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NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.427.00
Report No: 20231124-B010
Ballast type: AC

Test No: 20231124-C010	Voltage(V): 34.210
LampCAT: BRIDGELUX V10B	Current(A): 0.331
Lamp flux(lm): 1647.3	Power (W): 11.323
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1533.88, Efficiency(%): 93.12% , Luminous Efficacy(lm/W): 135.47
Central intensity(cd): 2192.279, Maximum intensity(cd): 2192.764
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=51.8
[C90/270]Total=51.8
Field angle(10%Imax): [C0/180]Total=71.4
[C90/270]Total=71.4
Beam angle of C0 plane : 51.80
Aveage BeamAngle(IEC 61341):51.80
Maximum s/h(1/2): C0_180=0.85 C90_270=0.85
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(%): 93.12%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.959%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2192.279	0.000	0	0.00%	0.00%
1.0	2192.764	2.098	2.098	0.13%	0.14%
2.0	2191.103	6.292	8.39	0.38%	0.55%
3.0	2184.391	10.465	18.855	0.64%	1.23%
4.0	2178.233	14.603	33.458	0.89%	2.18%
5.0	2173.736	18.722	52.18	1.14%	3.40%
6.0	2161.973	22.785	74.965	1.38%	4.89%
7.0	2145.575	26.737	101.702	1.62%	6.63%
8.0	2126.478	30.574	132.277	1.86%	8.62%
9.0	2103.714	34.283	166.56	2.08%	10.86%
10.0	2078.597	37.848	204.408	2.30%	13.33%
11.0	2052.996	41.283	245.691	2.51%	16.02%
12.0	2026.149	44.591	290.282	2.71%	18.92%
13.0	1998.542	47.763	338.045	2.90%	22.04%
14.0	1968.997	50.784	388.829	3.08%	25.35%
15.0	1936.407	53.615	442.445	3.25%	28.84%
16.0	1897.867	56.183	498.627	3.41%	32.51%
17.0	1856.698	58.469	557.096	3.55%	36.32%
18.0	1809.786	60.452	617.548	3.67%	40.26%
19.0	1753.256	61.990	679.538	3.76%	44.30%
20.0	1687.178	62.969	742.508	3.82%	48.41%
21.0	1611.412	63.340	805.847	3.85%	52.54%
22.0	1522.708	62.981	868.829	3.82%	56.64%
23.0	1393.935	61.199	930.028	3.72%	60.63%
24.0	1305.508	59.020	989.047	3.58%	64.48%
25.0	1202.709	57.031	1046.079	3.46%	68.20%
26.0	1084.495	53.990	1100.068	3.28%	71.72%
27.0	983.447	50.593	1150.661	3.07%	75.02%
28.0	863.488	46.760	1197.421	2.84%	78.07%
29.0	739.739	41.945	1239.366	2.55%	80.80%
30.0	635.432	37.129	1276.496	2.25%	83.22%
31.0	531.983	32.487	1308.983	1.97%	85.34%
32.0	444.213	27.967	1336.95	1.70%	87.16%
33.0	367.347	23.909	1360.859	1.45%	88.72%
34.0	305.483	20.362	1381.221	1.24%	90.05%
35.0	260.757	17.585	1398.806	1.07%	91.19%
36.0	203.480	14.781	1413.587	0.90%	92.16%
37.0	178.156	12.447	1426.034	0.76%	92.97%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.739	10.244	1436.278	0.62%	93.64%
39.0	104.328	7.955	1444.233	0.48%	94.16%
40.0	87.133	6.677	1450.911	0.41%	94.59%
41.0	72.063	5.669	1456.579	0.34%	94.96%
42.0	61.186	4.841	1461.421	0.29%	95.28%
43.0	52.531	4.212	1465.633	0.26%	95.55%
44.0	45.950	3.717	1469.35	0.23%	95.79%
45.0	40.367	3.317	1472.667	0.20%	96.01%
46.0	36.049	2.988	1475.656	0.18%	96.20%
47.0	32.666	2.733	1478.389	0.17%	96.38%
48.0	29.621	2.518	1480.907	0.15%	96.55%
49.0	27.234	2.335	1483.241	0.14%	96.70%
50.0	25.255	2.188	1485.43	0.13%	96.84%
51.0	23.525	2.064	1487.494	0.13%	96.98%
52.0	22.072	1.957	1489.45	0.12%	97.10%
53.0	20.751	1.863	1491.313	0.11%	97.23%
54.0	19.685	1.782	1493.095	0.11%	97.34%
55.0	18.661	1.712	1494.807	0.10%	97.45%
56.0	17.824	1.649	1496.456	0.10%	97.56%
57.0	17.084	1.596	1498.052	0.10%	97.66%
58.0	16.405	1.549	1499.6	0.09%	97.77%
59.0	15.790	1.505	1501.106	0.09%	97.86%
60.0	15.229	1.465	1502.571	0.09%	97.96%
61.0	14.696	1.428	1503.999	0.09%	98.05%
62.0	14.205	1.393	1505.392	0.08%	98.14%
63.0	13.783	1.361	1506.753	0.08%	98.23%
64.0	13.382	1.333	1508.086	0.08%	98.32%
65.0	12.994	1.305	1509.391	0.08%	98.40%
66.0	12.621	1.278	1510.669	0.08%	98.49%
67.0	12.247	1.250	1511.92	0.08%	98.57%
68.0	11.922	1.224	1513.144	0.07%	98.65%
69.0	11.590	1.199	1514.343	0.07%	98.73%
70.0	11.278	1.174	1515.518	0.07%	98.80%
71.0	10.974	1.150	1516.668	0.07%	98.88%
72.0	10.642	1.124	1517.792	0.07%	98.95%
73.0	10.365	1.098	1518.89	0.07%	99.02%
74.0	10.074	1.075	1519.965	0.07%	99.09%
75.0	9.798	1.050	1521.015	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.486	1.024	1522.039	0.06%	99.23%
77.0	9.209	0.997	1523.035	0.06%	99.29%
78.0	8.933	0.971	1524.007	0.06%	99.36%
79.0	8.656	0.945	1524.952	0.06%	99.42%
80.0	8.407	0.920	1525.871	0.06%	99.48%
81.0	8.158	0.896	1526.767	0.05%	99.54%
82.0	7.929	0.872	1527.64	0.05%	99.59%
83.0	7.708	0.850	1528.49	0.05%	99.65%
84.0	7.459	0.826	1529.316	0.05%	99.70%
85.0	7.258	0.803	1530.119	0.05%	99.76%
86.0	7.085	0.784	1530.903	0.05%	99.81%
87.0	6.919	0.766	1531.67	0.05%	99.86%
88.0	6.753	0.749	1532.419	0.05%	99.90%
89.0	6.636	0.734	1533.152	0.04%	99.95%
90.0	6.573	0.724	1533.877	0.04%	100.00%

