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NT

Client:
LumCAT: 2-2639-L
Luminaire: 92.70.411.00
Report No: 20231126-B013
Ballast type: AC

Test No: 20231026-C013	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): 1970.62, Efficiency(%): 94.60% , Luminous Efficacy(lm/W): 115.57
Central intensity(cd): 8889.096, Maximum intensity(cd): 8889.096
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.6
[C90/270]Total=19.6
Field angle(10%Imax): [C0/180]Total=51.6
[C90/270]Total=51.6
Beam angle of C0 plane : 19.70
Aveage BeamAngle(IEC 61341):19.70
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
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 : 98.005%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8889.096	0.000	0	0.00%	0.00%
1.0	8819.282	8.473	8.473	0.41%	0.43%
2.0	8595.584	24.995	33.469	1.20%	1.70%
3.0	8266.645	40.329	73.798	1.94%	3.74%
4.0	7792.887	53.756	127.554	2.58%	6.47%
5.0	7262.531	64.768	192.322	3.11%	9.76%
6.0	6689.690	73.323	265.644	3.52%	13.48%
7.0	6091.525	79.333	344.977	3.81%	17.51%
8.0	5468.659	82.734	427.711	3.97%	21.70%
9.0	4908.273	84.099	511.81	4.04%	25.97%
10.0	4361.587	83.889	595.699	4.03%	30.23%
11.0	3863.750	82.188	677.887	3.95%	34.40%
12.0	3419.399	79.615	757.502	3.82%	38.44%
13.0	3014.834	76.358	833.861	3.67%	42.31%
14.0	2655.174	72.576	906.436	3.48%	46.00%
15.0	2358.686	68.833	975.269	3.30%	49.49%
16.0	2099.424	65.324	1040.592	3.14%	52.81%
17.0	1871.713	61.841	1102.434	2.97%	55.94%
18.0	1694.097	58.792	1161.226	2.82%	58.93%
19.0	1539.522	56.258	1217.485	2.70%	61.78%
20.0	1400.100	53.803	1271.288	2.58%	64.51%
21.0	1256.914	51.020	1322.308	2.45%	67.10%
22.0	1164.432	48.658	1370.966	2.34%	69.57%
23.0	1103.246	47.582	1418.548	2.28%	71.98%
24.0	1020.520	46.433	1464.981	2.23%	74.34%
25.0	943.938	44.667	1509.648	2.14%	76.61%
26.0	873.860	42.909	1552.558	2.06%	78.79%
27.0	800.911	40.974	1593.531	1.97%	80.86%
28.0	734.224	38.866	1632.398	1.87%	82.84%
29.0	665.212	36.613	1669.011	1.76%	84.69%
30.0	590.062	33.892	1702.903	1.63%	86.41%
31.0	516.297	30.788	1733.692	1.48%	87.98%
32.0	449.499	27.669	1761.36	1.33%	89.38%
33.0	381.068	24.469	1785.829	1.17%	90.62%
34.0	316.256	21.103	1806.932	1.01%	91.69%
35.0	265.656	18.072	1825.004	0.87%	92.61%
36.0	232.900	15.874	1840.878	0.76%	93.42%
37.0	184.417	13.611	1854.489	0.65%	94.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	129.756	10.487	1864.976	0.50%	94.64%
39.0	101.574	7.896	1872.872	0.38%	95.04%
40.0	79.045	6.299	1879.171	0.30%	95.36%
41.0	63.359	5.071	1884.242	0.24%	95.62%
42.0	52.378	4.205	1888.447	0.20%	95.83%
43.0	44.304	3.581	1892.028	0.17%	96.01%
44.0	38.810	3.137	1895.165	0.15%	96.17%
45.0	34.638	2.823	1897.988	0.14%	96.31%
46.0	31.745	2.596	1900.584	0.12%	96.45%
47.0	29.372	2.431	1903.015	0.12%	96.57%
48.0	27.691	2.307	1905.322	0.11%	96.69%
49.0	26.300	2.217	1907.539	0.11%	96.80%
50.0	25.248	2.149	1909.688	0.10%	96.91%
51.0	24.425	2.102	1911.789	0.10%	97.01%
52.0	23.892	2.073	1913.863	0.10%	97.12%
53.0	23.574	2.065	1915.928	0.10%	97.22%
54.0	23.518	2.076	1918.003	0.10%	97.33%
55.0	23.664	2.106	1920.109	0.10%	97.44%
56.0	23.982	2.153	1922.262	0.10%	97.55%
57.0	24.356	2.210	1924.472	0.11%	97.66%
58.0	24.529	2.261	1926.733	0.11%	97.77%
59.0	24.397	2.287	1929.02	0.11%	97.89%
60.0	23.767	2.275	1931.296	0.11%	98.00%
61.0	22.640	2.215	1933.51	0.11%	98.12%
62.0	21.117	2.108	1935.619	0.10%	98.22%
63.0	19.291	1.965	1937.584	0.09%	98.32%
64.0	17.769	1.818	1939.403	0.09%	98.42%
65.0	16.565	1.699	1941.102	0.08%	98.50%
66.0	15.596	1.605	1942.706	0.08%	98.58%
67.0	14.821	1.529	1944.236	0.07%	98.66%
68.0	14.191	1.470	1945.705	0.07%	98.74%
69.0	13.686	1.422	1947.128	0.07%	98.81%
70.0	13.250	1.383	1948.511	0.07%	98.88%
71.0	12.801	1.346	1949.857	0.06%	98.95%
72.0	12.448	1.313	1951.17	0.06%	99.01%
73.0	12.095	1.283	1952.454	0.06%	99.08%
74.0	11.776	1.255	1953.709	0.06%	99.14%
75.0	11.479	1.229	1954.937	0.06%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.216	1.205	1956.142	0.06%	99.27%
77.0	10.953	1.182	1957.324	0.06%	99.33%
78.0	10.704	1.159	1958.483	0.06%	99.38%
79.0	10.462	1.137	1959.621	0.05%	99.44%
80.0	10.206	1.114	1960.735	0.05%	99.50%
81.0	9.957	1.090	1961.825	0.05%	99.55%
82.0	9.680	1.065	1962.89	0.05%	99.61%
83.0	9.438	1.039	1963.929	0.05%	99.66%
84.0	9.230	1.017	1964.946	0.05%	99.71%
85.0	9.009	0.995	1965.942	0.05%	99.76%
86.0	8.808	0.974	1966.916	0.05%	99.81%
87.0	8.607	0.953	1967.869	0.05%	99.86%
88.0	8.441	0.934	1968.803	0.04%	99.91%
89.0	8.255	0.915	1969.718	0.04%	99.95%
90.0	8.178	0.901	1970.619	0.04%	100.00%

