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NT

Client:
LumCAT: 2-2645-L
Luminaire: 92.70.411.00
Report No: 20231026-B007
Ballast type: AC

Test No: 20231026-C007	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): 1964.59, Efficiency(%): 94.31% , Luminous Efficacy(lm/W): 115.21
Central intensity(cd): 4501.078, Maximum intensity(cd): 4501.078
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.0
[C90/270]Total=38.0
Field angle(10%Imax): [C0/180]Total=62.4
[C90/270]Total=62.4
Maximum s/h(1/2): C0_180=0.62 C90_270=0.62
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.228%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4501.078	0.000	0	0.00%	0.00%
1.0	4487.724	4.301	4.301	0.21%	0.22%
2.0	4453.474	12.833	17.134	0.62%	0.87%
3.0	4404.071	21.184	38.319	1.02%	1.95%
4.0	4335.640	29.255	67.573	1.40%	3.44%
5.0	4249.565	36.933	104.506	1.77%	5.32%
6.0	4159.754	44.193	148.699	2.12%	7.57%
7.0	4055.620	50.993	199.692	2.45%	10.16%
8.0	3951.002	57.302	256.994	2.75%	13.08%
9.0	3838.495	63.130	320.124	3.03%	16.29%
10.0	3729.933	68.492	388.615	3.29%	19.78%
11.0	3600.406	73.245	461.86	3.52%	23.51%
12.0	3463.129	77.215	539.075	3.71%	27.44%
13.0	3320.732	80.507	619.582	3.86%	31.54%
14.0	3162.905	82.990	702.572	3.98%	35.76%
15.0	2996.706	84.562	787.134	4.06%	40.07%
16.0	2812.655	85.123	872.257	4.09%	44.40%
17.0	2631.095	84.774	957.031	4.07%	48.71%
18.0	2433.206	83.499	1040.531	4.01%	52.96%
19.0	2253.653	81.542	1122.072	3.91%	57.11%
20.0	2045.108	78.679	1200.752	3.78%	61.12%
21.0	1857.113	74.931	1275.682	3.60%	64.93%
22.0	1673.409	70.947	1346.629	3.41%	68.55%
23.0	1453.724	65.616	1412.245	3.15%	71.88%
24.0	1257.848	59.285	1471.53	2.85%	74.90%
25.0	1164.750	55.085	1526.614	2.64%	77.71%
26.0	1034.040	51.903	1578.517	2.49%	80.35%
27.0	905.619	47.454	1625.971	2.28%	82.76%
28.0	775.013	42.550	1668.521	2.04%	84.93%
29.0	668.298	37.761	1706.282	1.81%	86.85%
30.0	566.309	33.334	1739.617	1.60%	88.55%
31.0	470.789	28.861	1768.477	1.39%	90.02%
32.0	384.756	24.510	1792.988	1.18%	91.27%
33.0	315.183	20.620	1813.608	0.99%	92.31%
34.0	259.996	17.407	1831.015	0.84%	93.20%
35.0	228.756	15.179	1846.194	0.73%	93.97%
36.0	171.672	12.750	1858.943	0.61%	94.62%
37.0	125.694	9.698	1868.642	0.47%	95.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	98.924	7.497	1876.139	0.36%	95.50%
39.0	79.142	6.078	1882.217	0.29%	95.81%
40.0	63.511	4.975	1887.192	0.24%	96.06%
41.0	53.105	4.153	1891.345	0.20%	96.27%
42.0	44.982	3.564	1894.909	0.17%	96.45%
43.0	39.343	3.124	1898.032	0.15%	96.61%
44.0	34.824	2.799	1900.832	0.13%	96.75%
45.0	31.552	2.551	1903.383	0.12%	96.88%
46.0	28.936	2.366	1905.748	0.11%	97.00%
47.0	26.770	2.216	1907.964	0.11%	97.12%
48.0	24.895	2.089	1910.052	0.10%	97.22%
49.0	23.262	1.978	1912.03	0.09%	97.32%
50.0	21.955	1.885	1913.915	0.09%	97.42%
51.0	20.744	1.807	1915.722	0.09%	97.51%
52.0	19.706	1.736	1917.457	0.08%	97.60%
53.0	18.806	1.675	1919.133	0.08%	97.69%
54.0	18.094	1.626	1920.759	0.08%	97.77%
55.0	17.388	1.584	1922.343	0.08%	97.85%
56.0	16.814	1.545	1923.888	0.07%	97.93%
57.0	16.281	1.513	1925.401	0.07%	98.01%
58.0	15.803	1.484	1926.885	0.07%	98.08%
59.0	15.381	1.458	1928.343	0.07%	98.15%
60.0	15.015	1.436	1929.779	0.07%	98.23%
61.0	14.662	1.416	1931.195	0.07%	98.30%
62.0	14.309	1.396	1932.591	0.07%	98.37%
63.0	14.011	1.377	1933.969	0.07%	98.44%
64.0	13.721	1.361	1935.329	0.07%	98.51%
65.0	13.472	1.346	1936.675	0.06%	98.58%
66.0	13.167	1.329	1938.004	0.06%	98.65%
67.0	12.911	1.311	1939.316	0.06%	98.71%
68.0	12.655	1.295	1940.611	0.06%	98.78%
69.0	12.413	1.279	1941.89	0.06%	98.84%
70.0	12.150	1.262	1943.151	0.06%	98.91%
71.0	11.915	1.244	1944.395	0.06%	98.97%
72.0	11.673	1.226	1945.621	0.06%	99.03%
73.0	11.472	1.210	1946.832	0.06%	99.10%
74.0	11.230	1.193	1948.025	0.06%	99.16%
75.0	11.022	1.176	1949.201	0.06%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.842	1.161	1950.362	0.06%	99.28%
77.0	10.600	1.143	1951.505	0.05%	99.33%
78.0	10.351	1.122	1952.626	0.05%	99.39%
79.0	10.123	1.100	1953.726	0.05%	99.45%
80.0	9.922	1.081	1954.807	0.05%	99.50%
81.0	9.728	1.063	1955.87	0.05%	99.56%
82.0	9.486	1.042	1956.912	0.05%	99.61%
83.0	9.272	1.020	1957.931	0.05%	99.66%
84.0	9.085	1.000	1958.931	0.05%	99.71%
85.0	8.905	0.982	1959.913	0.05%	99.76%
86.0	8.746	0.965	1960.878	0.05%	99.81%
87.0	8.601	0.949	1961.827	0.05%	99.86%
88.0	8.441	0.934	1962.761	0.04%	99.91%
89.0	8.324	0.919	1963.68	0.04%	99.95%
90.0	8.275	0.910	1964.59	0.04%	100.00%