Zonal flux distribution table

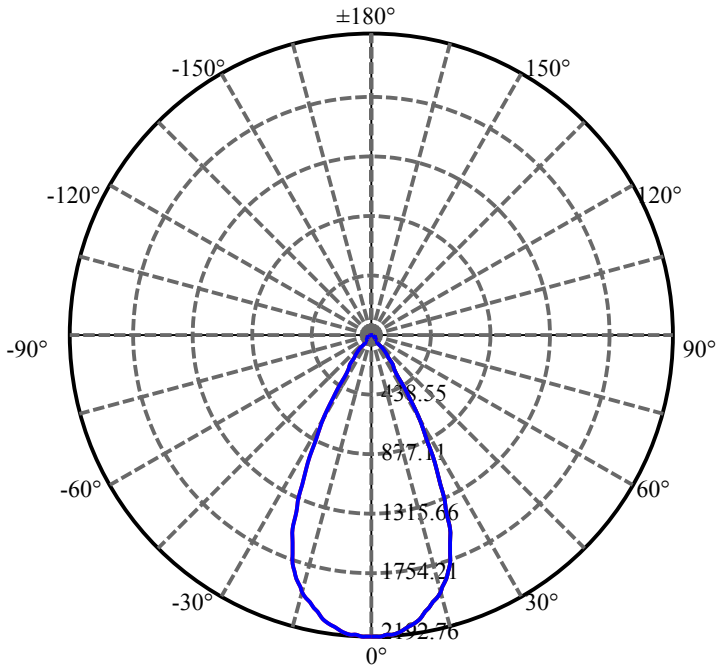
ZONAL LUMEN SUMMARY

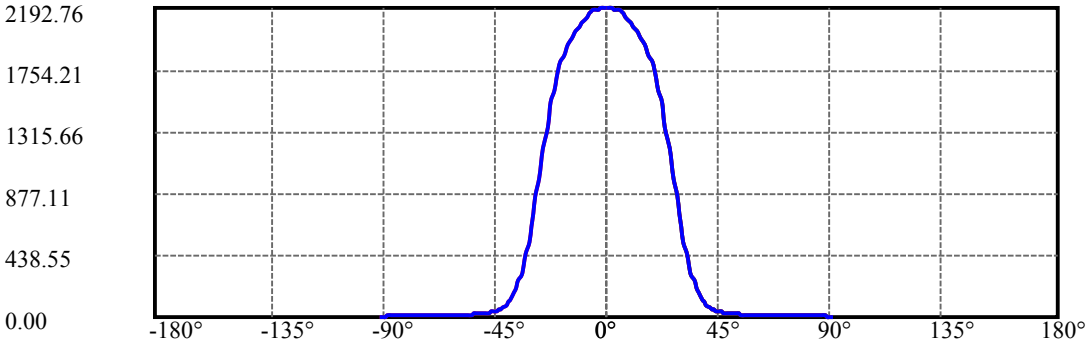
Zone	Lumens	%Lamp	%Fixt
0-30	1276.50	77.49%	83.22%
0-40	1450.91	88.08%	94.59%
0-60	1502.57	91.22%	97.96%
0-90	1533.15	93.07%	99.95%
0-120	1533.15	93.07%	99.95%
0-180	1533.88	93.12%	100.00%
60-90	30.58	1.86%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.71	1227.10	74.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	204.41
10-20	538.10
20-30	533.99
30-40	174.41
40-50	34.52
50-60	17.14
60-70	12.95
70-80	10.35
80-90	7.28
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):

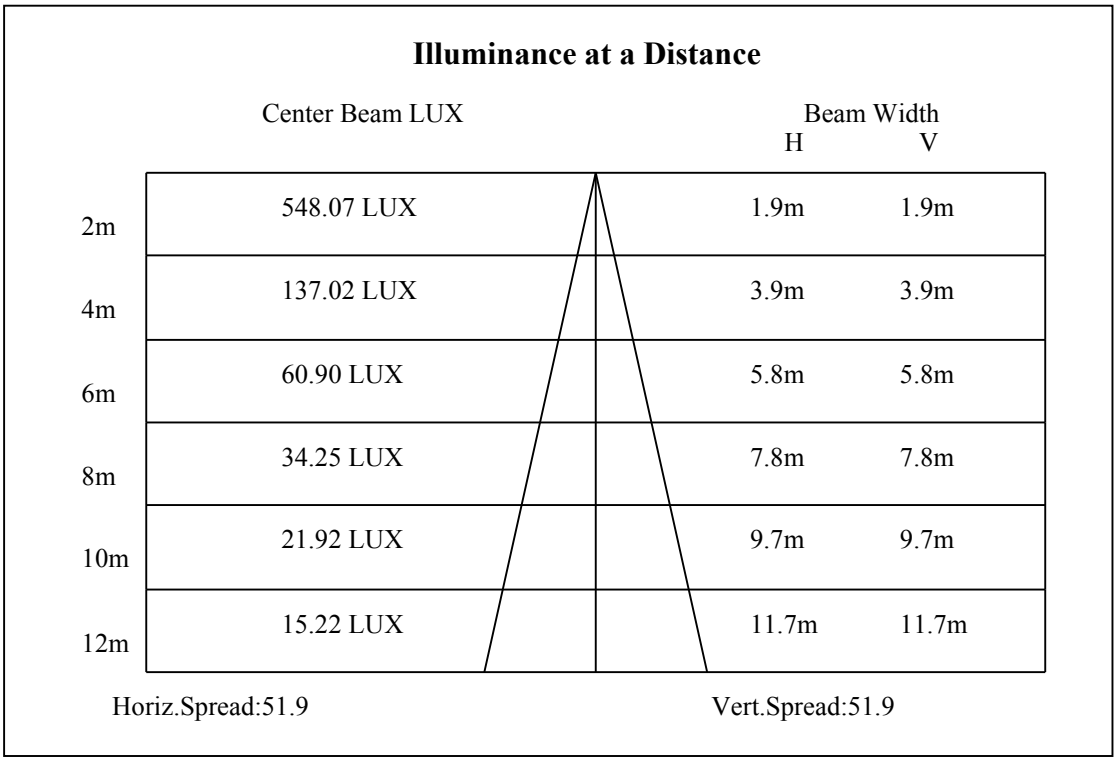
C0/C180:

C90/C270:

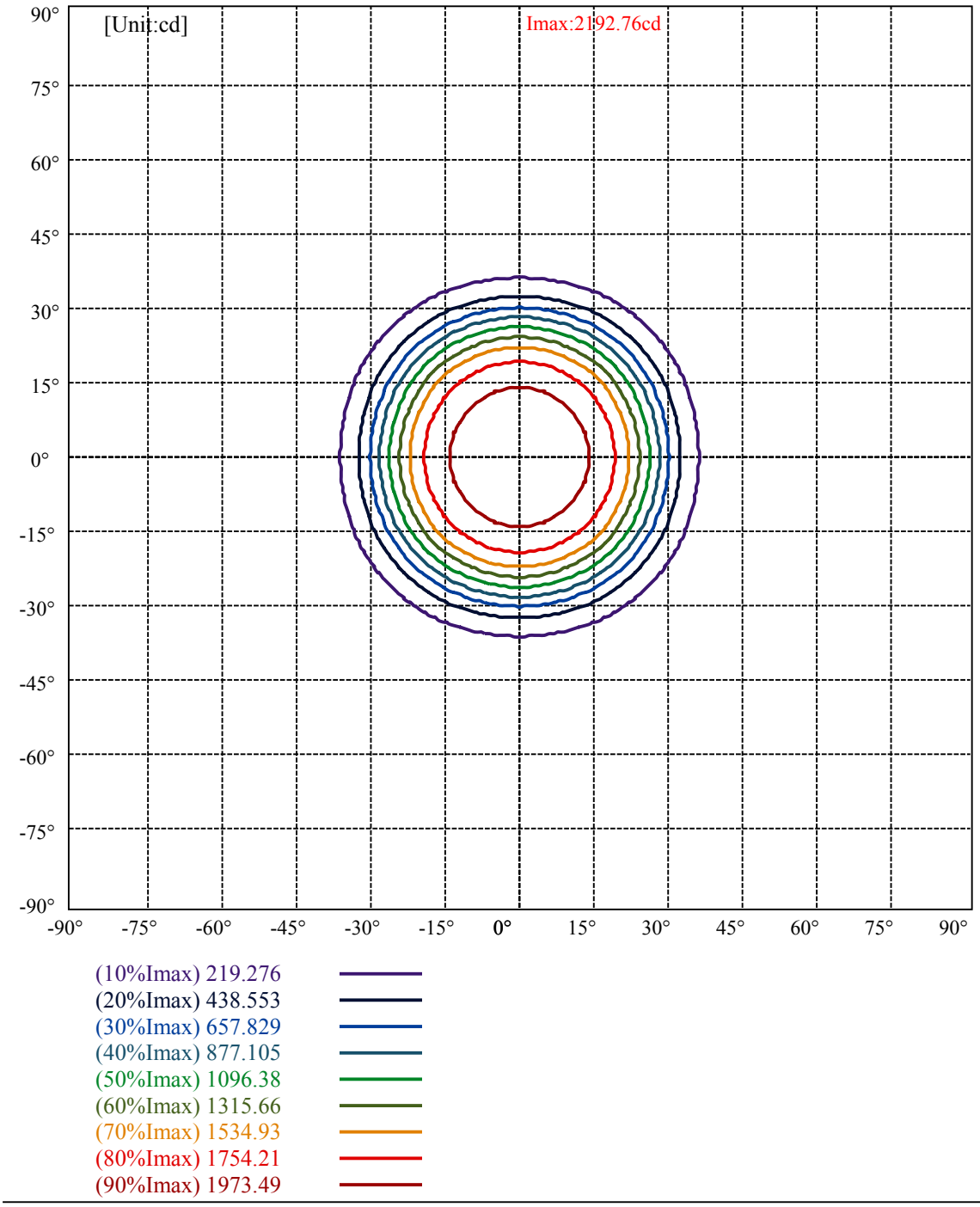
Field angle(10%Imax):C0/180Left:36.7 Right:34.7
:C90/270Left:36.7 Right:34.7

Beam Angle(50%Imax):C0/180Left:26.9 Right:24.9
:C90/270Left:26.9 Right:24.9

Lux distance Curve



ISO-Intensity(V-H)