Zonal flux distribution table

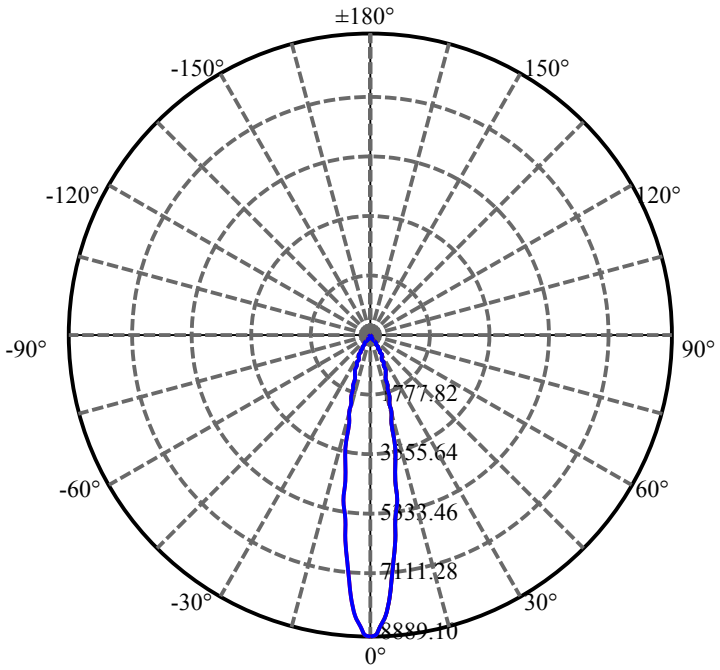
ZONAL LUMEN SUMMARY

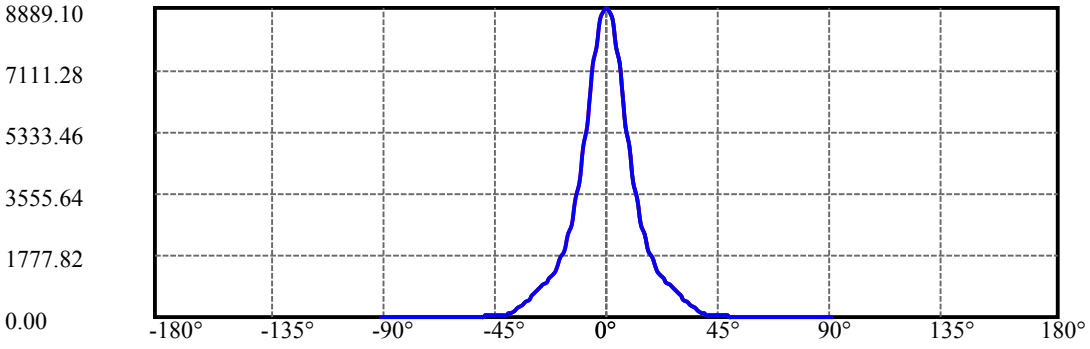
Zone	Lumens	%Lamp	%Fixt
0-30	1702.90	81.75%	86.41%
0-40	1879.17	90.21%	95.36%
0-60	1931.30	92.71%	98.00%
0-90	1969.72	94.55%	99.95%
0-120	1969.72	94.55%	99.95%
0-180	1970.62	94.60%	100.00%
60-90	38.42	1.84%	1.95%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.58	1576.50	75.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	595.70
10-20	675.59
20-30	431.62
30-40	176.27
40-50	30.52
50-60	21.61
60-70	17.22
70-80	12.22
80-90	8.98
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):

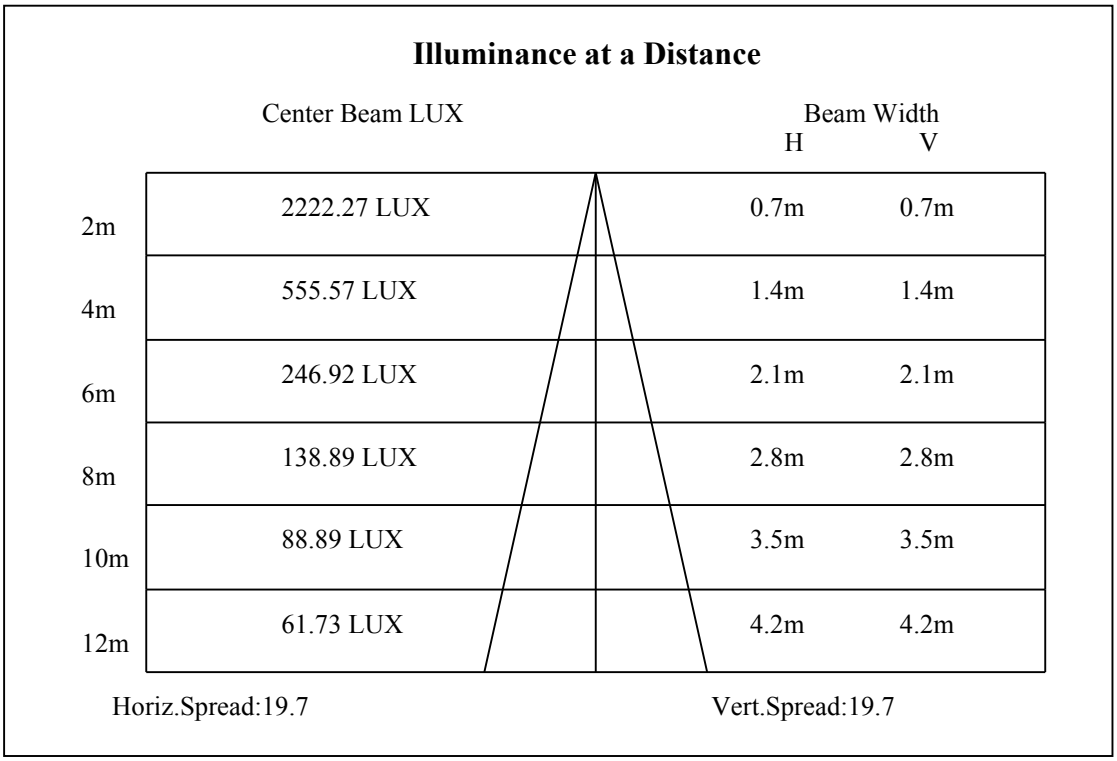
C0/C180:

C90/C270:

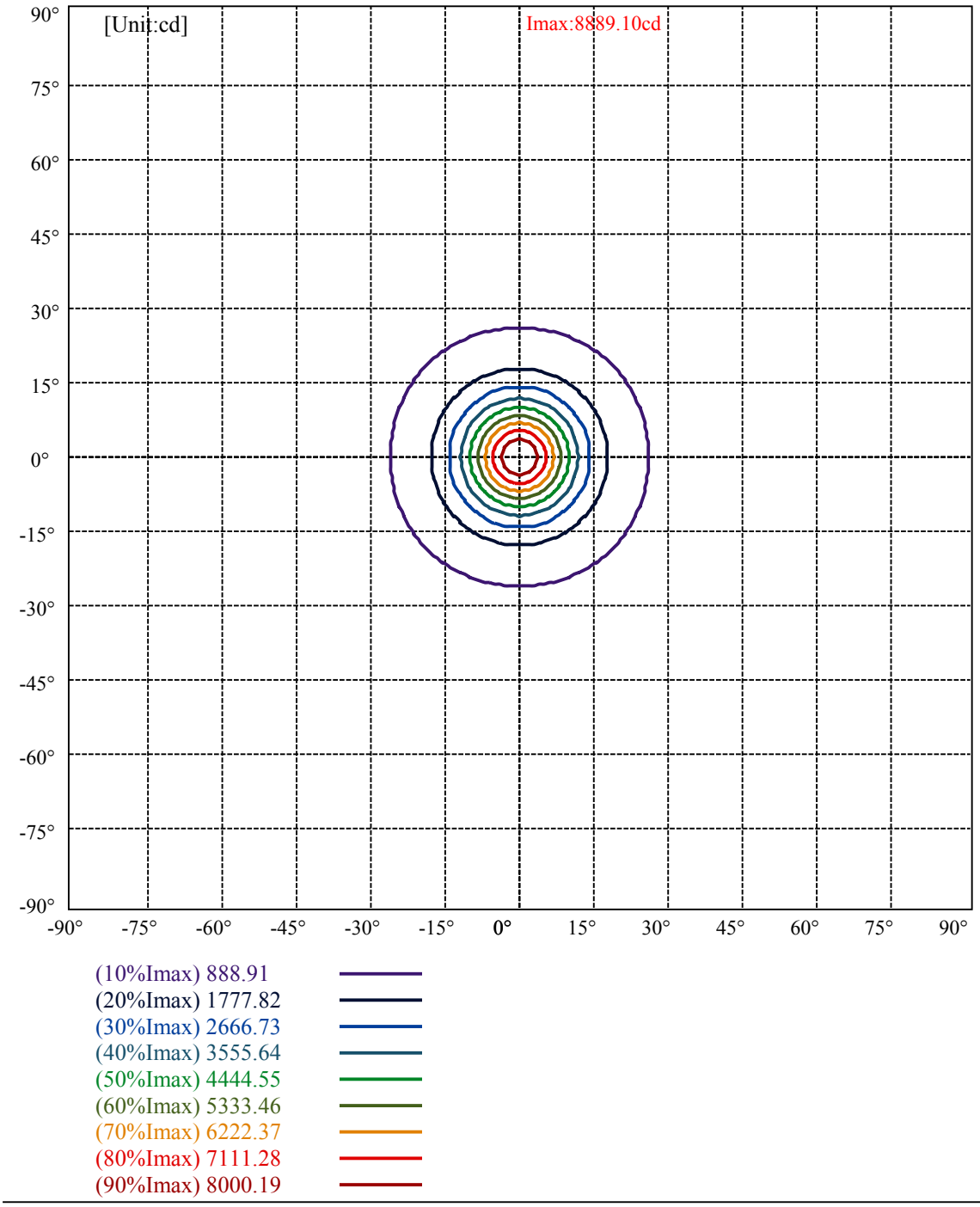
Field angle(10%Imax):C0/180Left:25.8 Right:25.8
:C90/270Left:25.8 Right:25.8

Beam Angle(50%Imax):C0/180Left:9.8 Right:9.8
:C90/270Left:9.8 Right:9.8

Lux distance Curve



ISO-Intensity(V-H)

