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NT

Client:
LumCAT: 2-2643-L
Luminaire: 92.70.411.00
Report No: 20231026-B005
Ballast type: AC

Test No: 20231026-C005	Voltage(V): 35.160
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2083.2	Power (W): 17.052
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1979.18, Efficiency(%): 95.01% , Luminous Efficacy(lm/W): 116.07
Central intensity(cd): 11277.740, Maximum intensity(cd): 11277.740
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.2
[C90/270]Total=17.2
Field angle(10%Imax): [C0/180]Total=44.4
[C90/270]Total=44.4
Maximum s/h(1/2): C0_180=0.29 C90_270=0.29
Maximum s/h(1/4): C0_180=0.32 C90_270=0.32
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.01%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.142%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11277.742	0.000	0	0.00%	0.00%
1.0	11248.267	10.778	10.778	0.52%	0.54%
2.0	11005.541	31.941	42.719	1.53%	2.16%
3.0	10448.061	51.310	94.029	2.46%	4.75%
4.0	9741.334	67.580	161.609	3.24%	8.17%
5.0	8897.745	80.184	241.794	3.85%	12.22%
6.0	7988.216	88.740	330.534	4.26%	16.70%
7.0	7038.971	93.273	423.807	4.48%	21.41%
8.0	6159.541	94.459	518.267	4.53%	26.19%
9.0	5271.877	92.645	610.912	4.45%	30.87%
10.0	4508.343	88.507	699.419	4.25%	35.34%
11.0	3885.615	83.873	783.292	4.03%	39.58%
12.0	3326.198	78.835	862.128	3.78%	43.56%
13.0	2899.214	73.880	936.008	3.55%	47.29%
14.0	2612.828	70.554	1006.561	3.39%	50.86%
15.0	2468.425	69.758	1076.319	3.35%	54.38%
16.0	2086.692	66.745	1143.064	3.20%	57.75%
17.0	1827.015	60.947	1204.011	2.93%	60.83%
18.0	1661.438	57.517	1261.528	2.76%	63.74%
19.0	1520.287	55.356	1316.884	2.66%	66.54%
20.0	1351.721	52.566	1369.449	2.52%	69.19%
21.0	1207.781	49.148	1418.597	2.36%	71.68%
22.0	1146.816	47.317	1465.914	2.27%	74.07%
23.0	1053.898	46.177	1512.091	2.22%	76.40%
24.0	970.300	44.256	1556.347	2.12%	78.64%
25.0	880.240	42.077	1598.424	2.02%	80.76%
26.0	792.809	39.493	1637.917	1.90%	82.76%
27.0	708.540	36.731	1674.647	1.76%	84.61%
28.0	623.109	33.715	1708.362	1.62%	86.32%
29.0	545.883	30.584	1738.946	1.47%	87.86%
30.0	470.353	27.438	1766.384	1.32%	89.25%
31.0	400.317	24.229	1790.614	1.16%	90.47%
32.0	337.325	21.133	1811.746	1.01%	91.54%
33.0	280.117	18.190	1829.936	0.87%	92.46%
34.0	244.317	15.871	1845.807	0.76%	93.26%
35.0	207.950	14.046	1859.853	0.67%	93.97%
36.0	154.001	11.525	1871.378	0.55%	94.55%
37.0	121.245	8.977	1880.355	0.43%	95.01%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.914	7.315	1887.67	0.35%	95.38%
39.0	79.460	6.054	1893.724	0.29%	95.68%
40.0	65.449	5.054	1898.778	0.24%	95.94%
41.0	54.433	4.269	1903.047	0.20%	96.15%
42.0	46.013	3.649	1906.696	0.18%	96.34%
43.0	39.868	3.181	1909.878	0.15%	96.50%
44.0	35.260	2.836	1912.713	0.14%	96.64%
45.0	31.711	2.574	1915.287	0.12%	96.77%
46.0	29.081	2.377	1917.664	0.11%	96.89%
47.0	26.798	2.222	1919.887	0.11%	97.00%
48.0	24.923	2.091	1921.978	0.10%	97.11%
49.0	23.276	1.979	1923.957	0.10%	97.21%
50.0	22.003	1.888	1925.845	0.09%	97.31%
51.0	20.896	1.815	1927.66	0.09%	97.40%
52.0	19.955	1.753	1929.413	0.08%	97.49%
53.0	19.139	1.701	1931.113	0.08%	97.57%
54.0	18.537	1.661	1932.774	0.08%	97.66%
55.0	17.983	1.630	1934.404	0.08%	97.74%
56.0	17.582	1.607	1936.011	0.08%	97.82%
57.0	17.284	1.594	1937.605	0.08%	97.90%
58.0	17.125	1.591	1939.196	0.08%	97.98%
59.0	17.077	1.599	1940.795	0.08%	98.06%
60.0	17.035	1.612	1942.407	0.08%	98.14%
61.0	16.959	1.622	1944.029	0.08%	98.22%
62.0	16.883	1.631	1945.66	0.08%	98.31%
63.0	16.731	1.635	1947.295	0.08%	98.39%
64.0	16.343	1.623	1948.918	0.08%	98.47%
65.0	15.748	1.588	1950.506	0.08%	98.55%
66.0	15.139	1.541	1952.047	0.07%	98.63%
67.0	14.496	1.490	1953.537	0.07%	98.70%
68.0	13.804	1.434	1954.971	0.07%	98.78%
69.0	13.216	1.378	1956.349	0.07%	98.85%
70.0	12.717	1.332	1957.681	0.06%	98.91%
71.0	12.268	1.291	1958.972	0.06%	98.98%
72.0	11.908	1.257	1960.229	0.06%	99.04%
73.0	11.597	1.229	1961.458	0.06%	99.10%
74.0	11.320	1.205	1962.663	0.06%	99.17%
75.0	11.071	1.183	1963.846	0.06%	99.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.808	1.161	1965.008	0.06%	99.28%
77.0	10.566	1.140	1966.147	0.05%	99.34%
78.0	10.330	1.119	1967.266	0.05%	99.40%
79.0	10.088	1.097	1968.363	0.05%	99.45%
80.0	9.881	1.077	1969.439	0.05%	99.51%
81.0	9.659	1.057	1970.496	0.05%	99.56%
82.0	9.438	1.036	1971.532	0.05%	99.61%
83.0	9.230	1.015	1972.546	0.05%	99.66%
84.0	9.030	0.995	1973.541	0.05%	99.72%
85.0	8.863	0.977	1974.518	0.05%	99.76%
86.0	8.711	0.961	1975.478	0.05%	99.81%
87.0	8.531	0.944	1976.422	0.05%	99.86%
88.0	8.428	0.929	1977.351	0.04%	99.91%
89.0	8.324	0.918	1978.269	0.04%	99.95%
90.0	8.234	0.908	1979.177	0.04%	100.00%