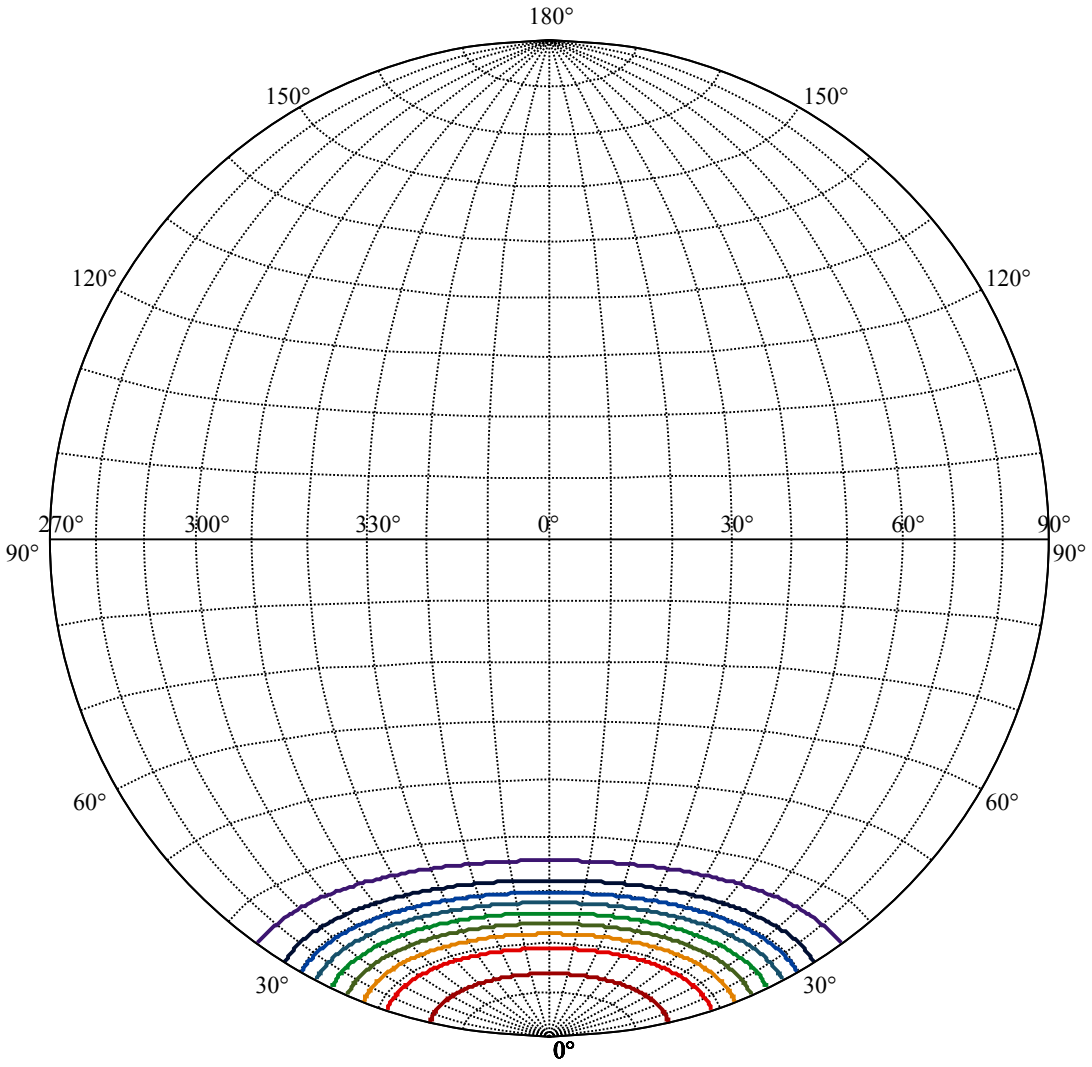


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/24
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

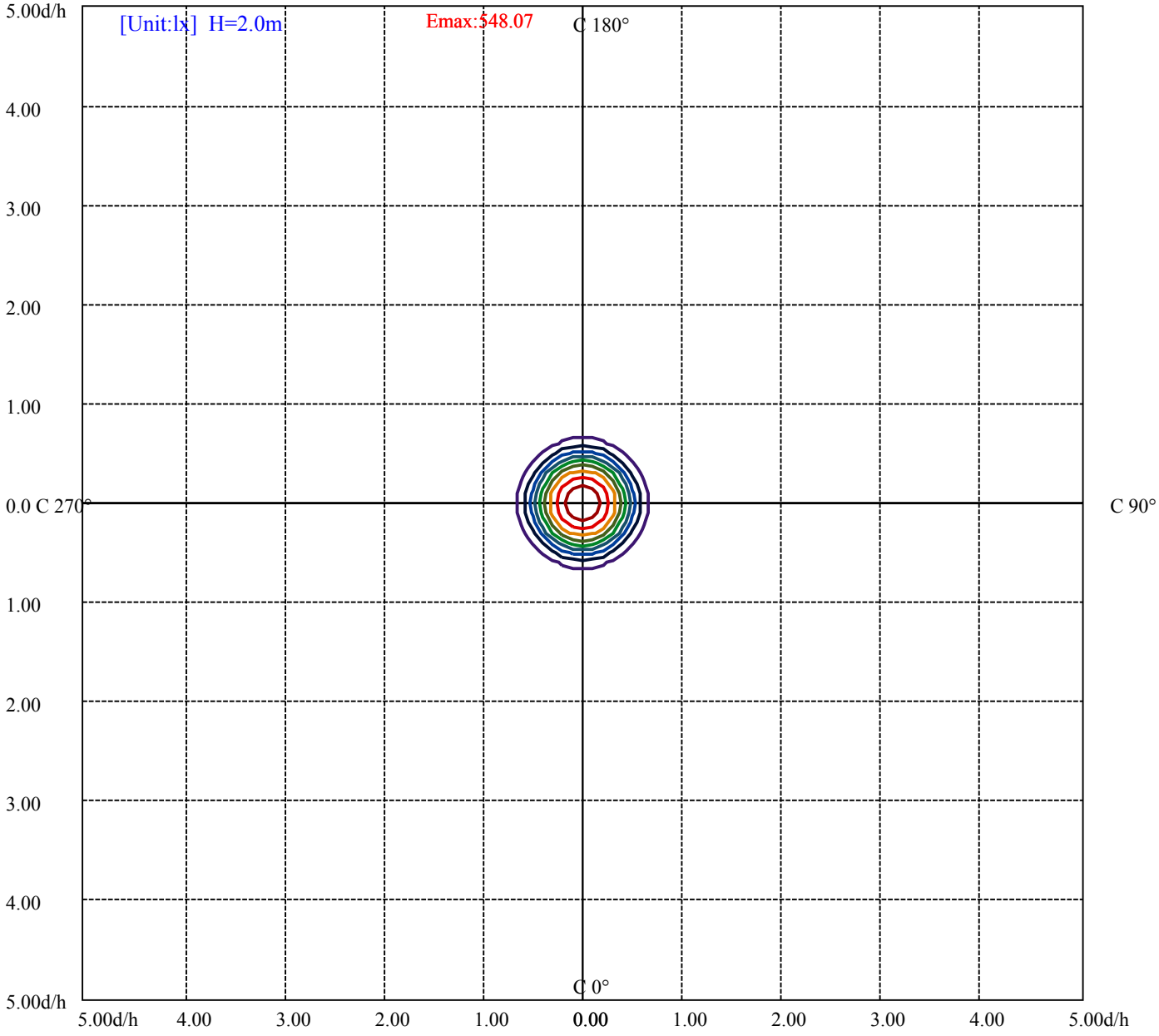
Imax:2192.76

(10%Imax) 219.276
(20%Imax) 438.553
(30%Imax) 657.829
(40%Imax) 877.105
(50%Imax) 1096.38
(60%Imax) 1315.66
(70%Imax) 1534.93
(80%Imax) 1754.21
(90%Imax) 1973.49