Zonal flux distribution table

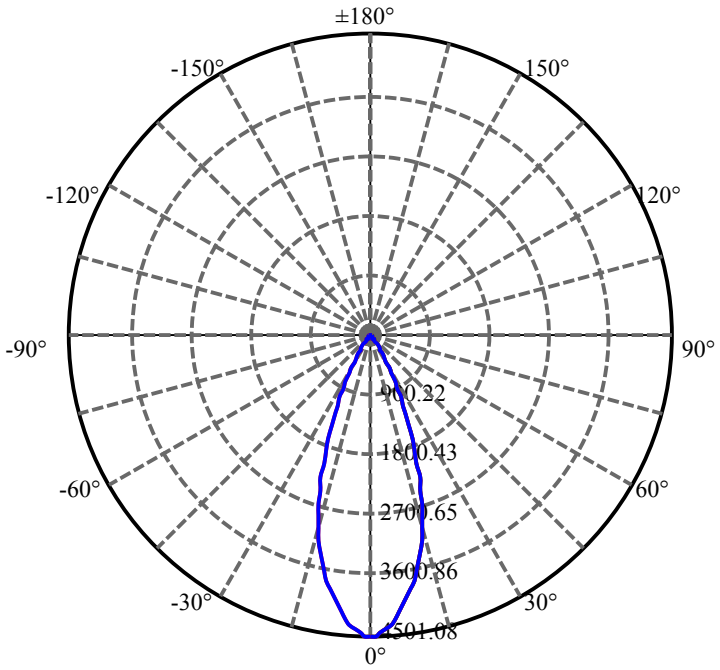
ZONAL LUMEN SUMMARY

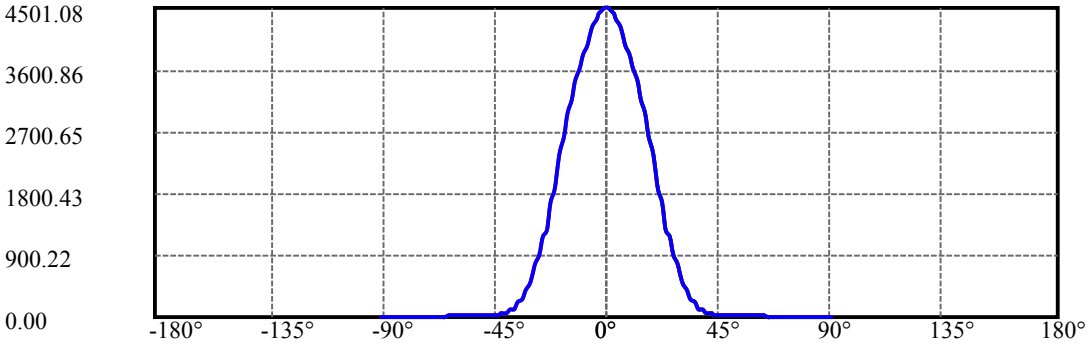
Zone	Lumens	%Lamp	%Fixt
0-30	1739.62	83.51%	88.55%
0-40	1887.19	90.59%	96.06%
0-60	1929.78	92.64%	98.23%
0-90	1963.68	94.26%	99.95%
0-120	1963.68	94.26%	99.95%
0-180	1964.59	94.31%	100.00%
60-90	33.90	1.63%	1.73%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.87	1571.67	75.45%	80.00%

ZONAL LUMEN SUMMARY

0-10	388.62
10-20	812.14
20-30	538.86
30-40	147.58
40-50	26.72
50-60	15.86
60-70	13.37
70-80	11.66
80-90	8.87
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:31.2 Right:31.2
:C90/270Left:31.2 Right:31.2

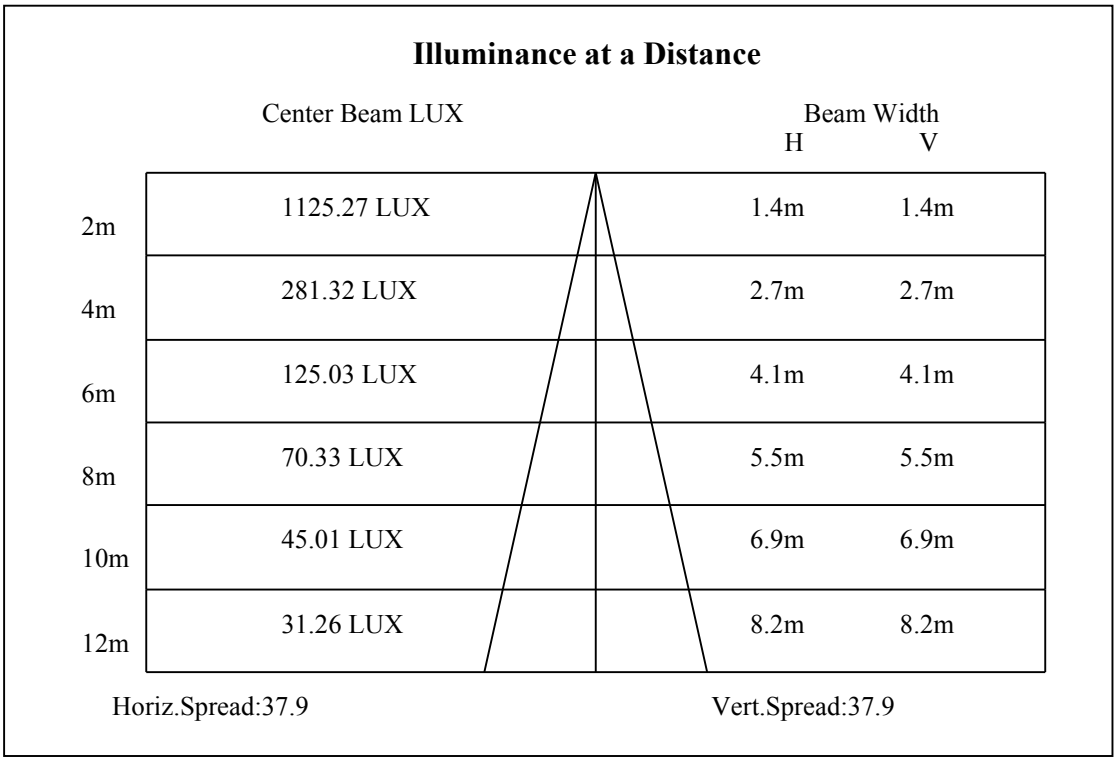
Beam Angle(50%Imax):C0/180Left:19.0 Right:19.0
:C90/270Left:19.0 Right:19.0

