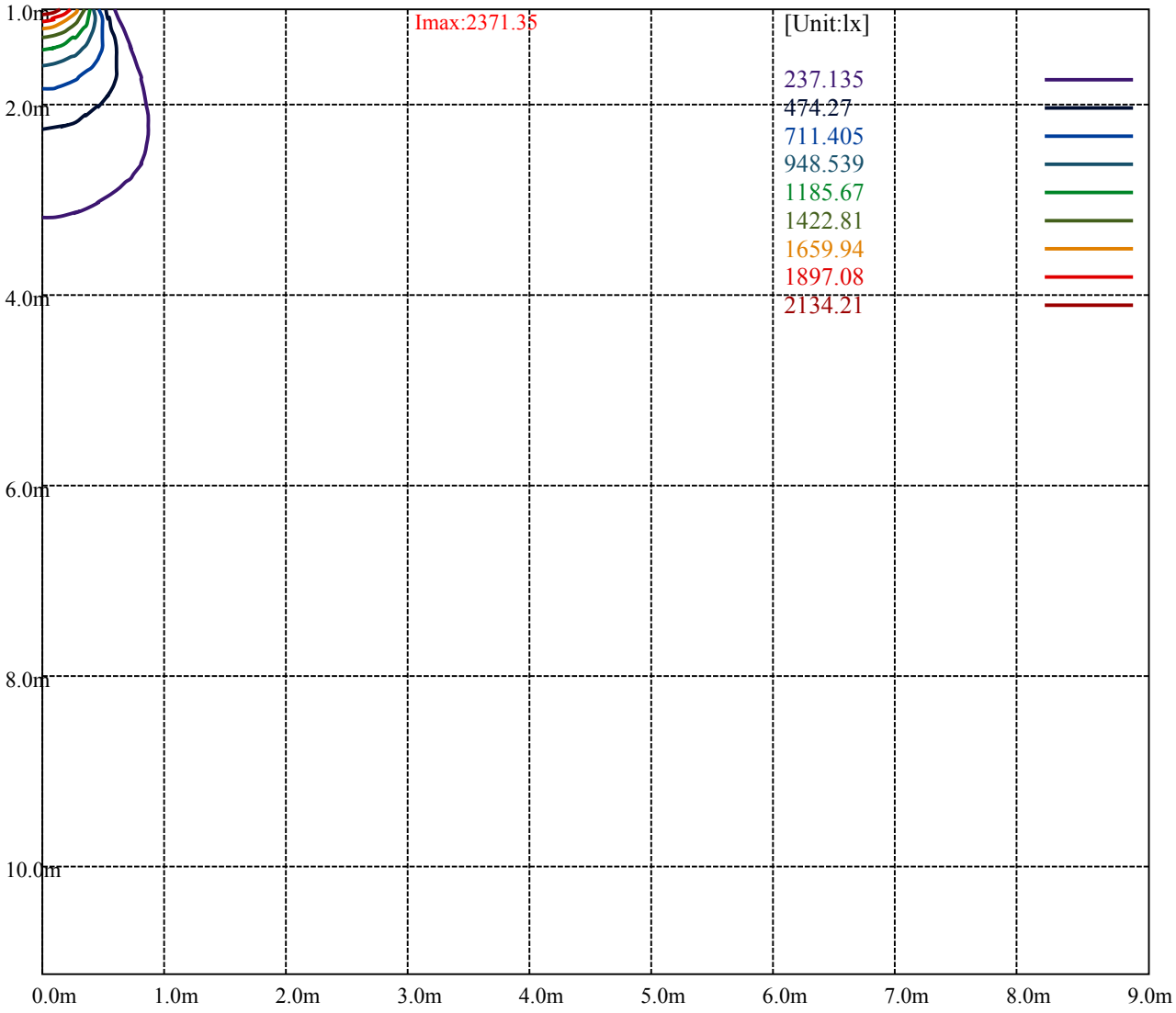
ISO illuminance diagram



(10%Emax) 59.28375
(20%Emax) 118.5675
(30%Emax) 177.851
(40%Emax) 237.1348
(50%Emax) 296.4175
(60%Emax) 355.7025
(70%Emax) 414.985
(80%Emax) 474.27
(90%Emax) 533.5525