Equipment: GMS1980 Date: 2023/11/24 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1380-L

ISO illuminance diagram

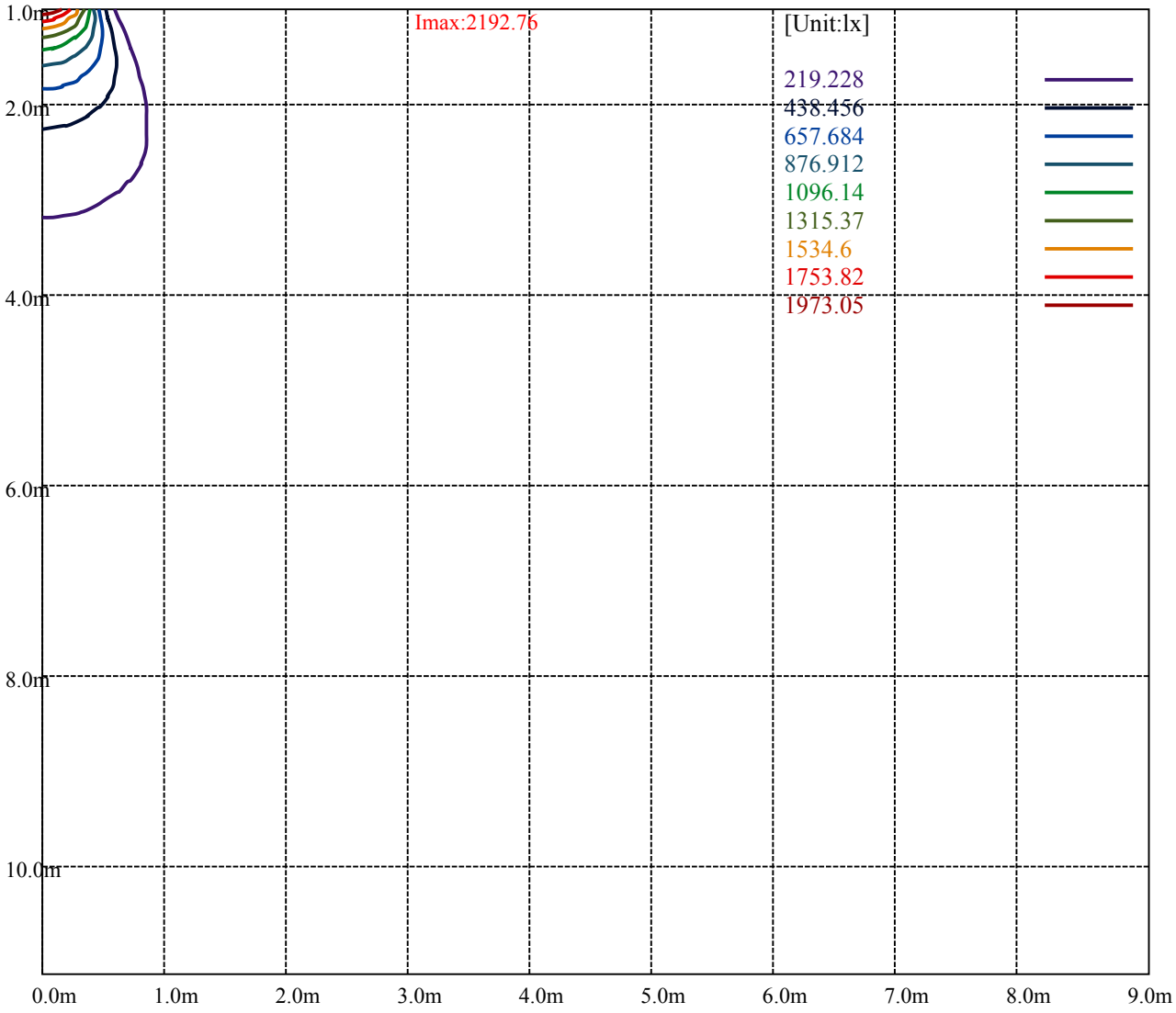


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/24
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/24
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

Luminance Limitting Curve(no luminous side)

Luminance Table

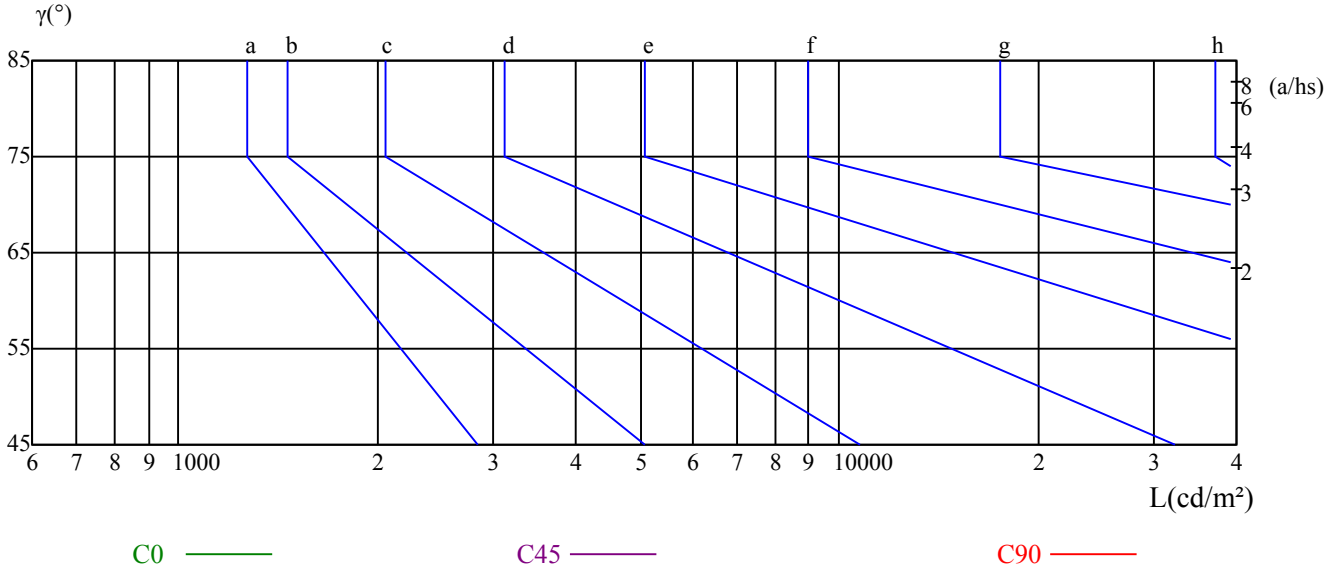
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