Equipment: GMS1980
Temperature(°C): 0.0

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

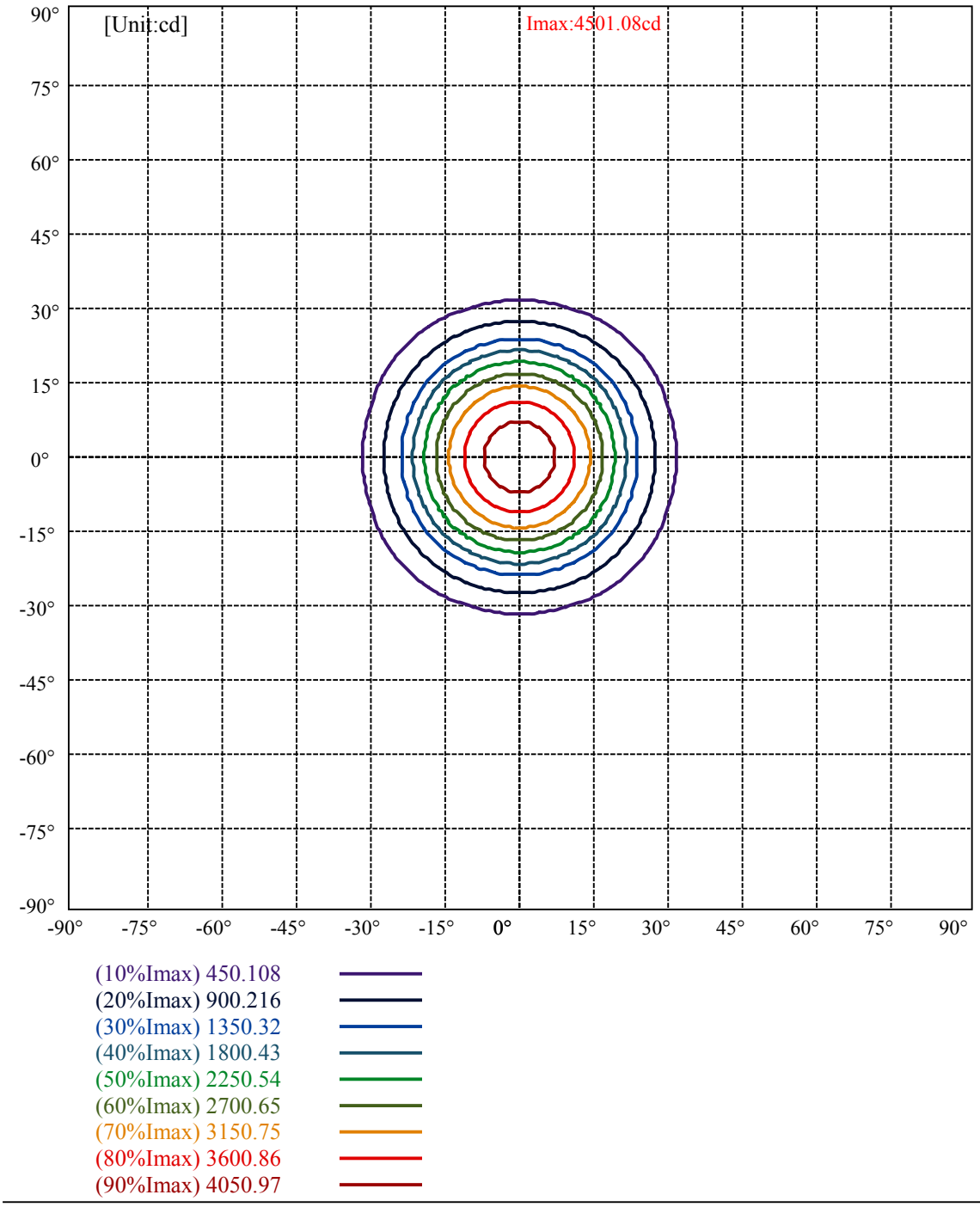
Operator: NT07
Distance(m): 7.44

Lux distance Curve



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

ISO-Intensity(V-H)