Zonal flux distribution table

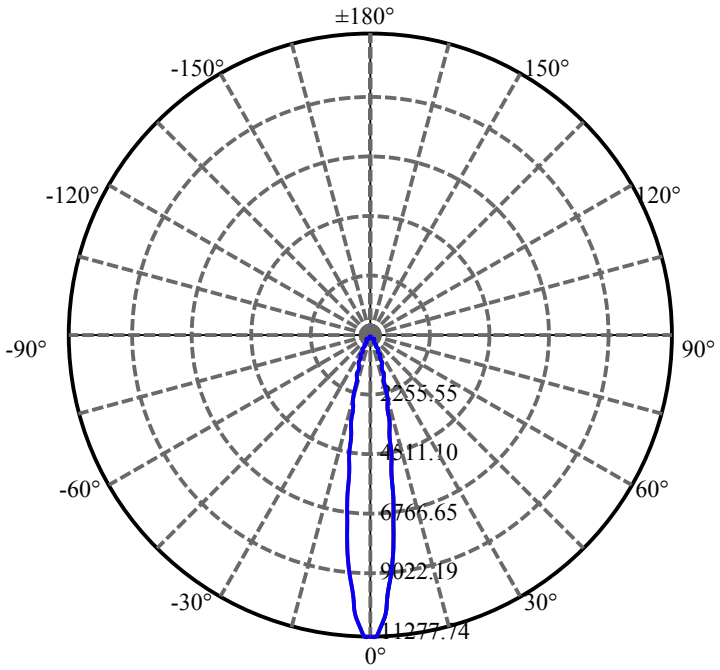
ZONAL LUMEN SUMMARY

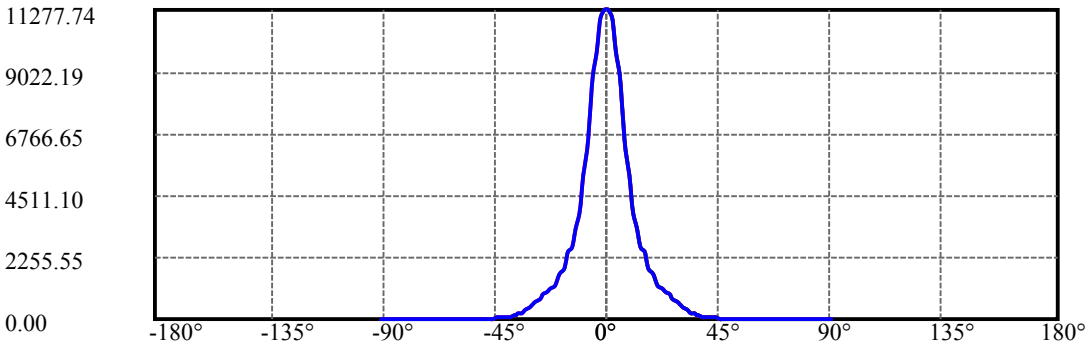
Zone	Lumens	%Lamp	%Fixt
0-30	1766.38	84.79%	89.25%
0-40	1898.78	91.15%	95.94%
0-60	1942.41	93.24%	98.14%
0-90	1978.27	94.97%	99.95%
0-120	1978.27	94.97%	99.95%
0-180	1979.18	95.01%	100.00%
60-90	35.86	1.72%	1.81%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.64	1583.34	76.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	699.42
10-20	670.03
20-30	396.93
30-40	132.39
40-50	27.07
50-60	16.56
60-70	15.27
70-80	11.76
80-90	8.83
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):

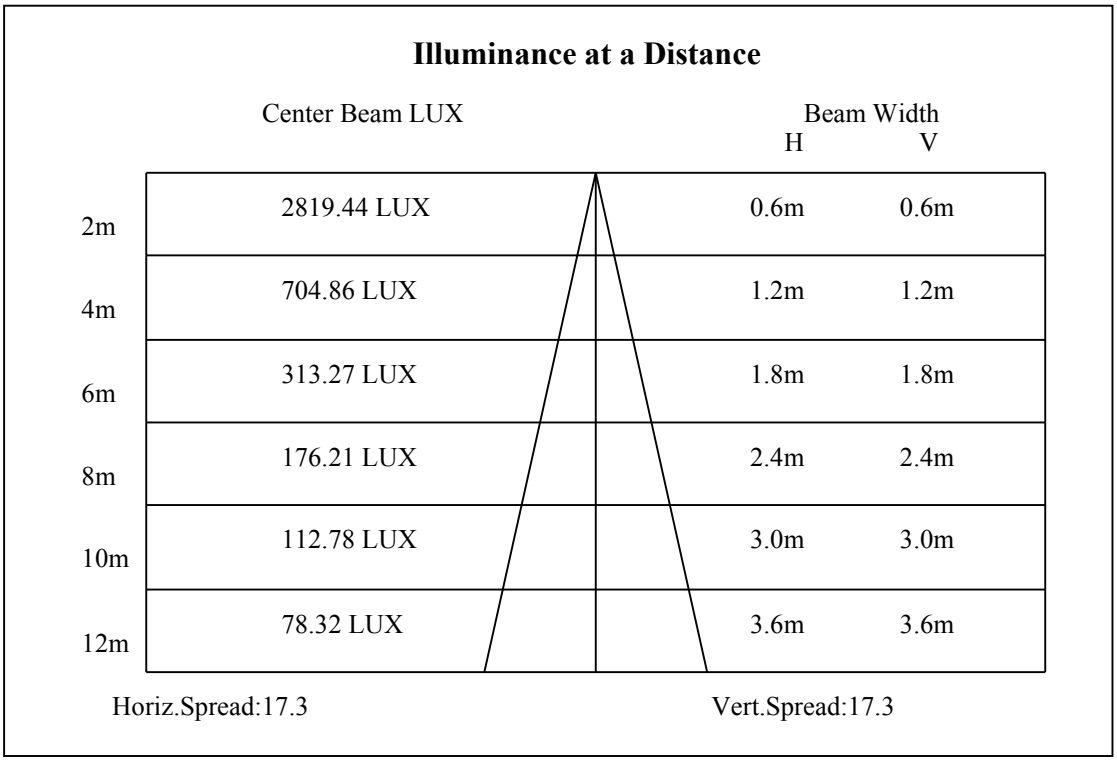
C0/C180:

C90/C270:

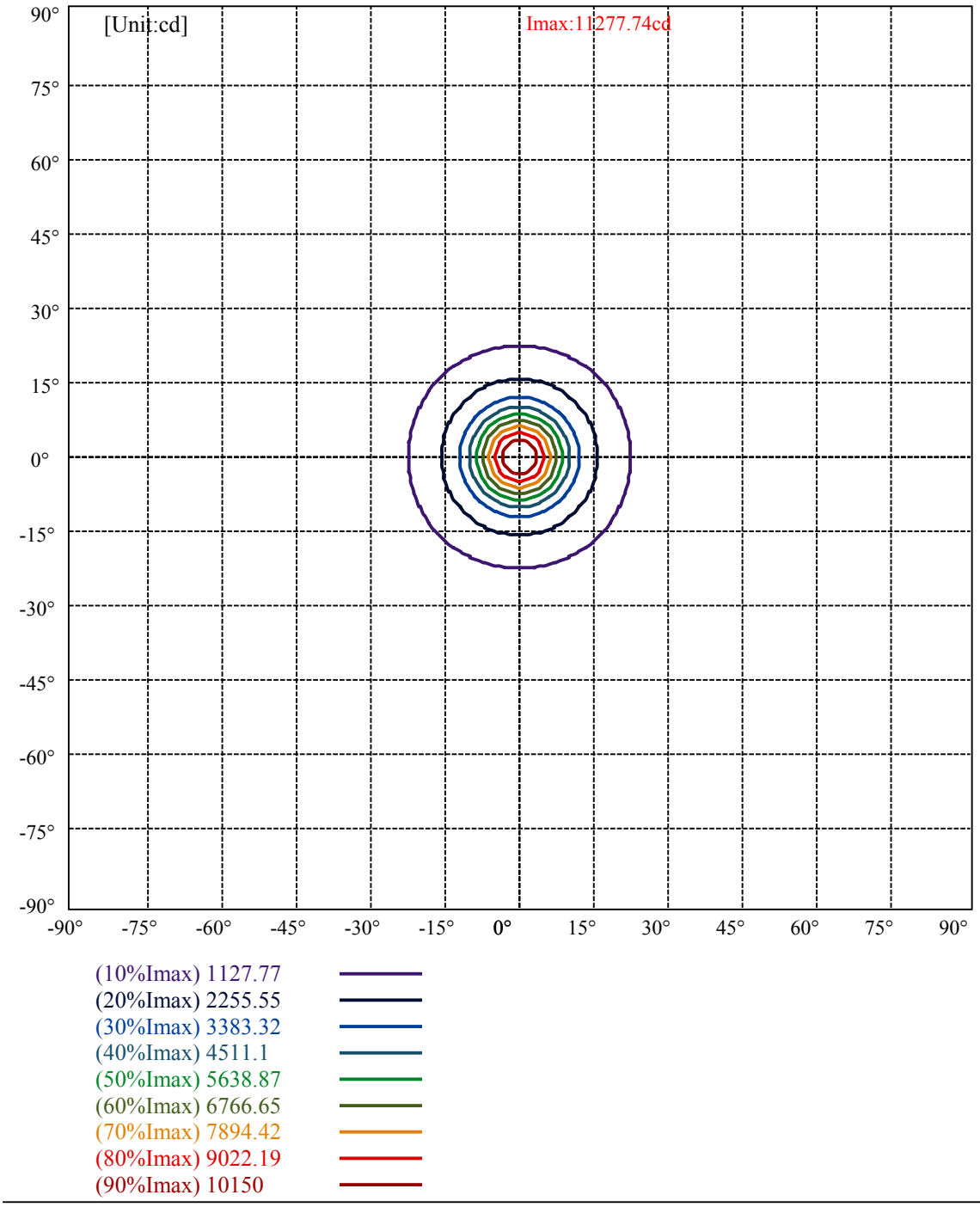
Field angle(10%Imax):C0/180Left:22.2 Right:22.2
:C90/270Left:22.2 Right:22.2

Beam Angle(50%Imax):C0/180Left:8.6 Right:8.6
:C90/270Left:8.6 Right:8.6

Lux distance Curve



ISO-Intensity(V-H)