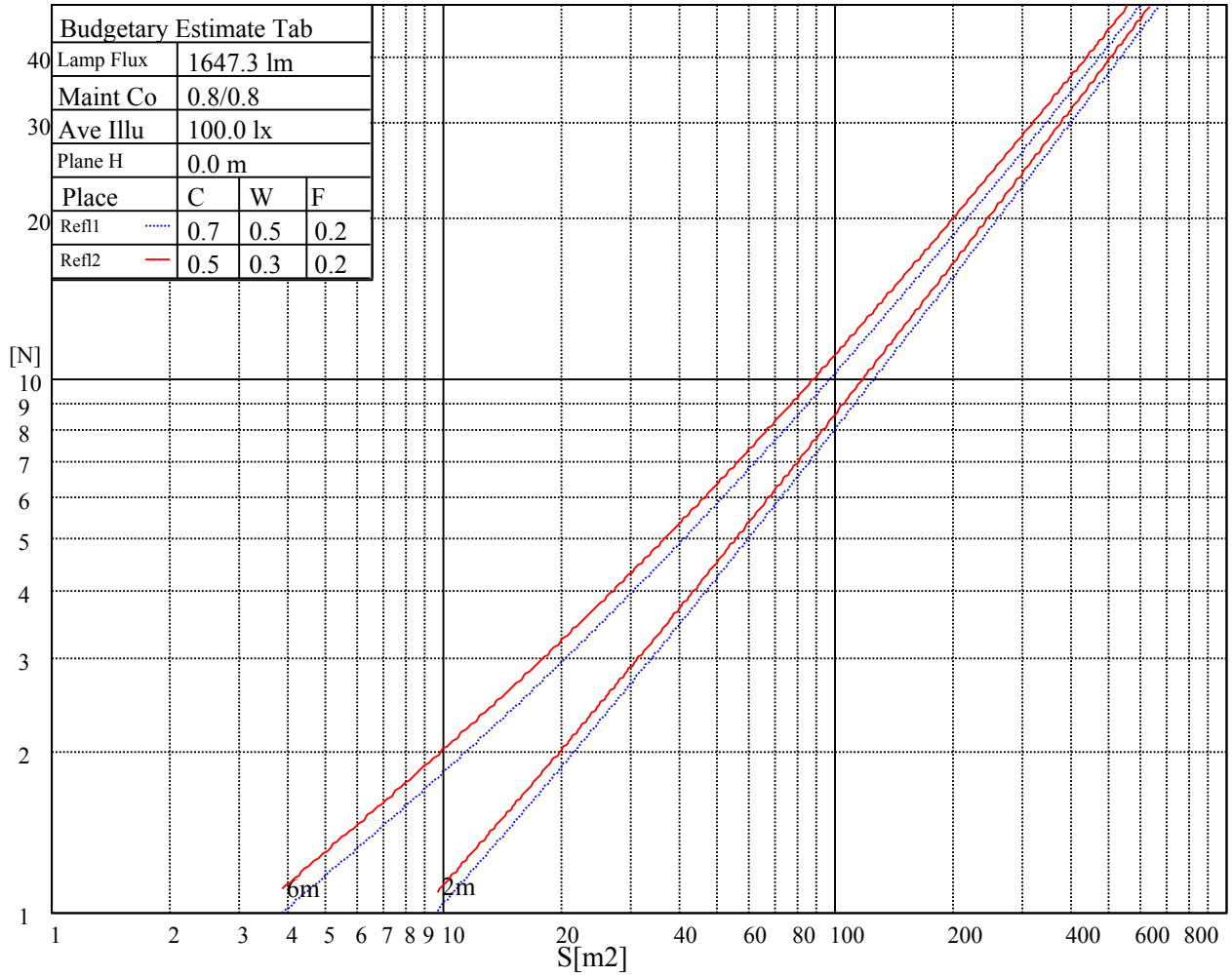
Luminance Limitting Curve



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

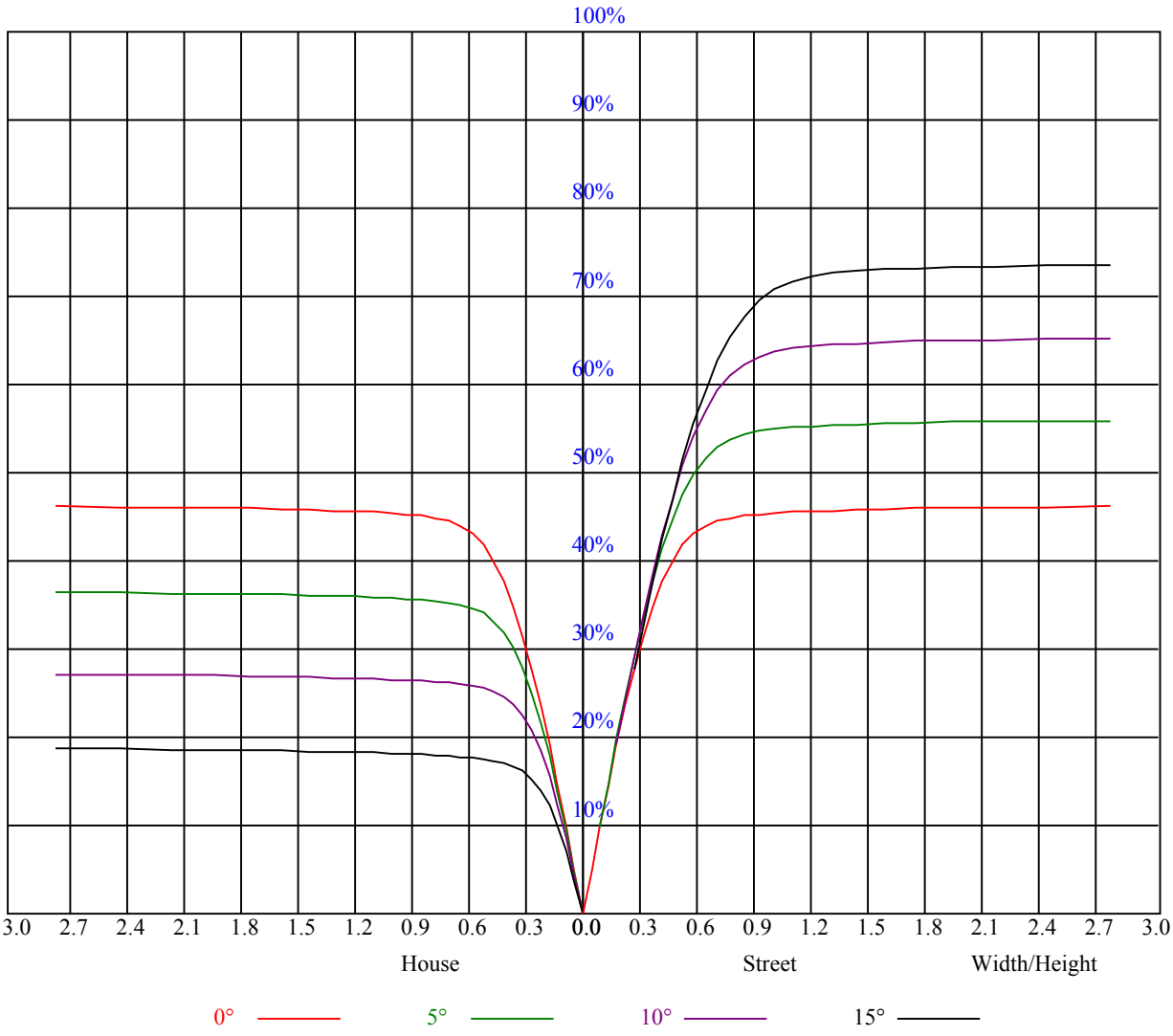


Equipment: GMS1980 Date: 2023/11/24 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.08	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	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.76	0.82	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.72
5	0.81	0.76	0.72	0.80	0.75	0.71	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	0.68	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	0.54	0.52

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/24
Humidity(%): 0.0%

Operator: NT07
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	2179.27	2174.29	2182.59	2176.50	2164.88	2154.92	2134.99	2113.40	2085.17
45.0	2194.77	2175.40	2175.40	2179.82	2169.31	2157.13	2152.70	2130.56	2103.99
90.0	2184.25	2185.91	2192.00	2185.91	2177.61	2169.86	2147.72	2118.94	2092.92
135.0	2210.82	2200.31	2192.56	2192.56	2187.57	2179.27	2173.18	2160.45	2141.08
180.0	2179.27	2198.09	2198.64	2183.70	2179.27	2182.04	2180.93	2172.63	2168.20
225.0	2194.77	2205.84	2190.90	2180.38	2187.57	2189.23	2173.74	2158.79	2143.29
270.0	2184.25	2195.32	2206.39	2188.68	2173.74	2180.38	2174.84	2164.33	2149.38
315.0	2210.82	2206.95	2190.34	2187.57	2185.91	2177.06	2157.68	2145.51	2127.79
360.0	2179.27	2174.29	2182.59	2176.50	2164.88	2154.92	2134.99	2113.40	2085.17