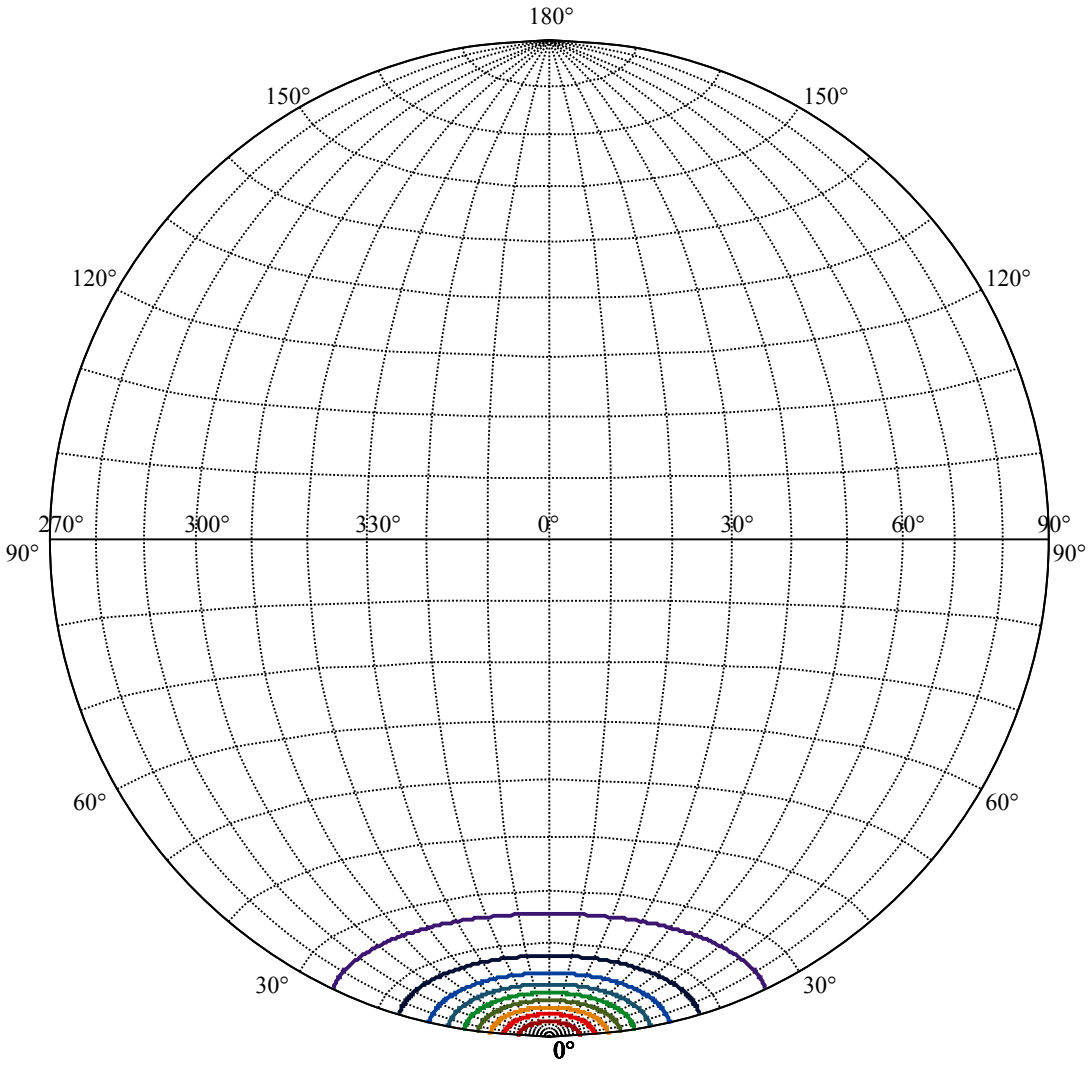


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:8889.10

(10%Imax) 888.91
(20%Imax) 1777.82
(30%Imax) 2666.73
(40%Imax) 3555.64
(50%Imax) 4444.55
(60%Imax) 5333.46
(70%Imax) 6222.37
(80%Imax) 7111.28
(90%Imax) 8000.19

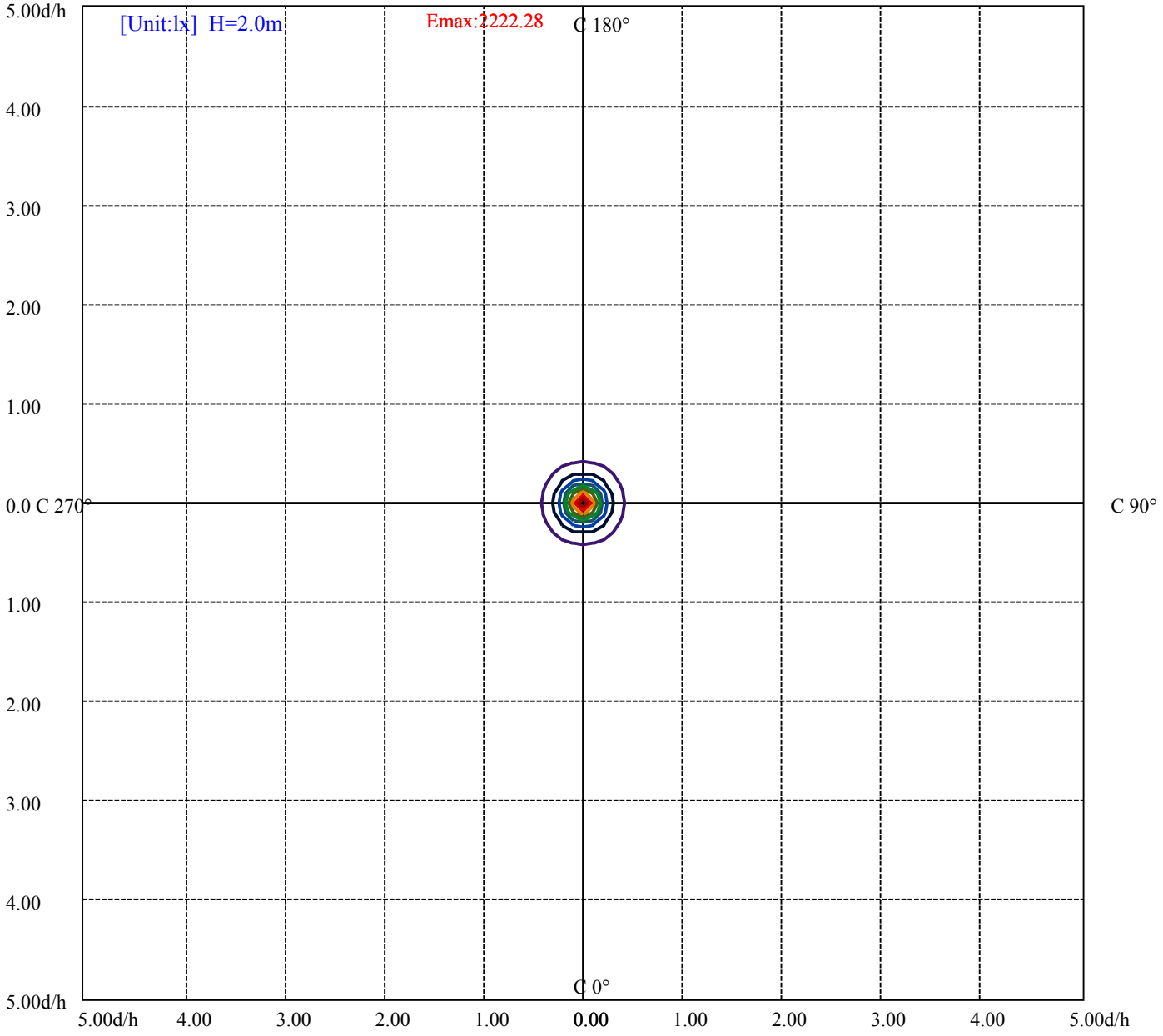
Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 2-2639-L