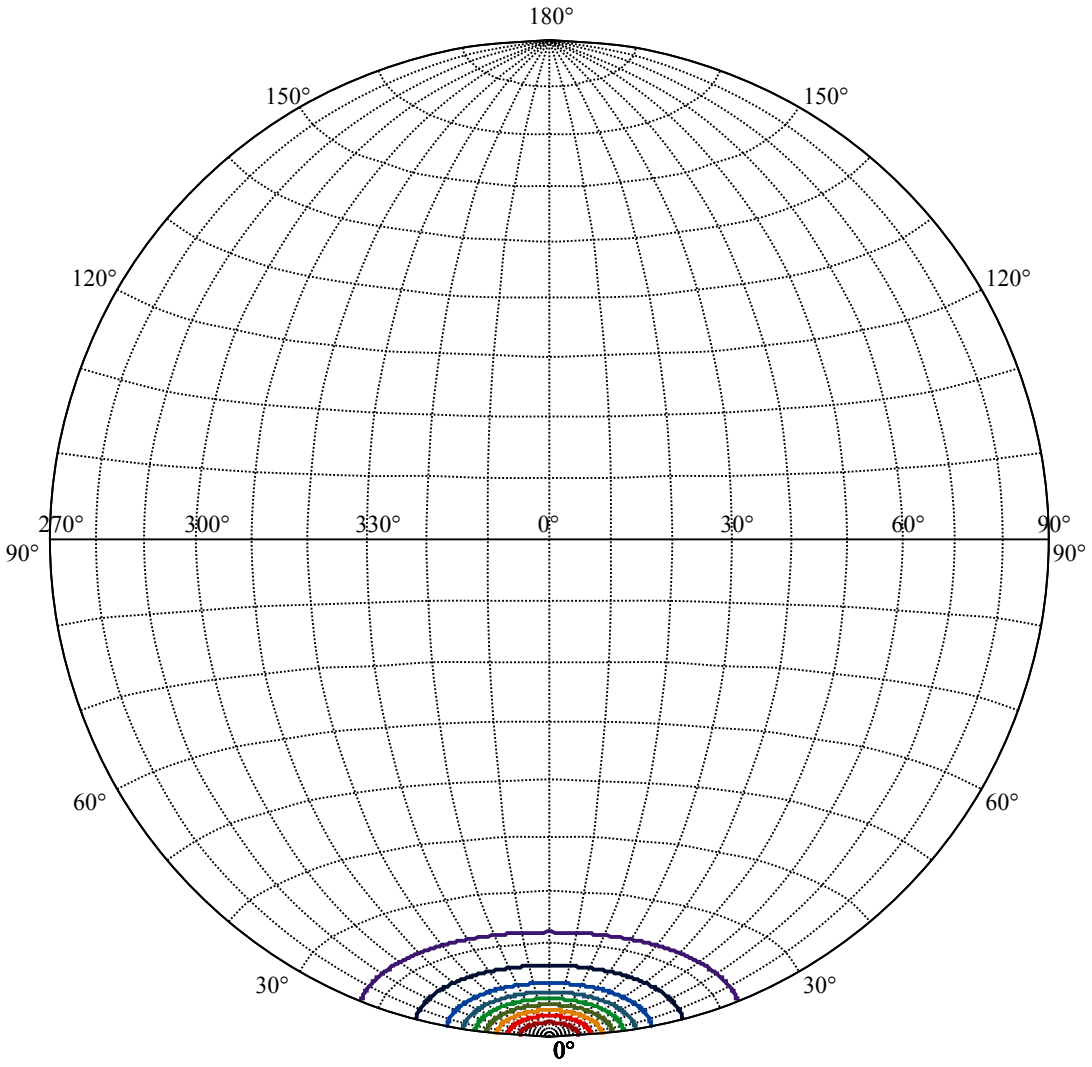


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:11277.74

(10%Imax) 1127.77
(20%Imax) 2255.55
(30%Imax) 3383.32
(40%Imax) 4511.1
(50%Imax) 5638.87
(60%Imax) 6766.65
(70%Imax) 7894.42
(80%Imax) 9022.19
(90%Imax) 10150

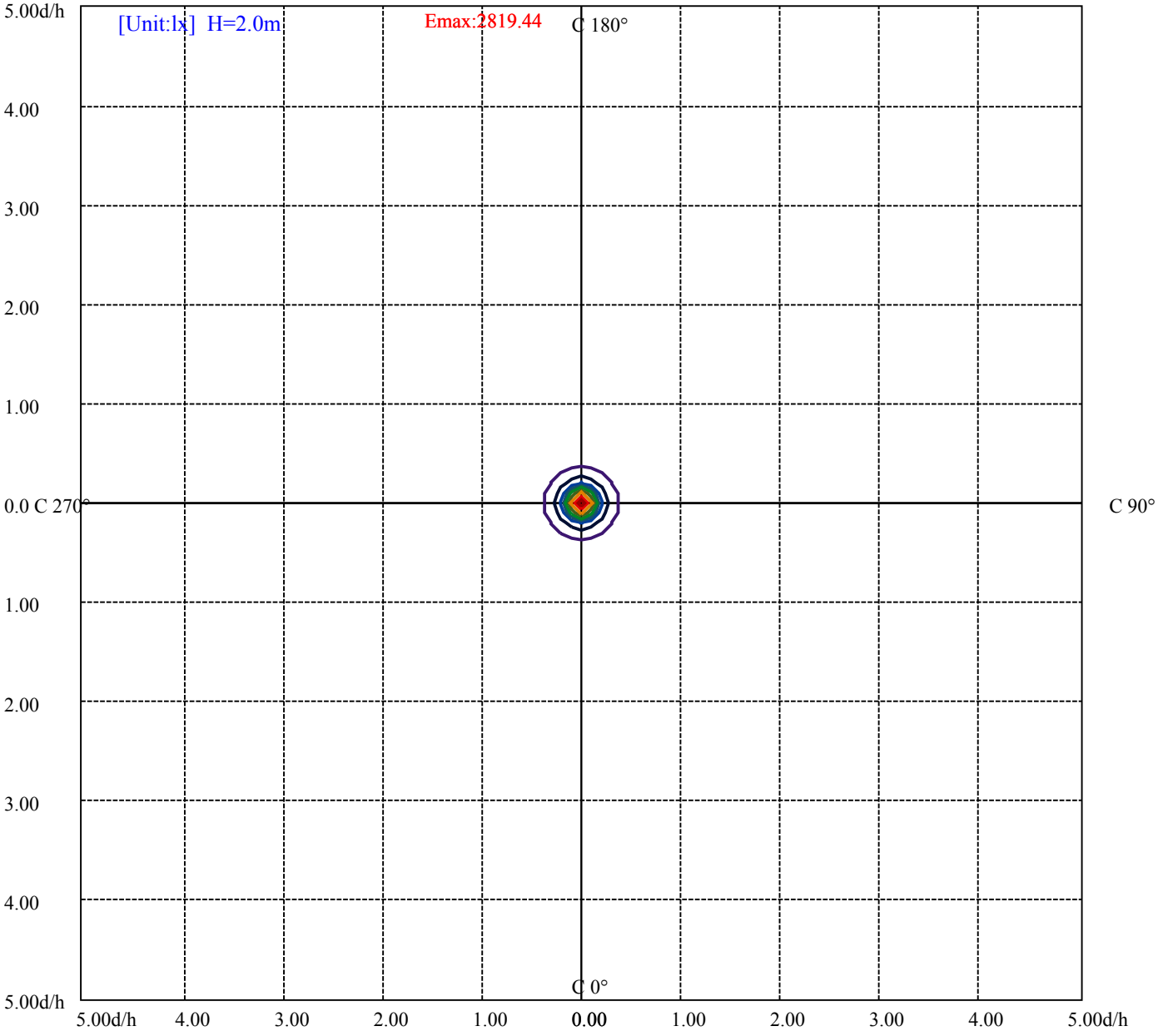
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2643-L