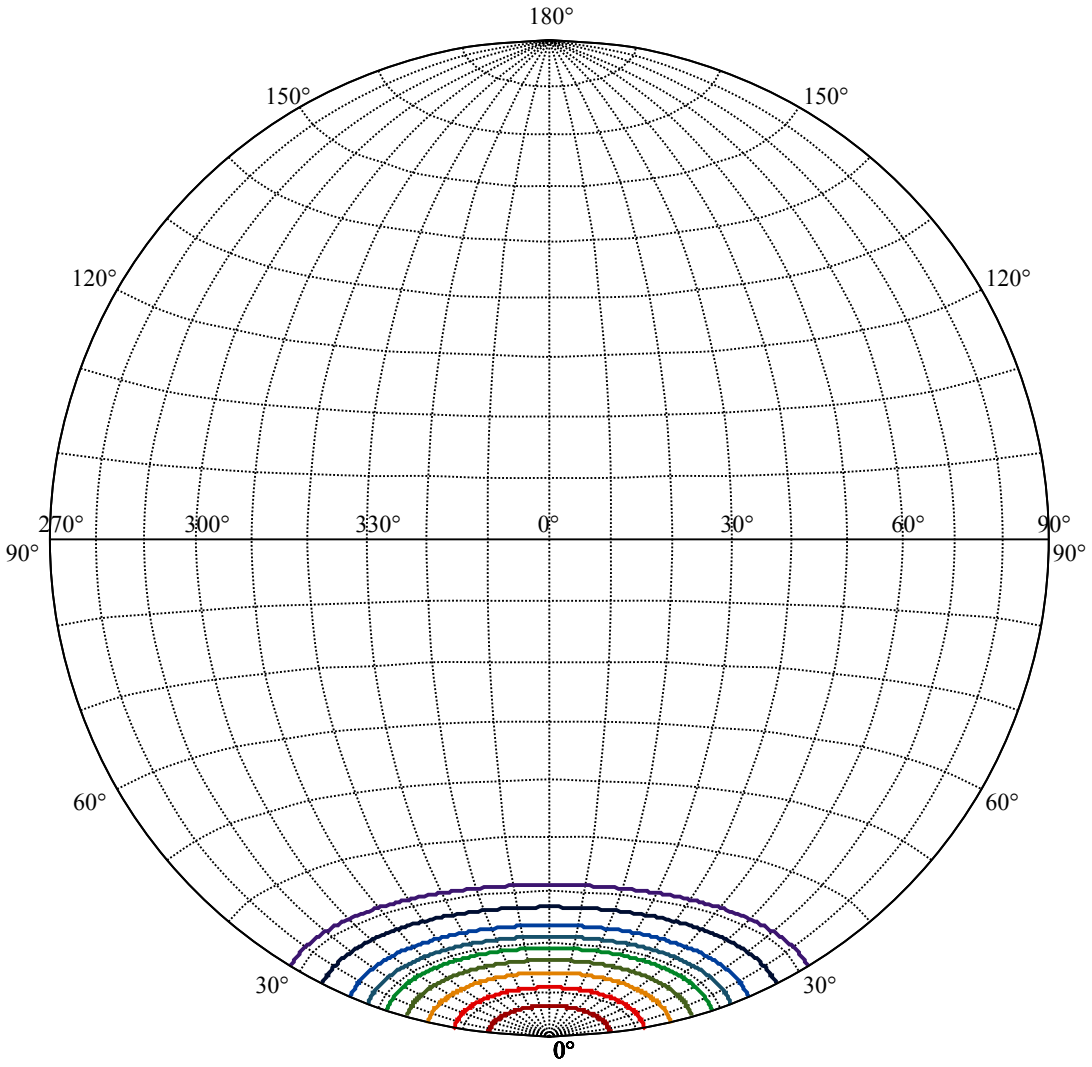


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:4501.08

(10%Imax) 450.108
(20%Imax) 900.216
(30%Imax) 1350.32
(40%Imax) 1800.43
(50%Imax) 2250.54
(60%Imax) 2700.65
(70%Imax) 3150.75
(80%Imax) 3600.86
(90%Imax) 4050.97

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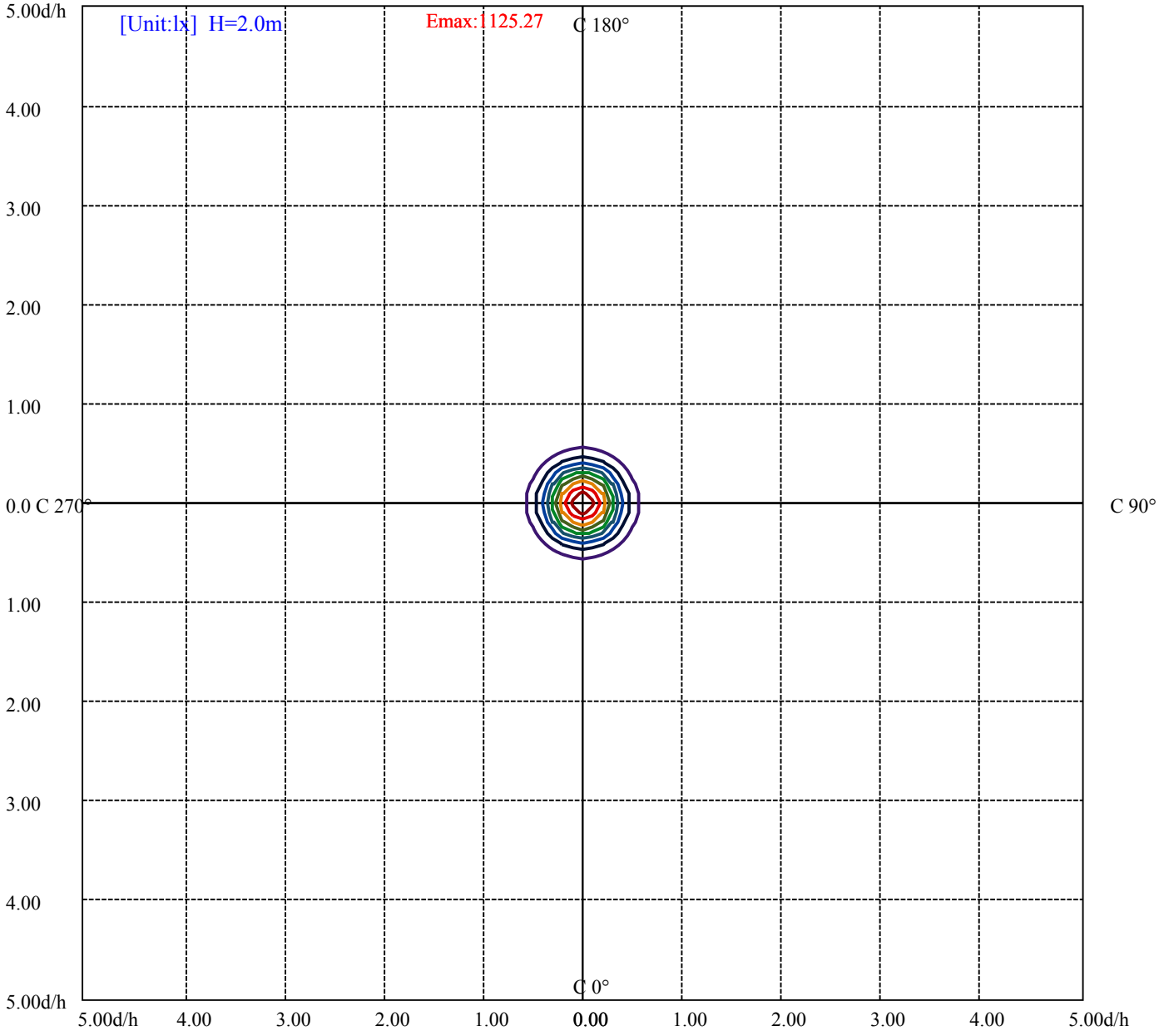
ISO illuminance diagram