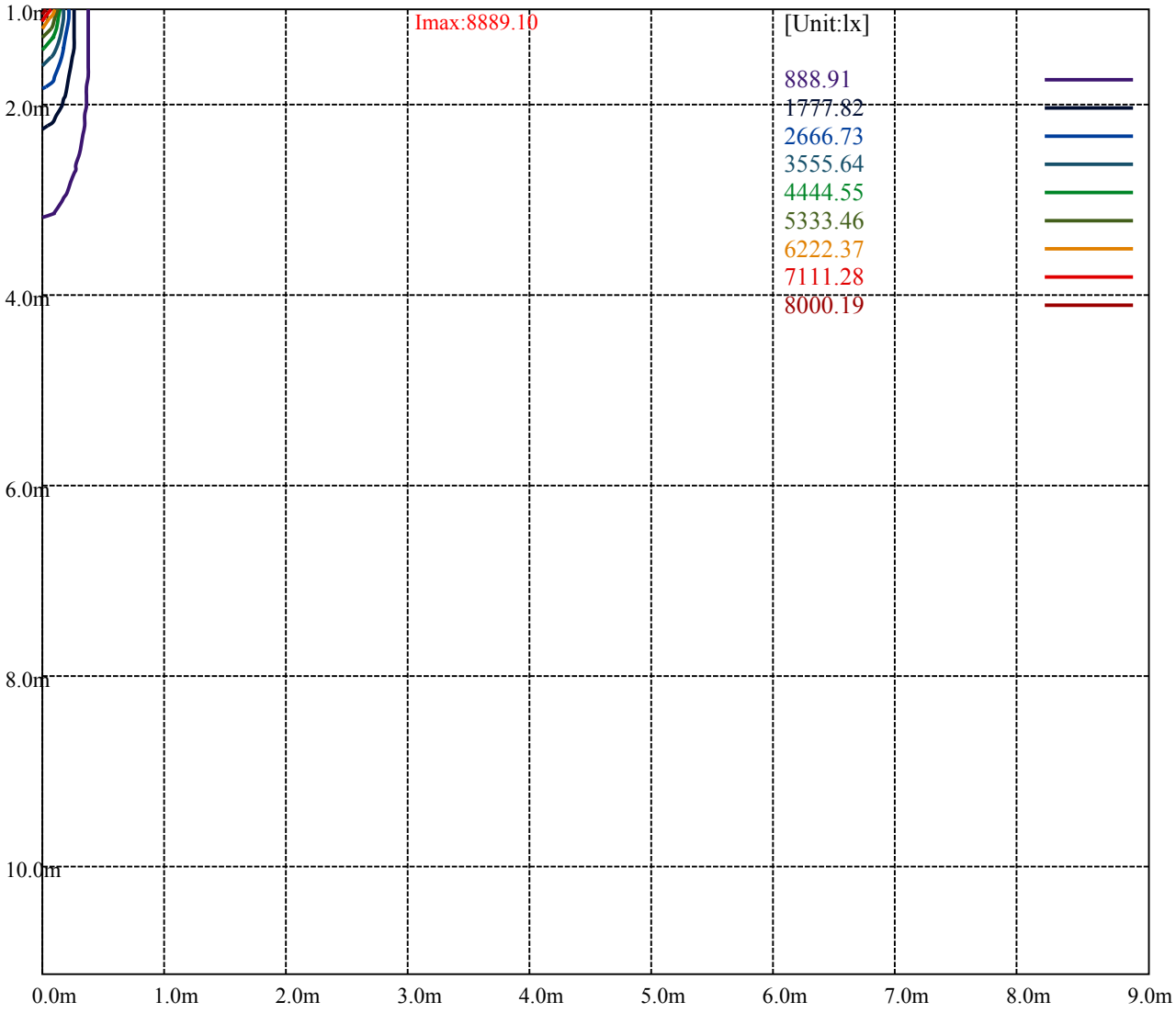
ISO illuminance diagram



(10%Emax) 222.2272
(20%Emax) 444.455
(30%Emax) 666.6825
(40%Emax) 888.9075
(50%Emax) 1111.135
(60%Emax) 1333.363
(70%Emax) 1555.59
(80%Emax) 1777.818
(90%Emax) 2000.045

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

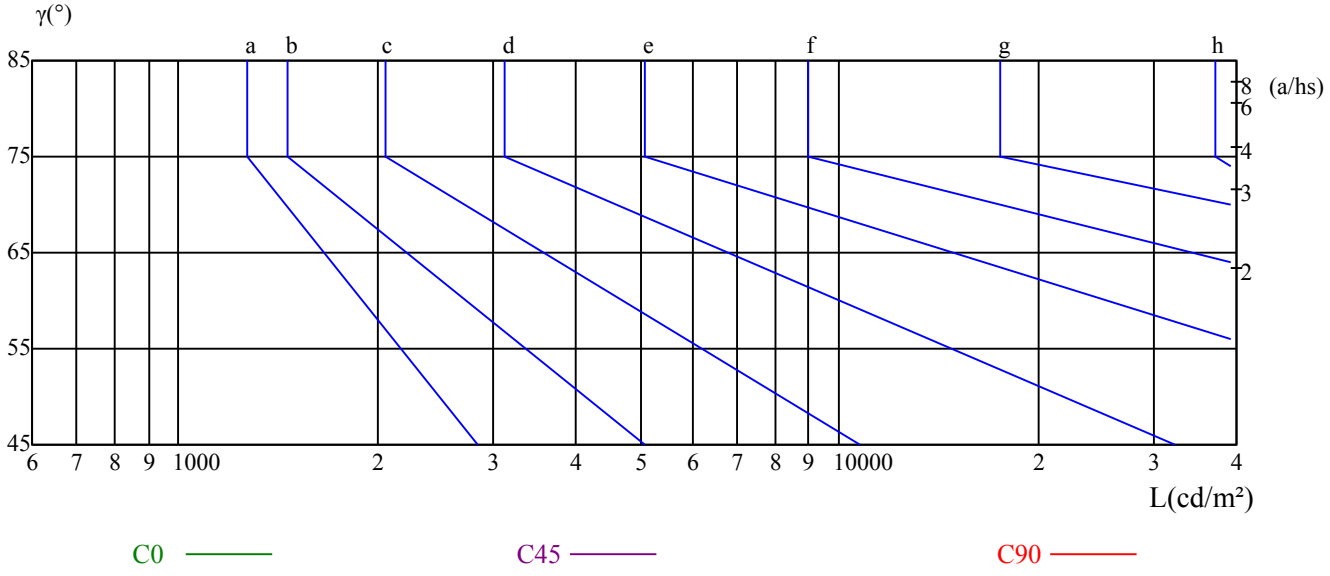
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