ISO illuminance diagram



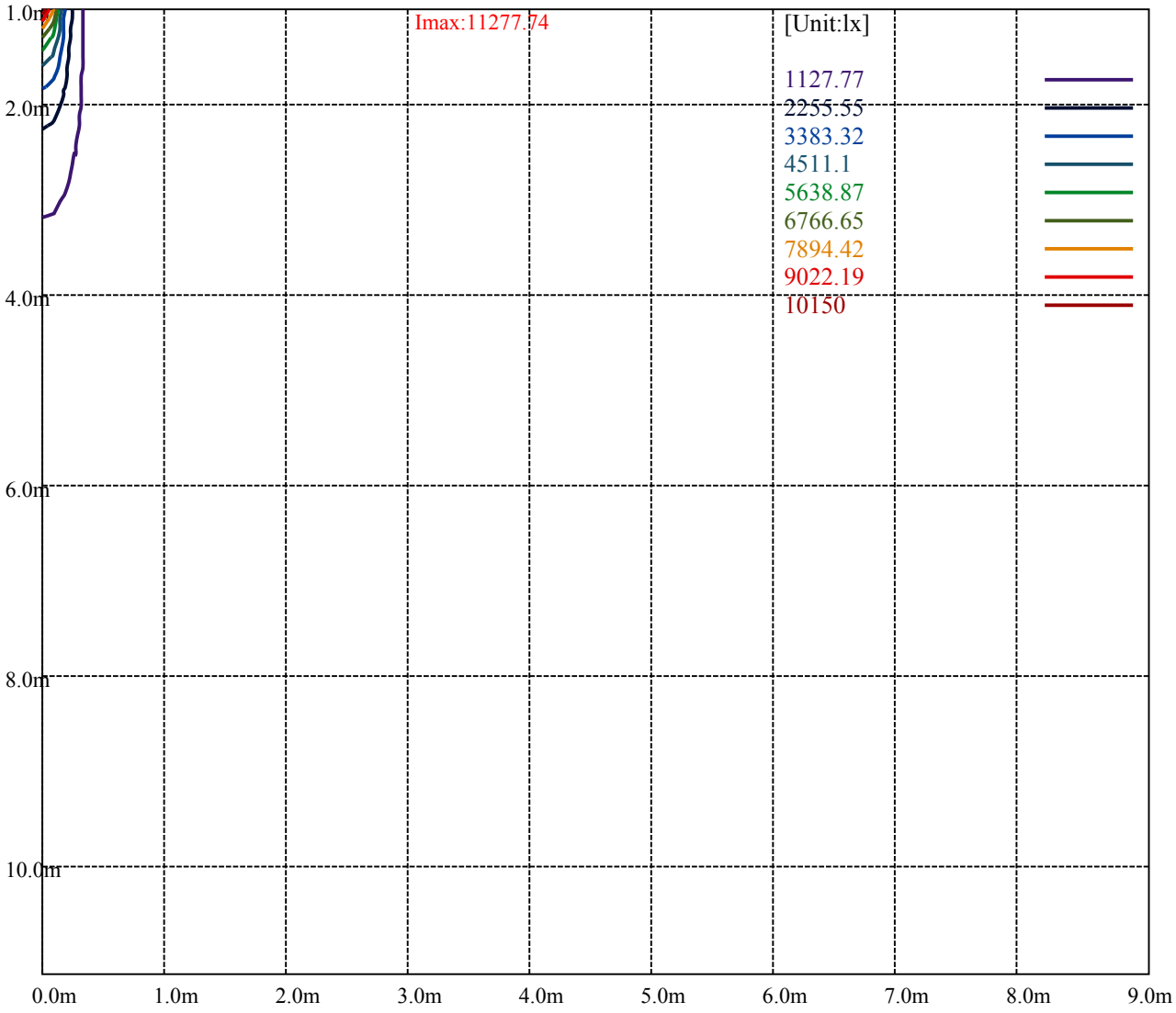
(10%Emax) 281.9425
(20%Emax) 563.8875
(30%Emax) 845.83
(40%Emax) 1127.775
(50%Emax) 1409.718
(60%Emax) 1691.66
(70%Emax) 1973.605
(80%Emax) 2255.548
(90%Emax) 2537.5

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

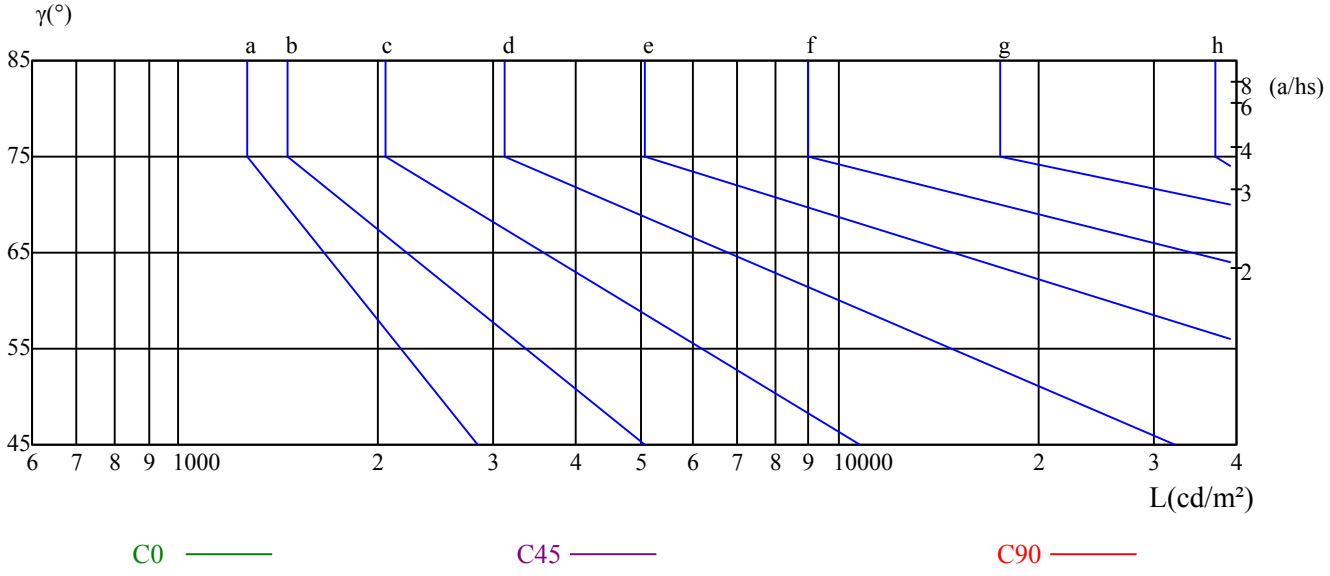
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