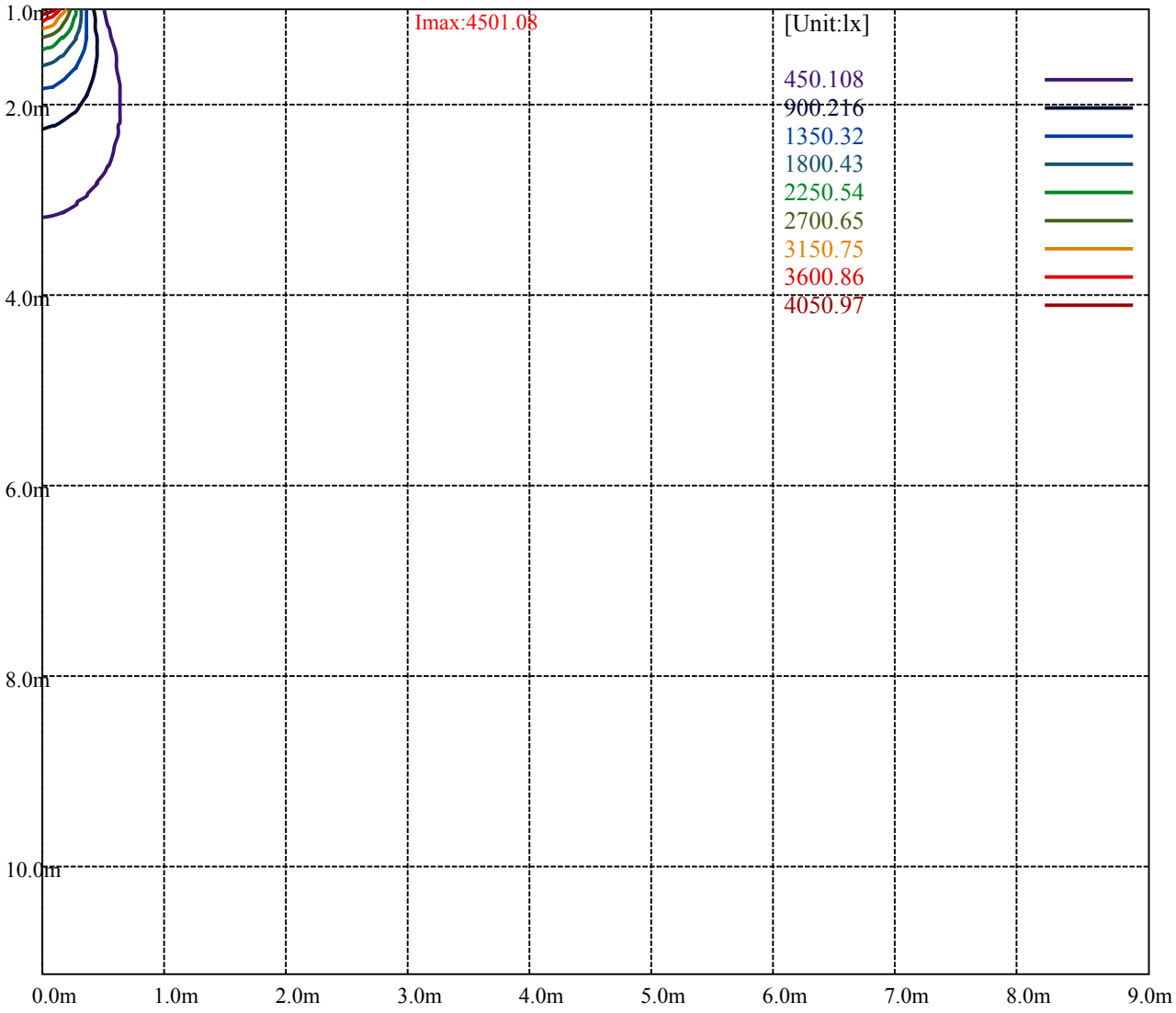
(10%Emax) 112.527
(20%Emax) 225.0538
(30%Emax) 337.58
(40%Emax) 450.1075
(50%Emax) 562.635
(60%Emax) 675.1625
(70%Emax) 787.6875
(80%Emax) 900.215
(90%Emax) 1012.742

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

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Luminance Limitting Curve(no luminous side)

Luminance Table

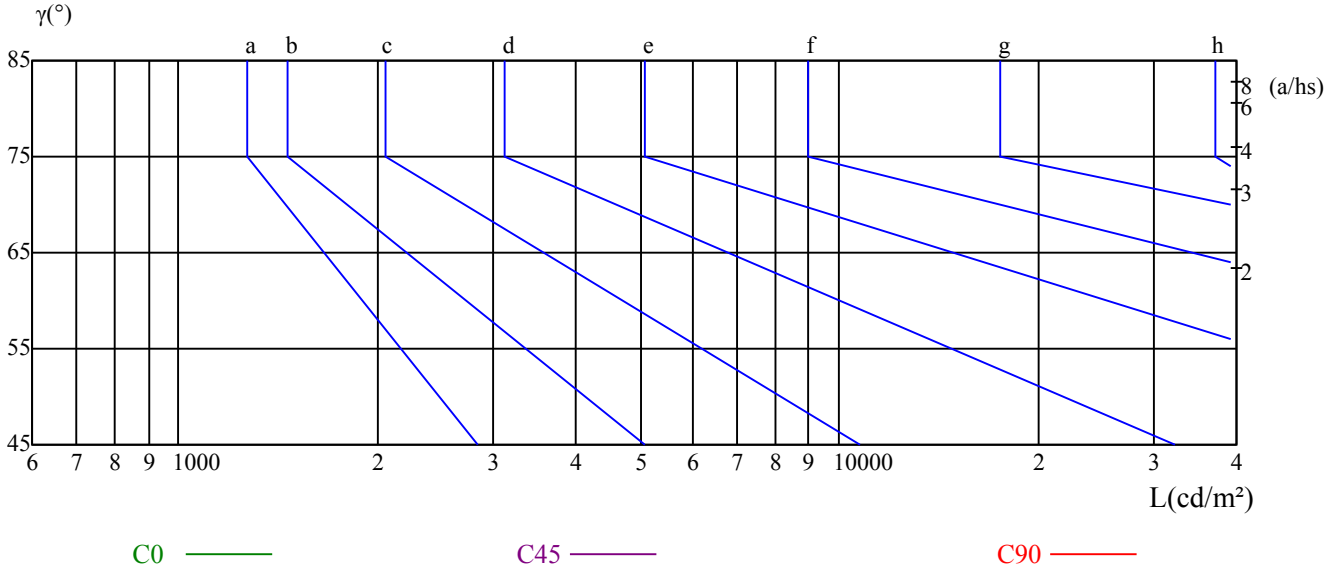
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