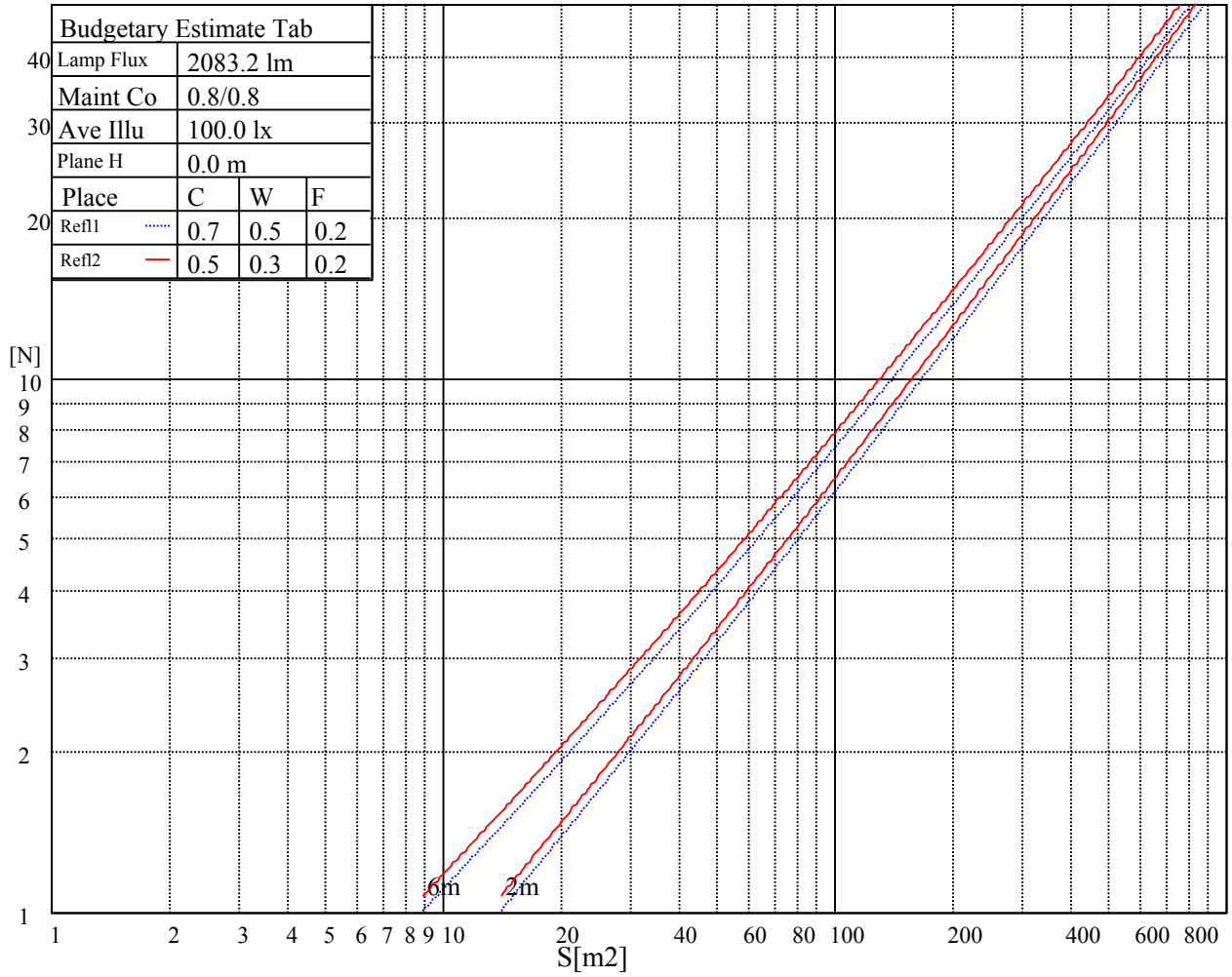
Luminance Limitting Curve



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

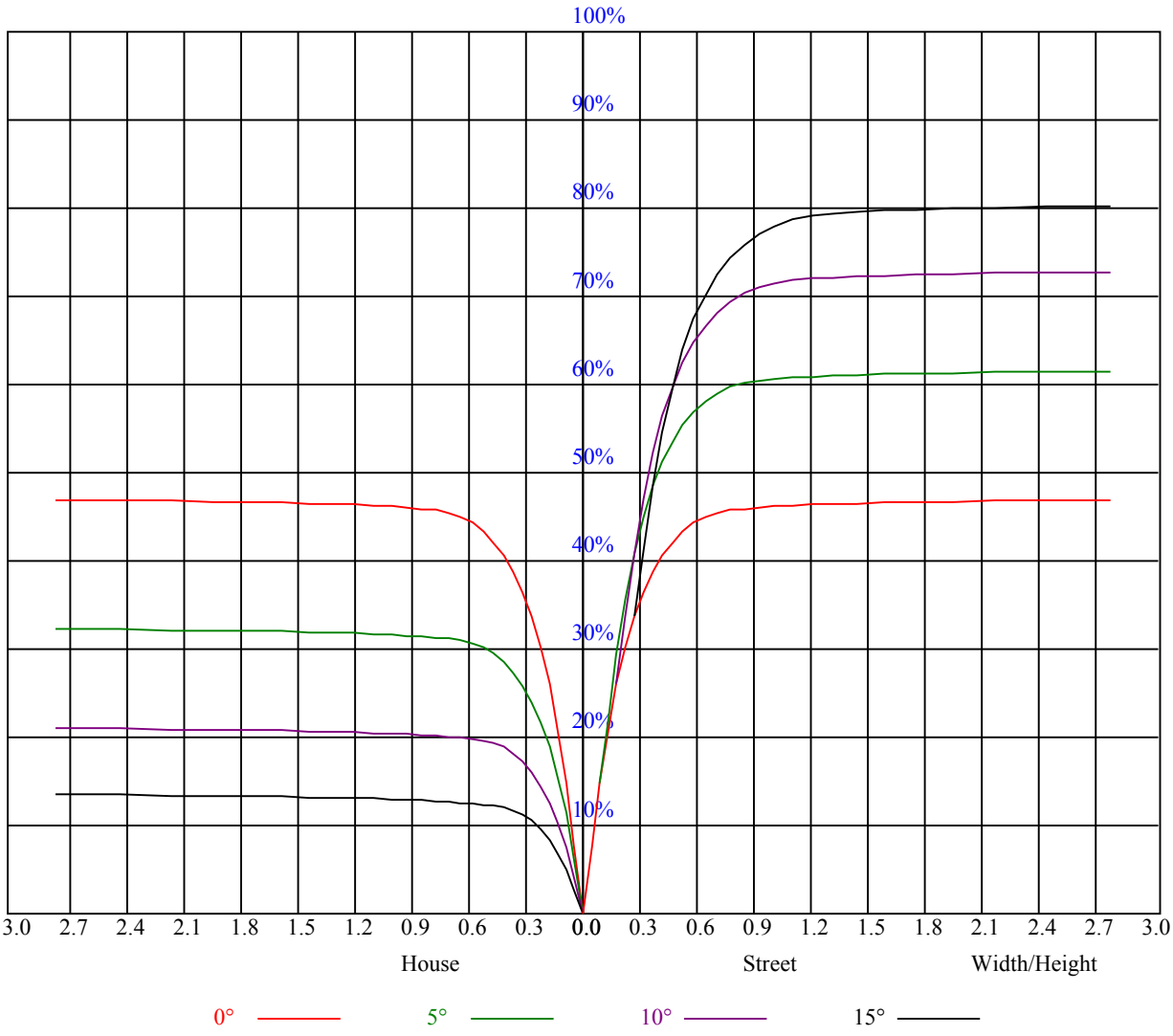


Equipment: GMS1980 Date: 2023/10/26 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
8	0.76	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
9	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62

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	8847.72	8641.25	8304.70	7893.98	7386.38	6673.98	6128.20	5414.14	4860.05
45.0	8923.00	8918.57	8815.06	8525.56	8109.86	7614.44	6910.34	6364.00	5638.32
90.0	8878.16	8737.01	8402.68	7975.90	7459.45	6905.92	6339.65	5653.82	5088.10
135.0	8907.50	8850.49	8674.46	8389.39	7838.07	7350.96	6806.28	6271.56	5608.98
180.0	8847.72	8910.27	8802.88	8615.79	8291.97	7748.40	7259.62	6729.89	6056.24
225.0	8923.00	8743.65	8388.28	7985.31	7534.18	7039.32	6372.86	5825.41	5270.77
270.0	8878.16	8924.66	8778.53	8502.31	8026.27	7574.59	7059.80	6534.49	5851.98
315.0	8907.50	8828.35	8598.07	8244.92	7696.92	7192.65	6640.77	5938.89	5374.83
360.0	8847.72	8641.25	8304.70	7893.98	7386.38	6673.98	6128.20	5414.14	4860.05

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4362.97	3793.38	3377.68	2993.52	2583.91	2299.39	2049.74	1838.85	1627.95
45.0	5054.34	4522.94	4063.51	3524.36	3134.12	2788.16	2472.09	2129.45	1910.25