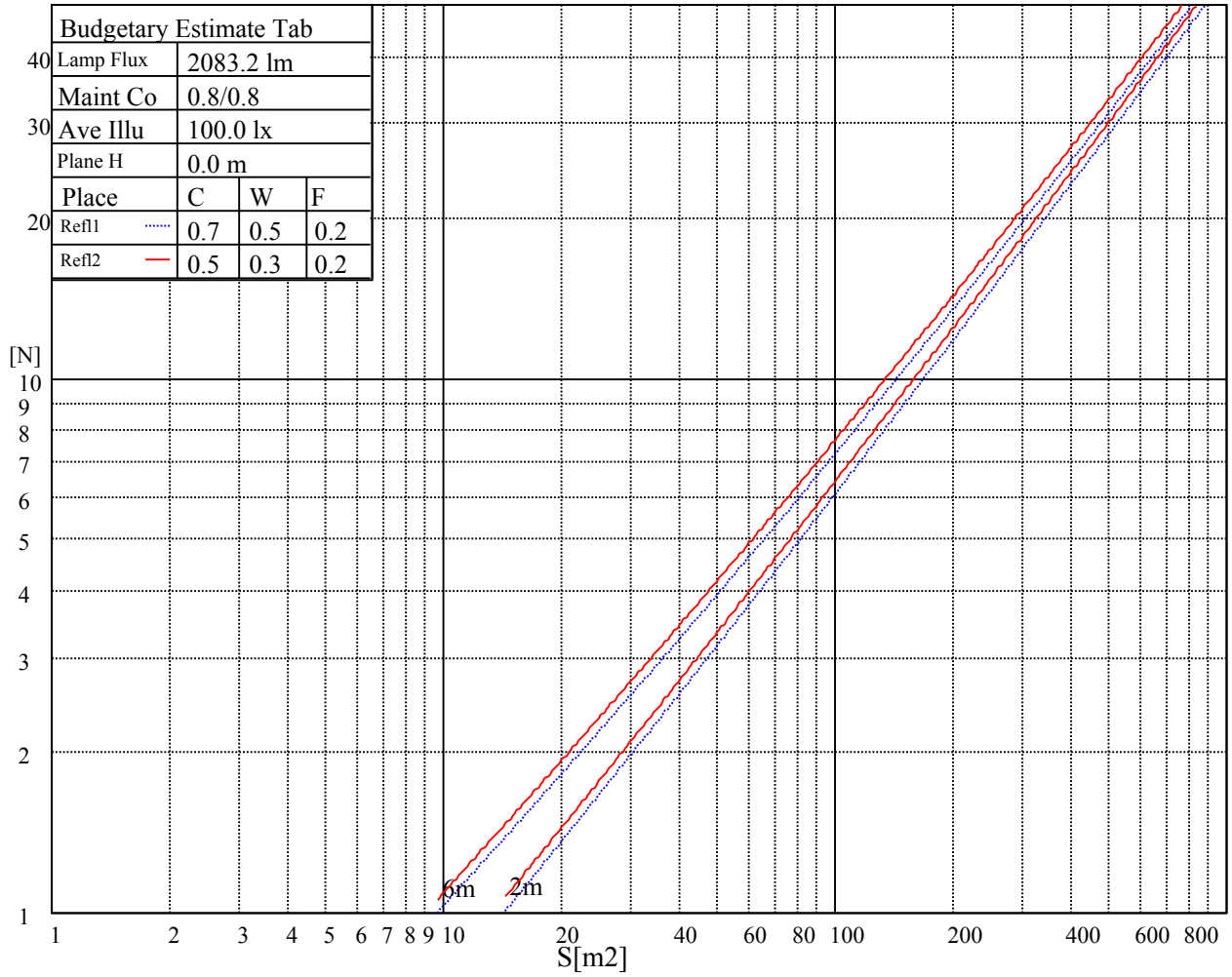
Luminance Limitting Curve



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

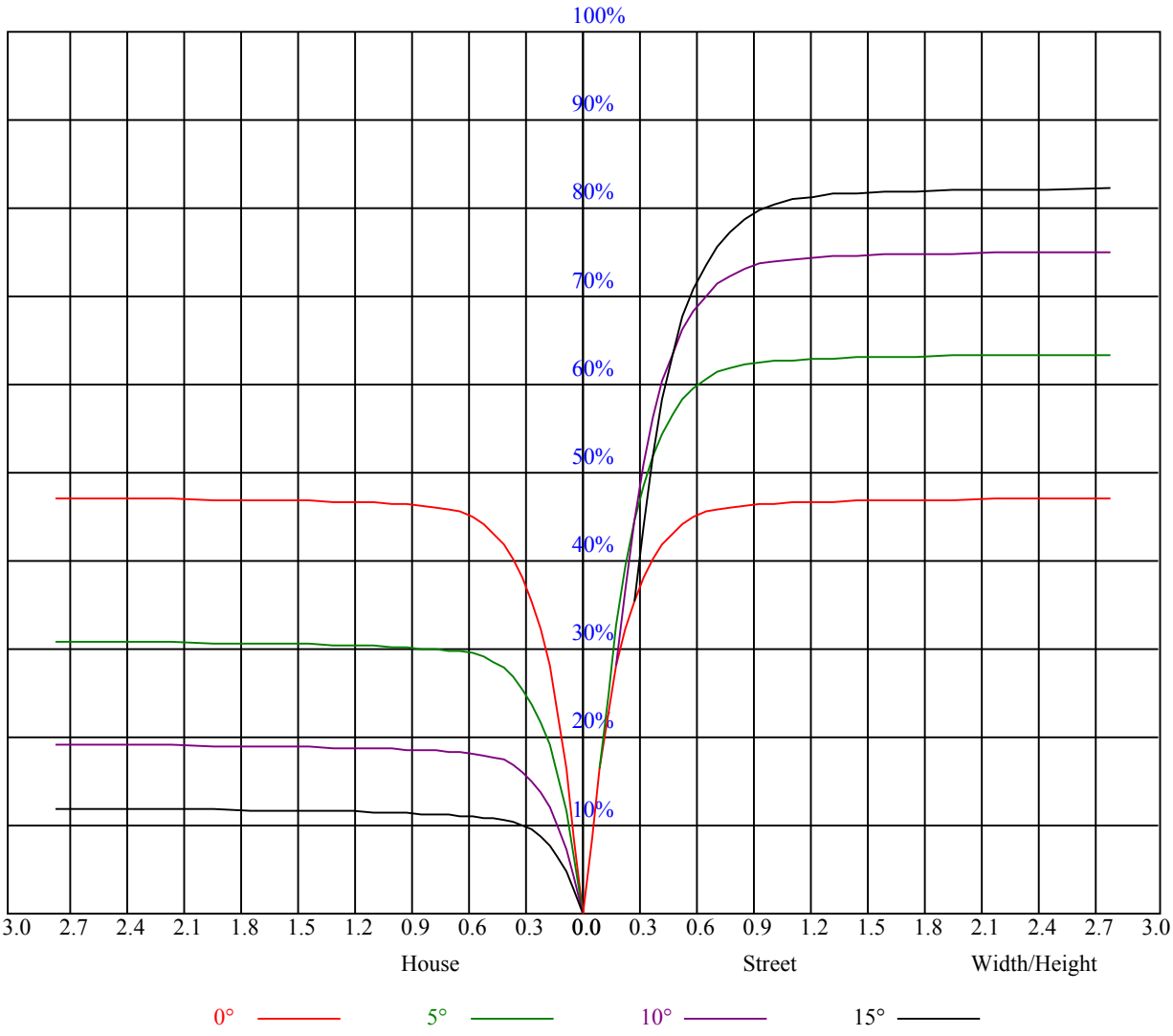


Equipment: GMS1980 Date: 2023/10/26 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.86	0.83	0.81	0.80
5	0.88	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.75
7	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
8	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.70
9	0.77	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
10	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/26	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	11004.85	11004.85	10462.38	9794.27	8768.56	7911.14	6817.90	5963.80	5166.71
45.0	11568.90	11491.41	11225.71	10627.89	9947.04	9161.02	8314.11	7223.64	6343.52
90.0	10995.99	10995.99	10614.61	9978.59	9188.14	8350.09	7267.93	6408.29	5582.96
135.0	11541.23	11436.05	11126.07	10517.18	9847.41	8862.11	8037.34	7179.36	6138.71
180.0	11004.85	11546.76	11391.77	11076.26	10567.00	9758.84	9022.64	8181.26	7295.60
225.0	11568.90	11015.92	10894.70	10323.45	9631.53	8644.02	7800.43	6688.93	5827.63
270.0	10995.99	11546.76	11380.70	10888.05	10301.30	9609.38	8828.90	7755.04	6874.92
315.0	11541.23	10948.39	10948.39	10378.80	9679.68	8885.36	7816.48	6911.45	6046.27
360.0	11004.85	11004.85	10462.38	9794.27	8768.56	7911.14	6817.90	5963.80	5166.71