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2046.98	2025.39	1997.16	1968.37	1922.43	1887.56	1851.58	1801.76	1759.69
45.0	2075.21	2049.74	2027.05	1994.39	1966.71	1938.48	1914.13	1873.72	1837.19
90.0	2067.46	2034.80	2013.76	1981.66	1954.54	1926.31	1885.34	1847.70	1797.33
135.0	2113.95	2094.03	2065.80	2049.19	2027.05	1989.96	1955.09	1919.66	1868.18
180.0	2150.49	2134.99	2106.20	2075.21	2051.40	2019.30	1989.96	1963.95	1930.73
225.0	2130.56	2101.78	2073.55	2055.28	2029.82	2009.34	1975.02	1945.68	1915.23
270.0	2142.18	2122.81	2099.56	2071.89	2055.28	2032.03	2005.46	1961.18	1930.73
315.0	2102.88	2065.24	2040.89	2013.21	1981.11	1949.00	1914.68	1869.29	1814.49
360.0	2046.98	2025.39	1997.16	1968.37	1922.43	1887.56	1851.58	1801.76	1759.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1712.64	1637.36	1566.51	1481.82	1368.34	1103.58	1103.58	1018.12	904.37
45.0	1785.71	1728.69	1646.22	1568.17	1490.12	1404.32	1285.86	1181.25	1041.75
90.0	1720.39	1650.64	1571.49	1484.03	1368.34	1099.43	1099.43	1043.58	899.77
135.0	1824.45	1766.33	1680.54	1602.49	1517.24	1421.48	1290.85	1181.25	1067.77
180.0	1887.00	1848.81	1806.19	1750.83	1666.14	1586.99	1497.31	1381.63	1284.20
225.0	1879.81	1822.79	1766.33	1683.86	1615.77	1537.17	1427.02	1335.68	1093.12
270.0	1897.52	1846.60	1801.21	1727.59	1661.16	1587.54	1500.64	1376.09	1280.88
315.0	1770.76	1724.82	1658.95	1592.52	1494.55	1410.96	1239.37	1104.08	1104.08
360.0	1712.64	1637.36	1566.51	1481.82	1368.34	1103.58	1103.58	1018.12	904.37