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/09
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

Luminance Limitting Curve(no luminous side)

Luminance Table

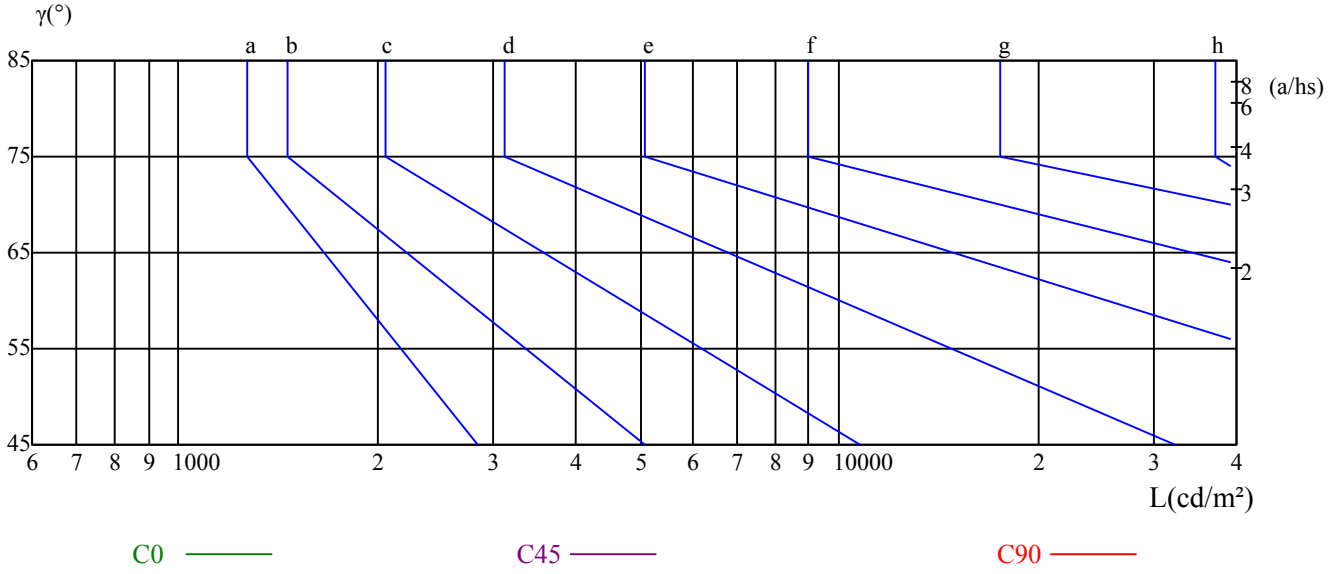
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