90.0	4551.17	4066.28	3524.36	3129.69	2775.98	2400.69	2147.72	1883.13	1708.21
135.0	5059.32	4432.72	3972.17	3540.97	3067.70	2721.74	2427.26	2174.29	1906.38
180.0	5525.40	4987.91	4366.85	3901.32	3388.75	3015.66	2690.18	2405.67	2102.33
225.0	4613.17	4144.88	3703.71	3210.51	2869.53	2495.89	2236.84	2017.09	1825.01
270.0	5292.91	4760.41	4159.82	3709.80	3309.59	2936.51	2536.86	2271.71	2057.49
315.0	4806.91	4184.18	3741.90	3345.02	2989.09	2583.35	2308.80	2075.21	1836.08
360.0	4362.97	3793.38	3377.68	2993.52	2583.91	2299.39	2049.74	1838.85	1627.95

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1492.33	1374.43	1202.28	1086.15	1066.22	991.55	906.75	842.09	778.88
45.0	1722.60	1560.42	1401.55	1293.61	1175.16	1094.89	1020.17	931.60	862.96
90.0	1562.63	1402.11	1296.93	1085.15	1085.15	1009.10	938.96	871.99	808.16
135.0	1734.23	1590.31	1459.12	1319.08	1224.98	1144.71	1063.34	971.46	902.82
180.0	1893.09	1715.96	1570.38	1415.39	1308.56	1216.67	1133.09	1042.31	975.33
225.0	1665.04	1499.53	1381.07	1280.33	1091.41	1091.41	1016.57	949.04	868.83
270.0	1808.96	1642.89	1478.49	1367.79	1269.81	1183.46	1082.16	1010.76	941.56
315.0	1673.89	1530.53	1410.96	1207.82	1094.17	1094.17	1003.12	932.27	852.33
360.0	1492.33	1374.43	1202.28	1086.15	1066.22	991.55	906.75	842.09	778.88