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	789.51	682.01	557.02	468.46	391.46	326.36	270.46	211.56	172.48
45.0	924.96	805.95	670.33	572.91	486.00	389.69	323.27	293.37	293.37
90.0	784.58	677.86	581.88	474.32	398.05	314.02	257.45	209.35	162.41
135.0	949.31	800.41	662.58	565.71	479.36	403.53	323.82	282.30	282.30
180.0	1178.48	1039.54	919.98	800.97	659.81	557.41	468.84	375.30	313.30
225.0	1093.12	978.65	862.91	753.42	626.82	536.71	453.90	381.94	301.62
270.0	1178.48	1066.66	913.89	801.52	690.26	584.53	471.61	394.67	313.30
315.0	969.13	856.82	749.32	646.14	524.09	441.44	369.43	295.37	247.26
360.0	789.51	682.01	557.02	468.46	391.46	326.36	270.46	211.56	172.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	133.73	110.54	91.78	74.40	63.27	54.63	46.11	40.80	36.37
45.0	161.63	130.80	106.94	88.73	74.56	61.22	53.42	45.78	40.96
90.0	133.73	111.54	93.33	76.11	65.76	57.68	51.15	44.06	39.47
135.0	176.52	137.72	113.25	94.49	79.27	65.10	56.41	49.21	43.34
180.0	285.07	285.07	162.19	132.24	108.77	90.34	72.29	61.72	53.58
225.0	246.10	200.99	155.32	125.93	103.12	81.70	68.92	59.06	49.76
270.0	285.62	285.62	171.54	134.07	111.21	88.95	75.61	65.10	56.41
315.0	205.42	162.96	135.56	108.66	91.11	76.89	65.59	54.52	47.71
360.0	133.73	110.54	91.78	74.40	63.27	54.63	46.11	40.80	36.37

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	33.05	29.61	27.34	25.46	23.80	22.03	20.87	19.82	18.71
45.0	37.09	32.99	30.22	27.84	25.35	23.75	22.31	21.15	19.93
90.0	35.65	31.83	29.39	26.79	25.08	23.47	22.20	20.76	19.76
135.0	37.64	33.88	30.89	27.73	25.68	23.53	22.09	20.92	19.93
180.0	45.39	40.30	36.15	32.11	29.50	27.34	25.02	23.41	22.09
225.0	43.90	39.25	35.43	31.50	28.95	26.85	24.91	22.97	21.64
270.0	47.83	42.46	38.08	34.49	30.89	28.45	26.40	24.63	22.75
315.0	42.40	38.08	33.82	31.05	28.62	26.63	24.41	22.92	21.20
360.0	33.05	29.61	27.34	25.46	23.80	22.03	20.87	19.82	18.71

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.93	17.05	16.44	15.89	15.39	14.78	14.34	13.89	13.56
45.0	18.99	18.21	17.44	16.66	16.11	15.39	14.89	14.39	13.84
90.0	18.88	17.99	17.16	16.50	15.89	15.39	14.78	14.34	13.78
135.0	18.71	17.93	17.21	16.61	15.83	15.33	14.83	14.23	13.84
180.0	20.87	19.60	18.71	17.88	17.21	16.44	15.89	15.33	14.72
225.0	20.54	19.32	18.43	17.49	16.83	16.22	15.61	14.95	14.50
270.0	21.48	20.09	19.15	18.32	17.38	16.77	16.16	15.61	15.00
315.0	20.09	19.10	18.05	17.33	16.61	16.00	15.33	14.83	14.39
360.0	17.93	17.05	16.44	15.89	15.39	14.78	14.34	13.89	13.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.12	12.79	12.45	12.12	11.73	11.40	11.07	10.79	10.52
45.0	13.51	13.17	12.79	12.34	12.01	11.73	11.46	11.07	10.79
90.0	13.40	13.01	12.62	12.23	11.90	11.57	11.24	10.90	10.68
135.0	13.45	13.01	12.68	12.40	11.96	11.68	11.40	11.13	10.74
180.0	14.28	13.89	13.45	13.06	12.68	12.34	12.01	11.73	11.40
225.0	14.06	13.62	13.17	12.84	12.51	12.12	11.79	11.46	11.13
270.0	14.50	14.12	13.67	13.23	12.84	12.51	12.12	11.79	11.46
315.0	13.95	13.45	13.12	12.73	12.34	12.01	11.62	11.35	11.07
360.0	13.12	12.79	12.45	12.12	11.73	11.40	11.07	10.79	10.52

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.13	9.85	9.63	9.30	9.02	8.80	8.52	8.25	8.03
45.0	10.41	10.13	9.91	9.63	9.30	8.97	8.69	8.47	8.19
90.0	10.30	10.02	9.74	9.47	9.13	8.86	8.64	8.25	8.08
135.0	10.46	10.19	9.91	9.63	9.35	9.08	8.80	8.58	8.25
180.0	11.13	10.85	10.52	10.19	9.91	9.63	9.30	9.08	8.80
225.0	10.85	10.57	10.19	9.96	9.69	9.35	9.08	8.80	8.58
270.0	11.13	10.85	10.57	10.24	9.91	9.69	9.41	9.08	8.80
315.0	10.74	10.46	10.13	9.96	9.58	9.30	9.02	8.75	8.52
360.0	10.13	9.85	9.63	9.30	9.02	8.80	8.52	8.25	8.03

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.80	7.58	7.36	7.14	6.97	6.86	6.70	6.53	6.53
45.0	7.97	7.75	7.53	7.31	7.14	6.97	6.81	6.64	6.53
90.0	7.80	7.64	7.42	7.20	7.03	6.86	6.75	6.53	6.53
135.0	8.03	7.86	7.58	7.36	7.14	7.03	6.86	6.70	6.53
180.0	8.52	8.25	7.97	7.75	7.58	7.31	7.09	6.97	6.81
225.0	8.30	8.03	7.86	7.58	7.36	7.20	7.03	6.86	6.70
270.0	8.52	8.25	8.08	7.80	7.53	7.31	7.14	6.92	6.81
315.0	8.30	8.08	7.86	7.53	7.31	7.14	6.97	6.86	6.64
360.0	7.80	7.58	7.36	7.14	6.97	6.86	6.70	6.53	6.53

Intensity data(cd)

C/γ(°)	90.0
0.0	6.59
45.0	6.53
90.0	6.53
135.0	6.48
180.0	6.64
225.0	6.53
270.0	6.64
315.0	6.64
360.0	6.59