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4293.23	3709.80	3234.31	2834.66	2451.06	2198.64	1985.53	1802.31	1620.75
45.0	5546.43	4616.49	3974.39	3442.99	2911.60	2823.03	2823.03	2017.64	1832.76
90.0	4646.38	4005.39	3469.01	2931.53	2595.53	2320.42	2030.37	1839.95	1681.09
135.0	5336.09	4627.56	4018.67	3382.10	2966.95	2872.85	2872.85	2047.53	1855.45
180.0	6221.74	5424.65	4533.46	3924.57	3404.25	2894.99	2811.96	2811.96	2025.39
225.0	5067.07	4245.62	3680.46	3219.92	2839.64	2458.25	2208.06	1993.28	1809.51
270.0	5823.20	5064.85	4384.01	3675.48	3210.51	2828.57	2828.57	2203.63	1992.18
315.0	5240.88	4372.38	3790.61	3198.33	2814.18	2505.86	2187.02	1977.23	1798.99
360.0	4293.23	3709.80	3234.31	2834.66	2451.06	2198.64	1985.53	1802.31	1620.75

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1487.90	1368.89	1087.59	1087.59	1045.46	942.06	859.48	781.54	682.45
45.0	1677.77	1546.03	1389.93	1275.35	1173.50	1084.93	1001.35	900.05	819.23
90.0	1553.78	1397.12	1207.26	1080.83	1080.83	976.11	893.63	811.21	713.84
135.0	1694.93	1559.86	1401.00	1288.63	1163.53	1071.09	989.17	889.53	808.72
180.0	1832.76	1671.68	1528.87	1375.54	1264.83	1161.87	1072.75	972.01	895.62
225.0	1618.54	1479.60	1357.27	1098.77	1098.77	1035.22	957.73	862.91	788.62
270.0	1814.49	1661.16	1486.24	1364.47	1256.53	1133.09	1041.20	955.96	859.64
315.0	1611.34	1477.94	1355.61	1091.07	1091.07	1026.81	947.10	868.72	774.34
360.0	1487.90	1368.89	1087.59	1087.59	1045.46	942.06	859.48	781.54	682.45