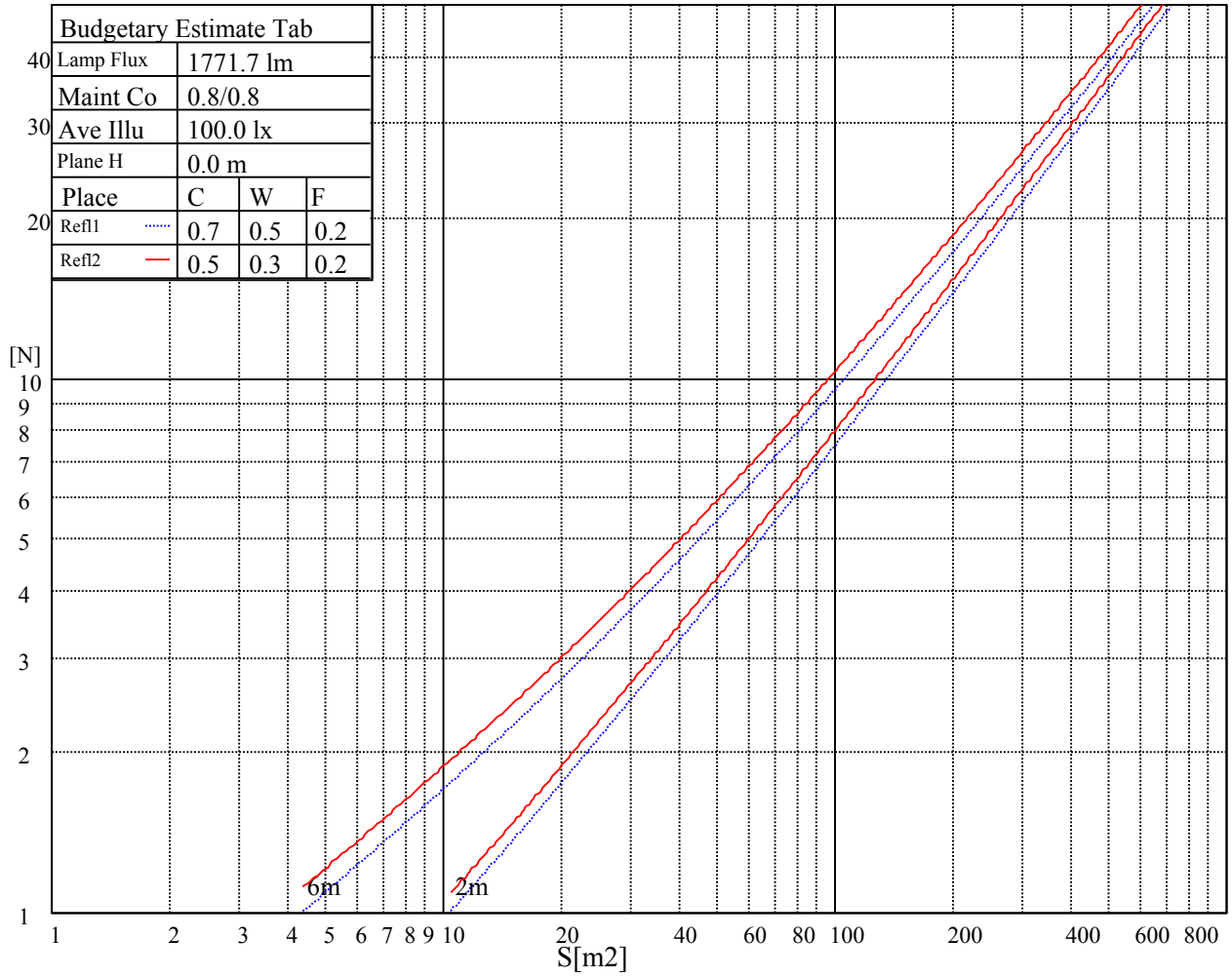
Luminance Limitting Curve



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

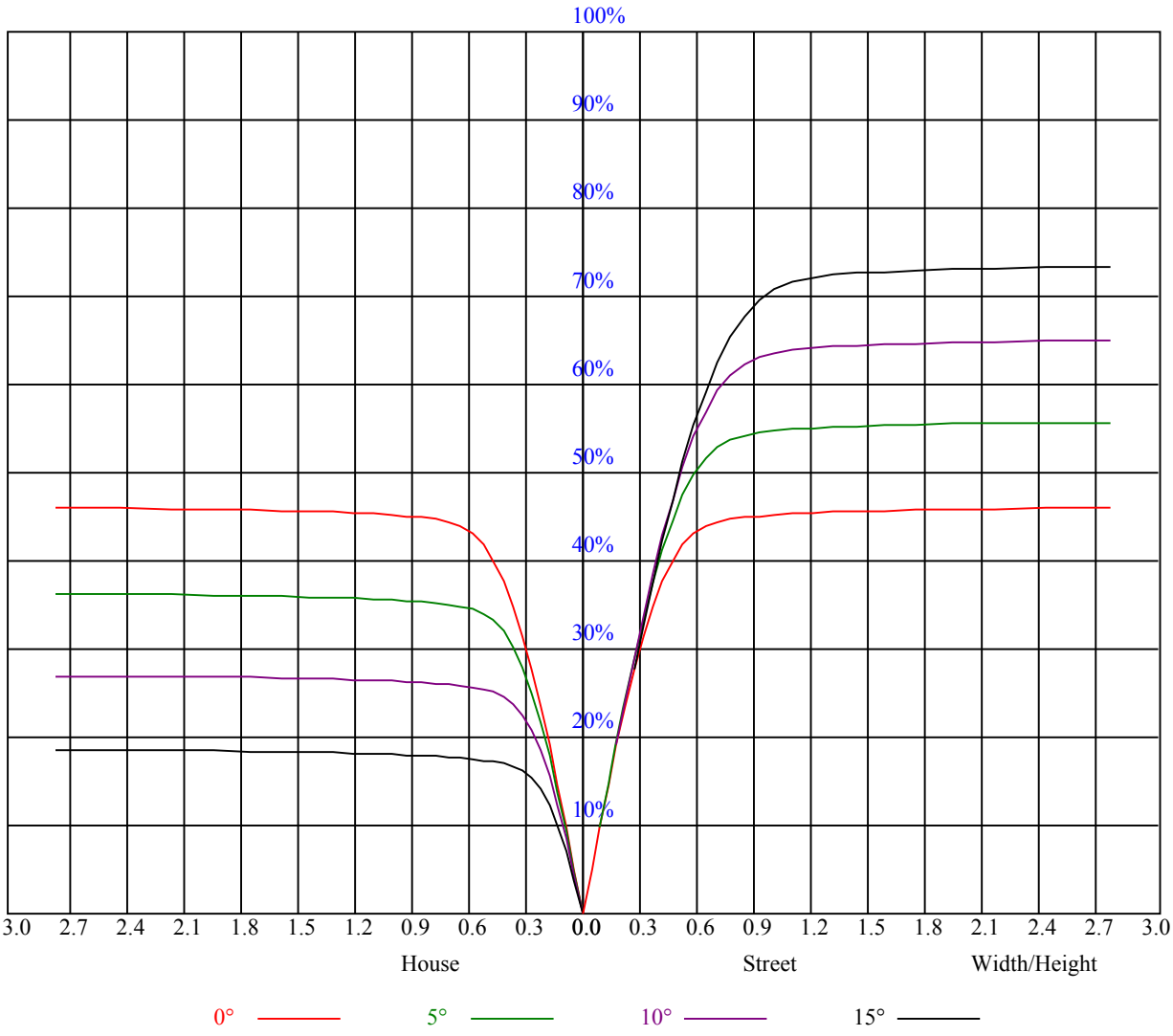


Equipment: GMS1980 Date: 2023/11/09 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.90	0.86	0.82	0.89	0.85	0.82	0.87	0.83	0.81	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
5	0.80	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.68
6	0.76	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.64
7	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
8	0.69	0.63	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	0.62	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	0.60	0.56	0.54	0.60	0.56	0.54	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/09	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	2376.33	2369.69	2357.51	2346.44	2333.71	2311.57	2292.75	2271.71	2245.14
45.0	2371.35	2371.35	2366.37	2356.96	2335.92	2320.42	2299.39	2283.34	2255.66
90.0	2370.79	2366.37	2351.97	2345.33	2325.96	2306.58	2277.25	2255.66	2228.54
135.0	2366.92	2367.47	2365.81	2355.85	2340.90	2332.60	2319.87	2296.62	2272.82
180.0	2376.33	2376.33	2370.79	2374.67	2373.56	2360.83	2351.42	2334.81	2330.39
225.0	2371.35	2370.79	2370.79	2364.71	2350.31	2345.33	2339.80	2321.53	2306.03
270.0	2370.79	2371.90	2373.01	2373.01	2369.69	2357.51	2343.12	2332.60	2329.83
315.0	2366.92	2366.92	2357.51	2351.97	2350.31	2327.07	2316.55	2295.51	2282.78
360.0	2376.33	2369.69	2357.51	2346.44	2333.71	2311.57	2292.75	2271.71	2245.14