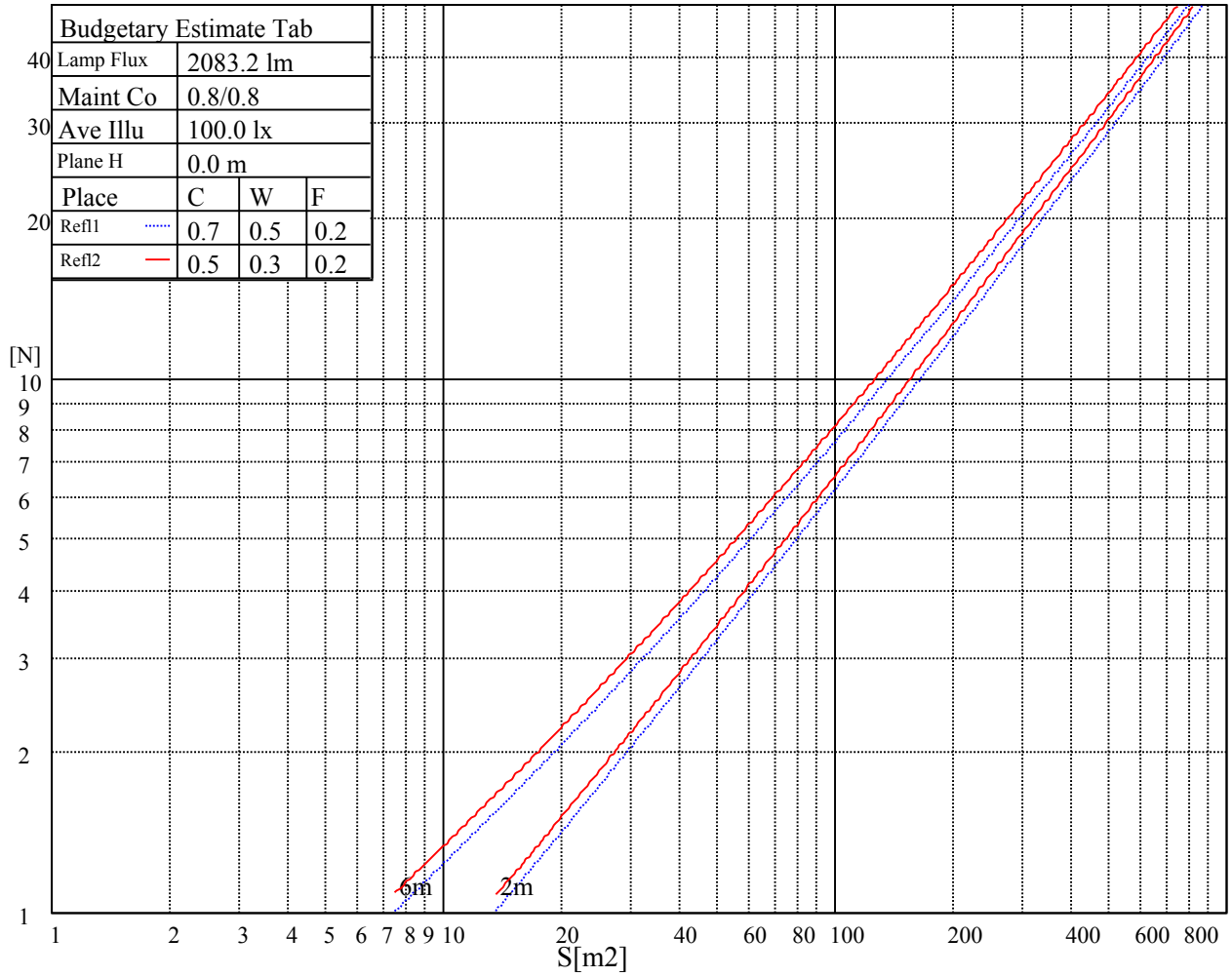
Date: 2023/10/26
Humidity(%): 0.0%

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

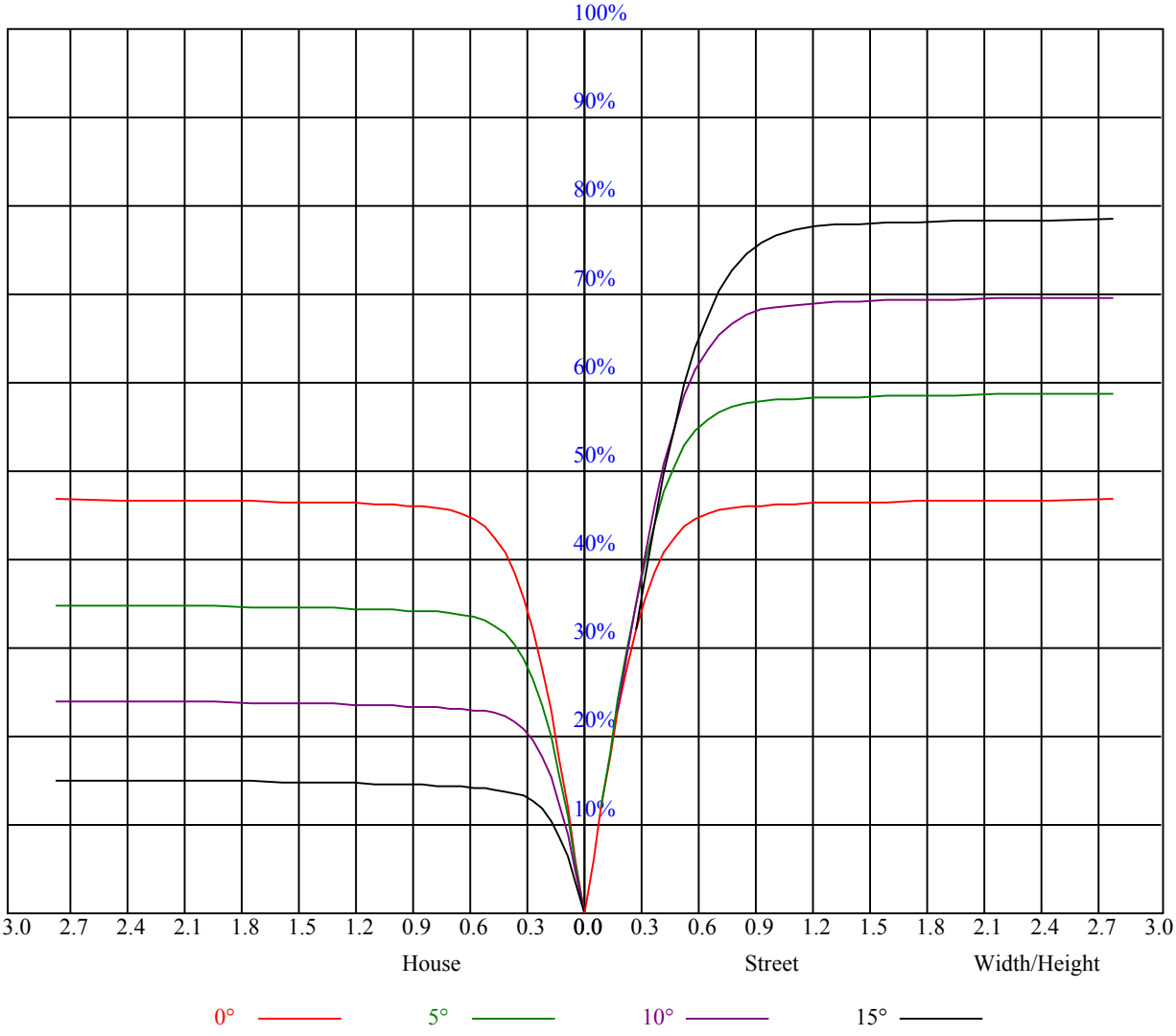


Equipment: GMS1980 Date: 2023/10/26 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.86	0.92	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.72	0.69	0.77	0.72	0.69	0.75	0.71	0.69	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	0.68	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59

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	4452.09	4406.15	4351.90	4269.98	4159.82	4054.65	3941.18	3849.29	3745.78
45.0	4524.60	4478.11	4428.84	4352.45	4261.67	4168.68	4072.92	3955.01	3852.06
90.0	4486.41	4444.34	4365.18	4284.92	4202.45	4095.61	3991.55	3885.82	3784.53
135.0	4541.21	4516.30	4489.73	4444.34	4367.95	4288.24	4205.77	4087.86	3987.67
180.0	4452.09	4520.73	4520.17	4503.02	4495.27	4423.86	4366.85	4294.33	4198.57
225.0	4524.60	4515.19	4504.12	4479.21	4410.57	4355.77	4253.92	4148.75	4017.01
270.0	4486.41	4531.80	4504.12	4485.30	4460.95	4372.38	4292.12	4195.25	4093.95
315.0	4541.21	4489.18	4463.71	4413.34	4326.44	4237.32	4153.73	4028.64	3928.44
360.0	4452.09	4406.15	4351.90	4269.98	4159.82	4054.65	3941.18	3849.29	3745.78

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3600.20	3473.99	3343.91	3210.51	3043.34	2893.33	2734.47	2565.64	2355.85
