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NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.427.00
Report No: 20231120-B009
Ballast type: AC

Test No: 20231120-C009	Voltage(V): 36.530
LampCAT: P2121-018-1203-P3090-1	Current(A): 0.399
Lamp flux(lm): 2085.4	Power (W): 14.575
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1946.01, Efficiency(%): 93.32% , Luminous Efficacy(lm/W): 133.52
Central intensity(cd): 2775.568, Maximum intensity(cd): 2775.568
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=51.8
[C90/270]Total=51.8
Field angle(10%Imax): [C0/180]Total=71.2
[C90/270]Total=71.2
Beam angle of C0 plane : 51.89
Aveage BeamAngle(IEC 61341):51.89
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(%): 93.32%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.032%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2775.568	0.000	0	0.00%	0.00%
1.0	2767.057	2.652	2.652	0.13%	0.14%
2.0	2749.413	7.918	10.57	0.38%	0.54%
3.0	2743.255	13.137	23.706	0.63%	1.22%
4.0	2742.425	18.362	42.069	0.88%	2.16%
5.0	2735.921	23.568	65.636	1.13%	3.37%
6.0	2723.051	28.688	94.325	1.38%	4.85%
7.0	2703.608	33.683	128.008	1.62%	6.58%
8.0	2680.221	38.531	166.539	1.85%	8.56%
9.0	2649.777	43.197	209.736	2.07%	10.78%
10.0	2617.464	47.667	257.402	2.29%	13.23%
11.0	2586.535	51.999	309.401	2.49%	15.90%
12.0	2552.839	56.181	365.582	2.69%	18.79%
13.0	2519.004	60.190	425.772	2.89%	21.88%
14.0	2482.886	64.024	489.795	3.07%	25.17%
15.0	2444.415	67.644	557.44	3.24%	28.65%
16.0	2399.855	70.982	628.422	3.40%	32.29%
17.0	2353.912	74.029	702.451	3.55%	36.10%
18.0	2298.973	76.716	779.167	3.68%	40.04%
19.0	2232.895	78.845	858.012	3.78%	44.09%
20.0	2149.726	80.214	938.226	3.85%	48.21%
21.0	2056.109	80.761	1018.986	3.87%	52.36%
22.0	1951.214	80.529	1099.515	3.86%	56.50%
23.0	1830.474	79.350	1178.865	3.81%	60.58%
24.0	1704.891	77.296	1256.161	3.71%	64.55%
25.0	1539.709	73.775	1329.936	3.54%	68.34%
26.0	1379.149	68.900	1398.836	3.30%	71.88%
27.0	1217.828	63.536	1462.372	3.05%	75.15%
28.0	1106.283	58.842	1521.213	2.82%	78.17%
29.0	958.565	54.022	1575.236	2.59%	80.95%
30.0	813.124	47.835	1623.071	2.29%	83.41%
31.0	683.126	41.638	1664.709	2.00%	85.54%
32.0	570.758	35.922	1700.632	1.72%	87.39%
33.0	469.779	30.655	1731.286	1.47%	88.97%
34.0	385.247	25.876	1757.162	1.24%	90.30%