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	601.75	525.31	456.67	376.52	318.95	265.53	219.37	170.82	139.33
45.0	719.04	637.67	559.62	472.72	409.06	349.28	280.64	280.64	221.25
90.0	632.58	535.27	465.19	403.47	329.85	276.16	228.22	187.10	143.92
135.0	727.35	646.53	549.66	478.81	412.94	352.60	283.96	283.96	224.40
180.0	818.13	721.81	644.32	570.70	483.24	414.04	350.94	282.30	282.30
225.0	693.08	620.07	545.84	475.60	392.96	335.11	282.58	236.64	187.43
270.0	780.49	679.74	603.35	526.97	459.43	383.05	324.93	288.39	288.39
315.0	695.91	618.47	542.41	458.05	396.11	322.82	270.29	224.68	176.58
360.0	601.75	525.31	456.67	376.52	318.95	265.53	219.37	170.82	139.33

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	113.92	89.34	74.23	62.88	51.87	44.56	37.75	33.93	31.00
45.0	149.95	114.19	92.11	75.11	62.72	51.70	45.39	40.19	35.04
90.0	117.24	96.15	79.04	63.55	54.52	46.94	39.80	35.59	31.61
135.0	145.47	117.68	95.15	74.40	62.49	51.64	45.00	39.58	35.37
180.0	225.40	156.93	122.83	100.80	82.53	68.14	53.80	45.50	39.36
225.0	155.10	127.76	99.69	81.54	66.70	52.86	44.95	39.25	34.26
270.0	179.95	148.90	122.50	99.97	77.72	64.32	53.91	44.62	39.36
315.0	144.97	119.01	97.75	77.44	65.04	55.30	47.49	40.30	36.09
360.0	113.92	89.34	74.23	62.88	51.87	44.56	37.75	33.93	31.00

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	28.51	26.02	24.24	22.75	21.53	20.20	19.37	18.65	18.05
45.0	31.83	29.28	26.68	24.85	22.86	21.59	20.54	19.65	18.71
90.0	29.06	26.96	25.19	23.25	21.92	20.87	19.98	18.99	18.43
135.0	31.44	29.06	26.96	25.19	23.30	22.09	21.03	20.15	19.21
180.0	34.21	31.11	28.12	26.18	24.47	23.03	21.53	20.54	19.71
225.0	31.27	28.95	26.40	24.69	23.25	22.09	20.81	19.98	19.21
270.0	34.65	31.72	29.34	27.23	25.13	23.69	22.47	21.42	20.31
315.0	32.71	29.56	27.46	25.24	23.75	22.47	21.42	20.26	19.48
360.0	28.51	26.02	24.24	22.75	21.53	20.20	19.37	18.65	18.05

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.49	17.16	16.83	16.72	16.72	16.77	16.66	16.66	16.61
45.0	18.10	17.66	17.27	16.99	16.83	16.83	16.83	16.77	16.72
90.0	17.93	17.55	17.16	16.99	16.99	17.05	16.99	16.83	16.77
135.0	18.60	17.93	17.60	17.21	17.05	16.94	16.99	16.88	16.83
180.0	18.99	18.21	17.71	17.33	16.94	16.77	16.72	16.66	16.55
225.0	18.65	18.05	17.66	17.33	17.21	17.16	17.05	16.94	16.88
270.0	19.65	19.04	18.54	18.10	17.88	17.77	17.71	17.71	17.55
315.0	18.88	18.27	17.88	17.60	17.38	17.33	17.33	17.21	17.16
360.0	17.49	17.16	16.83	16.72	16.72	16.77	16.66	16.66	16.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.27	15.67	15.11	14.56	13.73	13.17	12.73	12.18	11.79
45.0	16.66	16.38	15.83	15.17	14.67	13.95	13.34	12.73	12.34
90.0	16.50	15.94	15.22	14.72	14.06	13.40	12.84	12.45	12.07
135.0	16.77	16.44	15.94	15.22	14.61	13.95	13.28	12.84	12.29
180.0	16.55	16.38	15.94	15.39	14.78	14.17	13.51	13.01	12.51
225.0	16.66	16.05	15.44	14.89	14.28	13.45	12.95	12.51	12.01
270.0	17.44	17.21	16.66	15.83	15.22	14.56	13.78	13.17	12.73
315.0	16.99	16.66	15.83	15.33	14.61	13.78	13.28	12.84	12.40
360.0	16.27	15.67	15.11	14.56	13.73	13.17	12.73	12.18	11.79

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.51	11.24	10.96	10.74	10.46	10.30	10.07	9.85	9.63
45.0	12.01	11.62	11.35	11.13	10.90	10.57	10.35	10.07	9.91
90.0	11.68	11.46	11.18	10.96	10.68	10.41	10.19	9.96	9.80
135.0	11.96	11.62	11.40	11.13	10.90	10.68	10.46	10.19	9.96
180.0	12.07	11.73	11.46	11.13	10.90	10.68	10.41	10.19	9.96
225.0	11.73	11.46	11.13	10.90	10.68	10.41	10.19	9.96	9.80
270.0	12.34	11.96	11.68	11.40	11.07	10.85	10.57	10.35	10.07
315.0	11.96	11.68	11.40	11.18	10.85	10.63	10.41	10.13	9.91
360.0	11.51	11.24	10.96	10.74	10.46	10.30	10.07	9.85	9.63

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.41	9.19	8.97	8.86	8.69	8.52	8.41	8.36	8.25
45.0	9.74	9.47	9.24	9.08	8.91	8.69	8.52	8.41	8.41
90.0	9.52	9.30	9.13	8.91	8.80	8.69	8.47	8.41	8.25
135.0	9.80	9.52	9.30	9.08	8.86	8.80	8.58	8.47	8.30
180.0	9.74	9.58	9.30	9.13	8.97	8.80	8.58	8.47	8.36
225.0	9.52	9.35	9.19	8.97	8.80	8.64	8.47	8.36	8.19
270.0	9.85	9.63	9.47	9.19	9.02	8.86	8.64	8.52	8.52
315.0	9.69	9.47	9.24	9.02	8.86	8.69	8.58	8.41	8.30
360.0	9.41	9.19	8.97	8.86	8.69	8.52	8.41	8.36	8.25

Intensity data(cd)

C/γ(°)	90.0
0.0	8.19
45.0	8.25
90.0	8.25
135.0	8.30
180.0	8.14
225.0	8.25
270.0	8.25
315.0	8.25
360.0	8.19