45.0	3719.76	3621.79	3509.97	3354.43	3235.97	3107.55	2978.58	2776.54	2618.78
90.0	3688.21	3553.70	3438.01	3310.15	3156.82	3021.20	2817.50	2642.58	2472.09
135.0	3899.66	3800.58	3672.71	3545.40	3406.46	3224.35	3064.93	2858.46	2682.44
180.0	4078.45	3982.69	3858.70	3743.56	3618.46	3440.23	3285.79	3117.51	2950.90
225.0	3917.37	3810.54	3660.53	3525.47	3376.57	3183.39	3007.91	2833.55	2648.67
270.0	3986.57	3881.95	3772.90	3610.16	3469.01	3327.30	3171.21	2962.52	2794.80
315.0	3817.74	3714.23	3546.51	3405.35	3259.22	3105.89	2913.26	2744.43	2525.23
360.0	3600.20	3473.99	3343.91	3210.51	3043.34	2893.33	2734.47	2565.64	2355.85

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2180.93	2009.34	1787.37	1625.18	1466.32	1099.32	1099.32	999.41	842.76
45.0	2454.93	2298.28	2085.17	1914.13	1749.73	1550.45	1396.57	1245.46	1057.25
90.0	2257.87	2077.42	1905.27	1737.55	1572.60	1262.06	1079.67	1079.67	950.48
135.0	2506.96	2326.51	2085.72	1893.09	1720.39	1552.11	1352.84	1205.60	1070.54
180.0	2718.97	2525.78	2330.39	2133.88	1895.31	1712.64	1532.74	1337.34	1204.49
225.0	2417.85	2227.43	2024.83	1828.88	1604.70	1441.96	1099.71	1099.71	1014.41
270.0	2570.07	2387.95	2197.54	1963.95	1786.81	1613.56	1412.07	1260.96	1133.09
315.0	2358.06	2176.50	1944.57	1760.24	1591.42	1397.68	1089.86	1089.86	999.30
360.0	2180.93	2009.34	1787.37	1625.18	1466.32	1099.32	1099.32	999.41	842.76