35.0	308.845	21.556	1778.718	1.03%	91.40%
36.0	259.595	18.099	1796.817	0.87%	92.33%
37.0	231.399	16.013	1812.83	0.77%	93.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	173.755	13.523	1826.354	0.65%	93.85%
39.0	130.814	10.396	1836.75	0.50%	94.39%
40.0	107.386	8.308	1845.057	0.40%	94.81%
41.0	89.424	7.008	1852.066	0.34%	95.17%
42.0	74.797	5.966	1858.032	0.29%	95.48%
43.0	64.646	5.165	1863.197	0.25%	95.74%
44.0	55.817	4.547	1867.744	0.22%	95.98%
45.0	48.926	4.025	1871.769	0.19%	96.19%
46.0	43.750	3.624	1875.394	0.17%	96.37%
47.0	39.253	3.301	1878.695	0.16%	96.54%
48.0	35.703	3.030	1881.725	0.15%	96.70%
49.0	32.624	2.806	1884.531	0.13%	96.84%
50.0	30.272	2.622	1887.153	0.13%	96.98%
51.0	28.196	2.474	1889.627	0.12%	97.10%
52.0	26.411	2.343	1891.97	0.11%	97.22%
53.0	24.902	2.232	1894.202	0.11%	97.34%
54.0	23.511	2.134	1896.336	0.10%	97.45%
55.0	22.425	2.051	1898.387	0.10%	97.55%
56.0	21.394	1.980	1900.367	0.09%	97.65%
57.0	20.515	1.916	1902.283	0.09%	97.75%
58.0	19.685	1.859	1904.142	0.09%	97.85%
59.0	18.966	1.807	1905.949	0.09%	97.94%
60.0	18.308	1.761	1907.71	0.08%	98.03%
61.0	17.651	1.716	1909.426	0.08%	98.12%
62.0	17.118	1.675	1911.101	0.08%	98.21%
63.0	16.585	1.639	1912.74	0.08%	98.29%
64.0	16.108	1.604	1914.345	0.08%	98.37%
65.0	15.672	1.573	1915.917	0.08%	98.45%
66.0	15.236	1.542	1917.46	0.07%	98.53%
67.0	14.828	1.512	1918.971	0.07%	98.61%
68.0	14.433	1.482	1920.454	0.07%	98.69%
69.0	14.067	1.454	1921.907	0.07%	98.76%
70.0	13.700	1.426	1923.334	0.07%	98.83%
71.0	13.354	1.398	1924.732	0.07%	98.91%
72.0	12.994	1.370	1926.102	0.07%	98.98%
73.0	12.648	1.341	1927.443	0.06%	99.05%
74.0	12.323	1.313	1928.756	0.06%	99.11%
75.0	11.963	1.283	1930.039	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.652	1.254	1931.292	0.06%	99.24%
77.0	11.285	1.223	1932.515	0.06%	99.31%
78.0	10.988	1.192	1933.708	0.06%	99.37%
79.0	10.676	1.164	1934.872	0.06%	99.43%
80.0	10.351	1.134	1936.005	0.05%	99.49%
81.0	10.081	1.105	1937.11	0.05%	99.54%
82.0	9.818	1.079	1938.189	0.05%	99.60%
83.0	9.576	1.054	1939.244	0.05%	99.65%
84.0	9.334	1.030	1940.274	0.05%	99.71%
85.0	9.071	1.005	1941.278	0.05%	99.76%
86.0	8.877	0.981	1942.259	0.05%	99.81%
87.0	8.711	0.963	1943.222	0.05%	99.86%
88.0	8.545	0.945	1944.167	0.05%	99.91%
89.0	8.379	0.928	1945.095	0.04%	99.95%
90.0	8.296	0.914	1946.009	0.04%	100.00%