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2192.00	2162.11	2127.79	2095.69	2065.24	2040.33	2006.57	1957.86	1911.91
45.0	2229.64	2192.00	2143.84	2109.53	2074.10	2046.42	2027.05	1988.85	1956.20
90.0	2179.27	2141.63	2103.44	2073.55	2054.73	2029.26	1991.62	1957.30	1915.79
135.0	2255.66	2222.45	2180.93	2149.93	2120.60	2102.33	2063.03	2028.71	1988.30
180.0	2307.14	2280.57	2251.78	2209.72	2182.59	2154.92	2120.04	2095.69	2069.12
225.0	2293.30	2262.86	2225.77	2193.66	2165.43	2141.63	2119.49	2100.67	2072.44
270.0	2312.67	2295.51	2267.84	2227.43	2193.66	2162.67	2129.45	2101.22	2077.97
315.0	2259.53	2225.77	2188.13	2148.83	2104.54	2074.10	2040.89	2003.25	1961.73
360.0	2192.00	2162.11	2127.79	2095.69	2065.24	2040.33	2006.57	1957.86	1911.91

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1842.72	1777.40	1704.89	1608.02	1515.03	1406.53	1099.43	1099.43	1007.38
45.0	1919.11	1872.06	1803.97	1737.00	1665.59	1585.88	1489.01	1357.82	1230.51
90.0	1869.84	1795.12	1727.03	1658.95	1579.79	1455.25	1249.33	1093.23	1063.73
135.0	1932.39	1879.25	1809.51	1720.94	1641.23	1554.88	1455.80	1309.67	1189.55
180.0	2027.05	1984.43	1932.95	1853.79	1776.30	1693.82	1610.79	1490.12	1377.20
225.0	2027.05	1981.66	1921.88	1840.51	1770.21	1674.45	1583.11	1477.94	1247.67
270.0	2040.33	2003.25	1939.59	1879.25	1810.06	1717.07	1641.23	1518.35	1413.73
315.0	1904.72	1844.94	1775.19	1703.78	1626.84	1516.14	1418.71	1100.21	1100.21
360.0	1842.72	1777.40	1704.89	1608.02	1515.03	1406.53	1099.43	1099.43	1007.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	881.56	760.50	643.76	506.82	408.23	303.56	240.07	191.47	147.30
45.0	1068.88	944.33	819.79	670.33	556.86	449.47	333.78	295.59	295.59
90.0	936.20	782.70	667.62	556.30	424.51	332.84	259.50	204.70	157.15
135.0	1059.47	900.05	774.40	656.49	546.89	417.37	328.25	291.16	291.16
180.0	1258.74	1131.43	973.12	847.46	693.58	577.34	469.40	350.94	291.16
225.0	1089.91	1089.91	960.00	831.25	676.31	557.58	449.75	355.04	261.93
270.0	1288.63	1132.53	1005.77	871.27	744.51	590.62	478.26	378.62	292.82
315.0	1038.54	915.66	793.99	647.80	536.65	436.35	326.48	255.62	190.08
360.0	881.56	760.50	643.76	506.82	408.23	303.56	240.07	191.47	147.30

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.78	101.46	83.69	73.56	65.76	58.84	51.76	46.61	42.29
45.0	164.51	125.82	103.79	87.79	75.95	65.26	58.40	52.53	45.94
90.0	128.97	107.39	91.67	76.78	67.70	60.50	53.08	47.71	42.07
135.0	149.34	118.18	100.02	86.24	75.61	65.21	58.29	52.36	47.11
180.0	291.16	165.29	129.75	108.44	92.27	79.93	68.03	60.56	54.41
225.0	206.86	158.48	129.25	106.83	85.85	73.73	64.54	57.18	49.98
270.0	292.82	164.18	134.95	112.48	91.72	79.38	67.42	59.73	53.42
315.0	154.88	129.75	110.15	95.26	80.76	71.35	63.55	57.01	50.32
360.0	120.78	101.46	83.69	73.56	65.76	58.84	51.76	46.61	42.29