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	724.63	617.69	499.90	418.25	346.46	283.58	229.99	175.58	141.82
45.0	916.66	761.11	652.07	556.86	469.40	371.42	305.55	290.61	290.61
90.0	798.92	688.27	589.68	477.48	397.49	312.25	256.51	208.57	159.53
135.0	946.55	803.73	700.78	603.35	492.65	413.49	327.69	283.41	283.41
180.0	1082.16	934.92	828.64	698.01	600.03	506.49	419.03	332.68	285.07
225.0	902.37	772.02	667.01	568.92	458.60	381.00	312.47	253.41	192.19
270.0	1018.51	876.25	767.75	664.80	566.27	450.02	375.30	307.77	292.27
315.0	855.16	746.11	640.55	542.80	435.41	359.80	294.92	227.95	185.16
360.0	724.63	617.69	499.90	418.25	346.46	283.58	229.99	175.58	141.82

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	115.08	88.68	72.35	59.73	48.66	42.51	36.98	33.49	30.61
45.0	151.45	121.61	97.31	78.71	61.94	52.42	45.50	39.25	35.37
90.0	128.97	104.01	84.03	65.65	54.80	47.05	41.29	36.15	32.82
135.0	165.40	132.79	105.56	84.30	64.82	54.03	46.22	40.63	35.48
180.0	285.07	171.26	128.86	103.23	83.25	68.08	54.08	45.94	39.13
225.0	152.89	121.11	96.54	73.79	61.00	51.53	42.95	38.14	33.60
270.0	225.07	151.00	113.14	91.44	73.79	58.73	49.26	42.68	37.81
315.0	149.45	115.08	93.60	76.28	59.84	50.48	43.56	38.47	33.77
360.0	115.08	88.68	72.35	59.73	48.66	42.51	36.98	33.49	30.61

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	28.17	26.13	24.02	22.64	21.42	20.37	19.26	18.54	17.77
45.0	31.61	29.23	27.12	25.30	23.30	22.03	20.98	20.04	18.99
90.0	30.11	27.40	25.57	23.97	22.31	21.15	20.09	19.04	18.38
135.0	32.33	29.17	27.07	25.30	23.69	22.09	20.92	19.93	18.88
180.0	35.15	32.05	29.06	27.01	25.30	23.80	22.20	21.03	20.04
225.0	30.89	28.51	26.63	24.52	23.14	21.92	20.81	19.71	18.88
270.0	33.27	30.56	28.29	26.29	24.19	22.81	21.59	20.20	19.32
315.0	30.89	28.45	26.40	24.13	22.75	21.48	20.09	19.15	18.21
360.0	28.17	26.13	24.02	22.64	21.42	20.37	19.26	18.54	17.77

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.16	16.66	16.11	15.67	15.28	14.83	14.50	14.23	13.89
45.0	18.27	17.71	17.16	16.50	16.05	15.50	15.17	14.89	14.45
90.0	17.77	17.10	16.50	16.05	15.61	15.22	14.83	14.50	14.17
135.0	18.16	17.49	16.94	16.33	15.89	15.50	15.11	14.72	14.34
180.0	19.21	18.27	17.55	17.05	16.38	15.94	15.50	15.11	14.72
225.0	18.16	17.33	16.83	16.38	15.78	15.39	15.11	14.67	14.34
270.0	18.54	17.60	16.99	16.38	15.94	15.55	15.17	14.78	14.50
315.0	17.49	16.94	16.44	15.89	15.50	15.11	14.72	14.39	14.06
360.0	17.16	16.66	16.11	15.67	15.28	14.83	14.50	14.23	13.89

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.56	13.34	13.06	12.84	12.57	12.29	12.07	11.79	11.62
45.0	14.17	13.89	13.67	13.34	13.06	12.84	12.62	12.29	12.07
90.0	13.84	13.62	13.28	13.01	12.79	12.57	12.23	12.01	11.79
135.0	14.12	13.78	13.56	13.23	12.95	12.73	12.51	12.23	11.96
180.0	14.39	14.06	13.78	13.51	13.28	12.95	12.73	12.45	12.23
225.0	14.06	13.73	13.51	13.17	12.95	12.68	12.40	12.18	11.96
270.0	14.17	13.84	13.62	13.28	13.01	12.73	12.51	12.29	11.96
315.0	13.78	13.51	13.28	12.95	12.68	12.45	12.23	11.96	11.73
360.0	13.56	13.34	13.06	12.84	12.57	12.29	12.07	11.79	11.62

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.35	11.18	11.02	10.74	10.57	10.35	10.13	9.91	9.69
45.0	11.79	11.57	11.35	11.13	10.96	10.74	10.46	10.19	10.02
90.0	11.57	11.35	11.13	10.96	10.74	10.46	10.24	9.96	9.80
135.0	11.79	11.57	11.29	11.13	10.90	10.68	10.41	10.19	9.96
180.0	11.96	11.73	11.51	11.24	11.07	10.85	10.57	10.35	10.13
225.0	11.68	11.51	11.18	11.02	10.85	10.52	10.35	10.07	9.91
270.0	11.73	11.57	11.29	11.07	10.90	10.74	10.41	10.24	10.02
315.0	11.51	11.29	11.07	10.90	10.74	10.46	10.24	10.07	9.85
360.0	11.35	11.18	11.02	10.74	10.57	10.35	10.13	9.91	9.69

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.52	9.30	9.08	8.97	8.80	8.58	8.47	8.30	8.25
45.0	9.85	9.63	9.35	9.13	8.97	8.80	8.64	8.47	8.30
90.0	9.63	9.35	9.19	8.97	8.80	8.69	8.52	8.36	8.25
135.0	9.74	9.58	9.30	9.13	8.97	8.80	8.64	8.52	8.36
180.0	9.96	9.63	9.41	9.30	9.02	8.86	8.69	8.52	8.41
225.0	9.63	9.41	9.24	9.02	8.80	8.69	8.58	8.36	8.30
270.0	9.85	9.58	9.41	9.13	8.97	8.80	8.64	8.52	8.41
315.0	9.63	9.41	9.19	9.02	8.91	8.75	8.64	8.47	8.30
360.0	9.52	9.30	9.08	8.97	8.80	8.58	8.47	8.30	8.25

Intensity data(cd)

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