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	697.73	631.92	564.61	481.41	414.54	353.99	299.57	235.25	189.59
45.0	797.09	733.99	653.73	588.96	522.54	454.45	376.40	319.39	291.71
90.0	728.34	663.91	598.87	531.56	447.64	383.55	311.81	259.94	211.06
135.0	823.66	757.24	692.47	612.21	542.47	474.93	393.56	333.78	279.54
180.0	894.51	831.41	769.42	689.15	623.84	552.98	482.68	399.65	339.87
225.0	806.50	742.13	662.31	592.62	506.65	438.07	376.02	319.89	256.73
270.0	873.48	791.56	726.79	656.49	573.46	505.93	437.85	360.35	305.55
315.0	785.97	721.64	653.50	568.09	499.23	432.09	370.65	301.79	251.19
360.0	697.73	631.92	564.61	481.41	414.54	353.99	299.57	235.25	189.59

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	151.06	119.62	88.79	71.46	56.24	47.94	41.74	36.37	33.21
45.0	291.71	158.42	124.43	92.11	73.29	60.06	48.55	42.07	37.53
90.0	159.42	126.43	99.47	79.04	60.89	51.09	43.95	38.75	34.04
135.0	279.54	169.49	133.62	105.39	83.53	64.38	53.69	45.83	39.02
180.0	286.73	286.73	176.97	141.43	111.65	83.25	66.76	52.59	44.78
225.0	209.51	169.05	134.95	100.80	80.15	64.99	51.87	44.39	39.13
270.0	280.09	280.09	155.27	123.27	91.89	73.84	60.72	51.20	44.34
315.0	205.14	165.51	124.55	99.08	74.73	61.33	51.76	43.23	38.42
360.0	151.06	119.62	88.79	71.46	56.24	47.94	41.74	36.37	33.21

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	30.78	28.89	27.07	25.96	25.02	24.08	23.64	23.36	23.14
45.0	33.27	30.78	28.73	27.12	25.52	24.63	23.86	23.36	22.92
90.0	31.27	29.17	27.01	25.85	24.80	23.86	23.36	22.92	22.81
135.0	35.09	32.16	29.34	27.62	26.24	25.02	24.24	23.75	23.47
180.0	39.13	34.21	31.44	29.28	27.57	26.29	25.02	24.36	23.91
225.0	34.54	31.83	29.78	27.73	26.57	25.63	24.96	24.41	24.19
270.0	38.19	34.82	32.11	30.00	28.01	26.85	25.63	24.91	24.41
315.0	34.82	32.11	29.50	27.95	26.68	25.63	24.69	24.08	23.75
360.0	30.78	28.89	27.07	25.96	25.02	24.08	23.64	23.36	23.14

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.30	23.58	24.02	24.19	24.13	23.41	22.42	20.92	19.37
45.0	22.81	22.86	23.19	23.64	24.02	24.13	23.75	22.97	21.26
90.0	22.92	23.19	23.58	23.97	24.02	23.86	23.08	21.53	19.93
135.0	23.41	23.53	23.91	24.52	24.80	24.91	24.24	23.19	21.70
180.0	23.75	23.75	23.91	24.41	24.80	24.69	24.58	23.80	22.75
225.0	24.24	24.52	24.96	25.13	25.13	24.85	24.02	22.31	20.65
270.0	24.13	24.13	24.30	24.69	24.91	24.96	24.58	23.86	22.31
315.0	23.58	23.75	23.97	24.30	24.41	24.36	23.47	22.53	20.98
360.0	23.30	23.58	24.02	24.19	24.13	23.41	22.42	20.92	19.37

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.60	16.44	15.55	14.89	14.28	13.67	13.23	12.84	12.34
45.0	19.71	18.05	16.83	15.61	14.78	14.23	13.73	13.17	12.79
90.0	17.99	16.77	15.78	14.83	14.23	13.73	13.17	12.84	12.45
135.0	19.60	17.99	16.83	15.83	14.95	14.34	13.84	13.40	12.90
180.0	20.76	19.15	17.71	16.55	15.39	14.78	14.23	13.78	13.23
225.0	18.99	17.21	16.16	15.33	14.72	14.00	13.56	13.17	12.79
270.0	20.70	19.04	17.27	16.22	15.39	14.61	14.06	13.51	13.12
315.0	18.99	17.49	16.38	15.50	14.83	14.17	13.67	13.28	12.79
360.0	17.60	16.44	15.55	14.89	14.28	13.67	13.23	12.84	12.34

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.07	11.73	11.46	11.24	10.90	10.74	10.52	10.30	9.96
45.0	12.34	12.07	11.73	11.46	11.24	10.96	10.68	10.46	10.30
90.0	12.18	11.79	11.51	11.24	11.02	10.79	10.52	10.30	10.02
135.0	12.57	12.23	11.90	11.57	11.35	11.07	10.79	10.52	10.24
180.0	12.84	12.51	12.07	11.79	11.46	11.18	10.96	10.68	10.41
225.0	12.40	12.01	11.73	11.35	11.13	10.79	10.57	10.35	10.13
270.0	12.73	12.40	12.01	11.68	11.46	11.18	10.90	10.63	10.41
315.0	12.45	12.01	11.79	11.51	11.18	10.90	10.68	10.46	10.19
360.0	12.07	11.73	11.46	11.24	10.90	10.74	10.52	10.30	9.96

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.74	9.47	9.24	9.13	8.91	8.69	8.47	8.30	8.25
45.0	10.02	9.74	9.47	9.24	9.02	8.86	8.64	8.47	8.25
90.0	9.80	9.52	9.30	9.08	8.86	8.69	8.52	8.41	8.19
135.0	10.02	9.74	9.52	9.30	9.02	8.86	8.69	8.47	8.30
180.0	10.19	9.91	9.63	9.41	9.19	8.91	8.75	8.58	8.36
225.0	9.80	9.58	9.35	9.13	8.91	8.75	8.52	8.36	8.19
270.0	10.13	9.85	9.52	9.35	9.13	8.91	8.69	8.52	8.30
315.0	9.96	9.63	9.47	9.19	9.02	8.80	8.58	8.41	8.19
360.0	9.74	9.47	9.24	9.13	8.91	8.69	8.47	8.30	8.25

Intensity data(cd)

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