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	38.58	34.65	31.99	29.67	27.23	25.63	24.24	22.75	21.64
45.0	41.52	37.75	33.77	31.11	28.29	26.35	24.74	23.36	22.20
90.0	38.30	35.09	32.33	29.50	27.62	25.91	24.47	22.97	21.86
135.0	41.46	37.75	34.60	31.94	29.12	27.23	25.24	23.91	22.75
180.0	48.88	43.07	39.13	35.76	32.38	30.11	28.23	26.13	24.63
225.0	45.00	40.74	36.31	33.32	30.83	28.67	26.35	24.69	23.36
270.0	46.83	42.40	38.53	35.09	31.77	29.50	27.57	25.91	24.08
315.0	45.50	40.57	37.25	34.37	31.44	29.45	27.68	25.74	24.47
360.0	38.58	34.65	31.99	29.67	27.23	25.63	24.24	22.75	21.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.70	19.54	18.76	18.05	17.38	16.66	16.16	15.61	15.11
45.0	20.92	19.98	19.15	18.21	17.55	16.94	16.38	15.67	15.22
90.0	20.87	19.98	19.04	18.27	17.44	16.88	16.33	15.67	15.22
135.0	21.48	20.59	19.71	18.76	18.05	17.38	16.83	16.16	15.61
180.0	23.30	21.92	20.92	20.04	19.04	18.38	17.71	17.16	16.50
225.0	21.86	20.87	19.71	18.99	18.27	17.55	16.83	16.27	15.78
270.0	22.81	21.70	20.48	19.60	18.65	17.93	17.33	16.77	16.11
315.0	23.25	22.25	21.03	20.15	19.37	18.65	17.77	17.16	16.61
360.0	20.70	19.54	18.76	18.05	17.38	16.66	16.16	15.61	15.11

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.56	14.17	13.73	13.28	12.90	12.51	12.12	11.79	11.51
45.0	14.61	14.23	13.84	13.34	13.01	12.68	12.29	11.90	11.57
90.0	14.78	14.34	13.84	13.45	13.06	12.68	12.23	11.90	11.57
135.0	15.17	14.67	14.17	13.78	13.40	12.95	12.57	12.18	11.85
180.0	16.00	15.50	14.95	14.50	14.12	13.62	13.23	12.84	12.40
225.0	15.22	14.72	14.28	13.84	13.45	13.01	12.68	12.23	11.90
270.0	15.55	15.11	14.67	14.17	13.78	13.40	13.01	12.57	12.29
315.0	15.94	15.44	14.89	14.45	14.00	13.62	13.12	12.79	12.40
360.0	14.56	14.17	13.73	13.28	12.90	12.51	12.12	11.79	11.51

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.07	10.74	10.41	10.13	9.74	9.47	9.19	8.86	8.58
45.0	11.24	10.96	10.57	10.30	9.96	9.69	9.41	9.13	8.80
90.0	11.18	10.85	10.52	10.19	9.91	9.52	9.30	9.02	8.80
135.0	11.51	11.18	10.85	10.52	10.19	9.91	9.58	9.35	9.08
180.0	12.12	11.79	11.46	11.07	10.68	10.41	10.13	9.74	9.47
225.0	11.62	11.24	10.90	10.57	10.24	9.91	9.63	9.35	9.13
270.0	11.85	11.51	11.24	10.85	10.52	10.24	9.85	9.58	9.30
315.0	12.07	11.62	11.29	10.90	10.52	10.13	9.80	9.47	9.19
360.0	11.07	10.74	10.41	10.13	9.74	9.47	9.19	8.86	8.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.41	8.25	8.03	7.80	7.64	7.47	7.31	7.14	7.20
45.0	8.52	8.30	8.08	7.92	7.75	7.53	7.31	7.20	7.09
90.0	8.52	8.30	8.08	7.86	7.64	7.53	7.36	7.14	7.09
135.0	8.86	8.52	8.25	8.03	7.80	7.64	7.47	7.31	7.14
180.0	9.19	8.91	8.64	8.41	8.14	7.92	7.75	7.58	7.42
225.0	8.80	8.52	8.30	8.08	7.86	7.69	7.47	7.36	7.20
270.0	8.97	8.69	8.47	8.25	7.97	7.80	7.58	7.42	7.25
315.0	8.91	8.64	8.47	8.19	7.92	7.75	7.58	7.42	7.14
360.0	8.41	8.25	8.03	7.80	7.64	7.47	7.31	7.14	7.20

Intensity data(cd)

C/γ(°)	90.0
0.0	7.20
45.0	7.09
90.0	7.09
135.0	7.09
180.0	7.25
225.0	7.09
270.0	7.09
315.0	7.14
360.0	7.20