Zonal flux distribution table

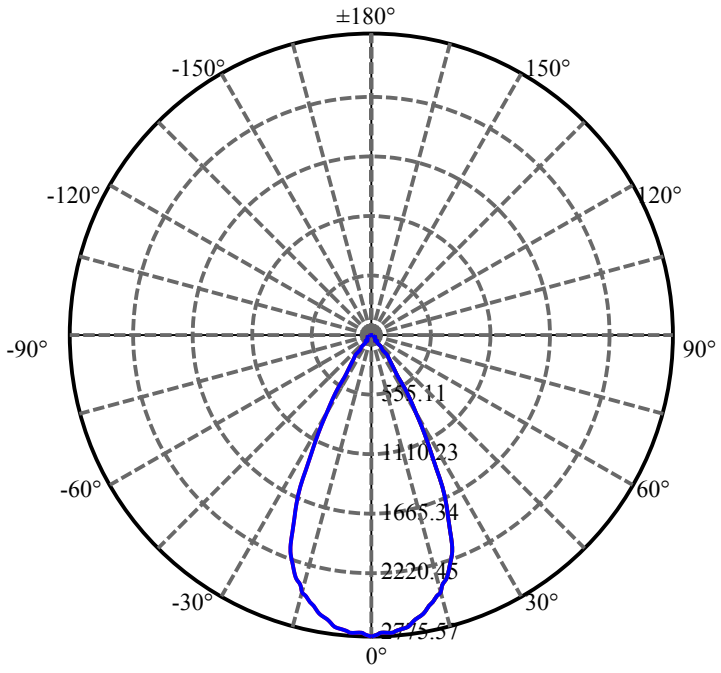
ZONAL LUMEN SUMMARY

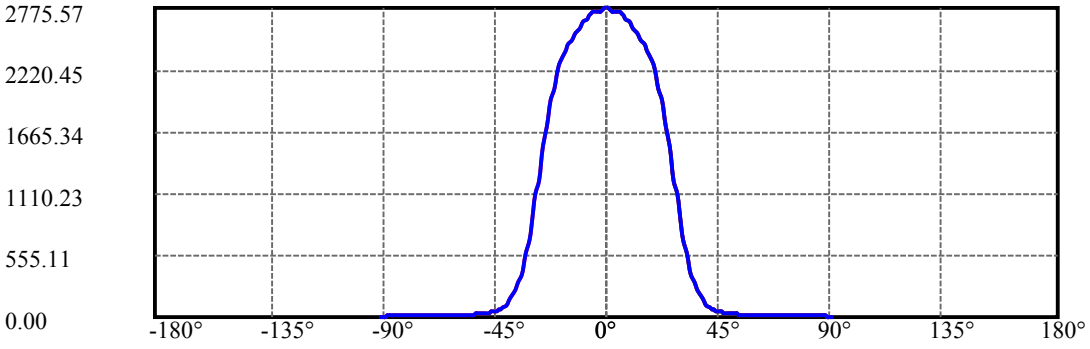
Zone	Lumens	%Lamp	%Fixt
0-30	1623.07	77.83%	83.41%
0-40	1845.06	88.48%	94.81%
0-60	1907.71	91.48%	98.03%
0-90	1945.09	93.27%	99.95%
0-120	1945.09	93.27%	99.95%
0-180	1946.01	93.32%	100.00%
60-90	37.39	1.79%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.66	1556.81	74.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	257.40
10-20	680.82
20-30	684.84
30-40	221.99
40-50	42.10
50-60	20.56
60-70	15.62
70-80	12.67
80-90	9.09
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):

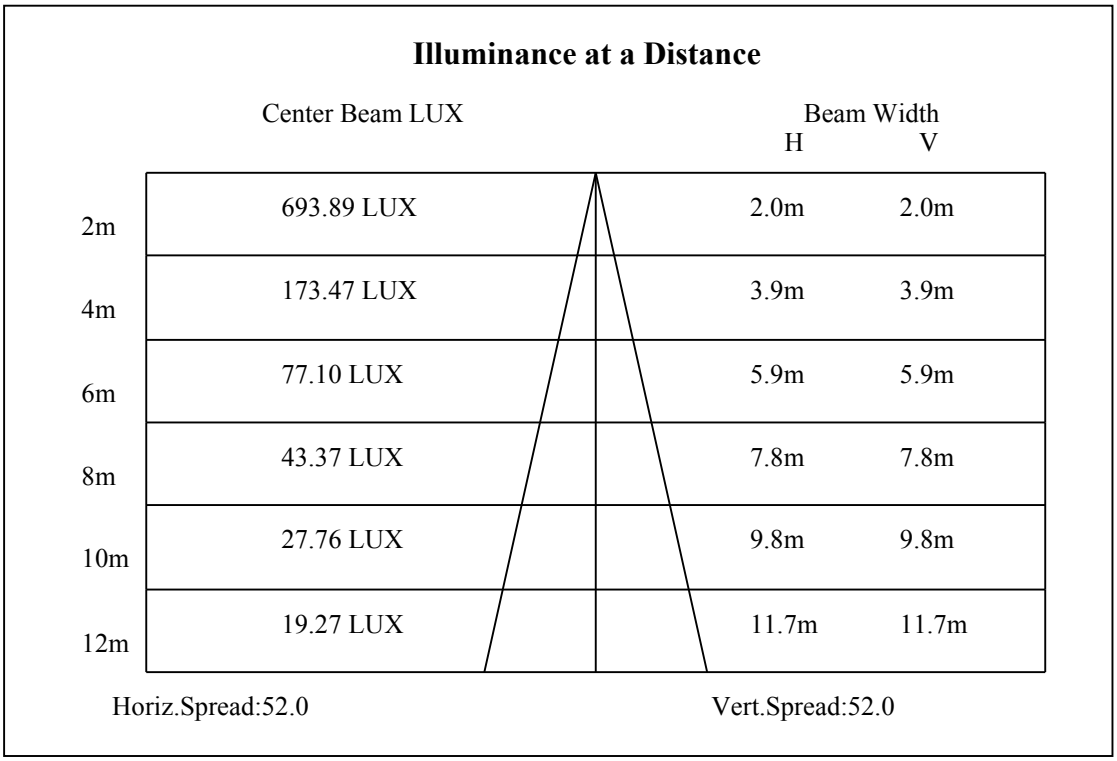
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.6 Right:35.6
:C90/270Left:35.6 Right:35.6

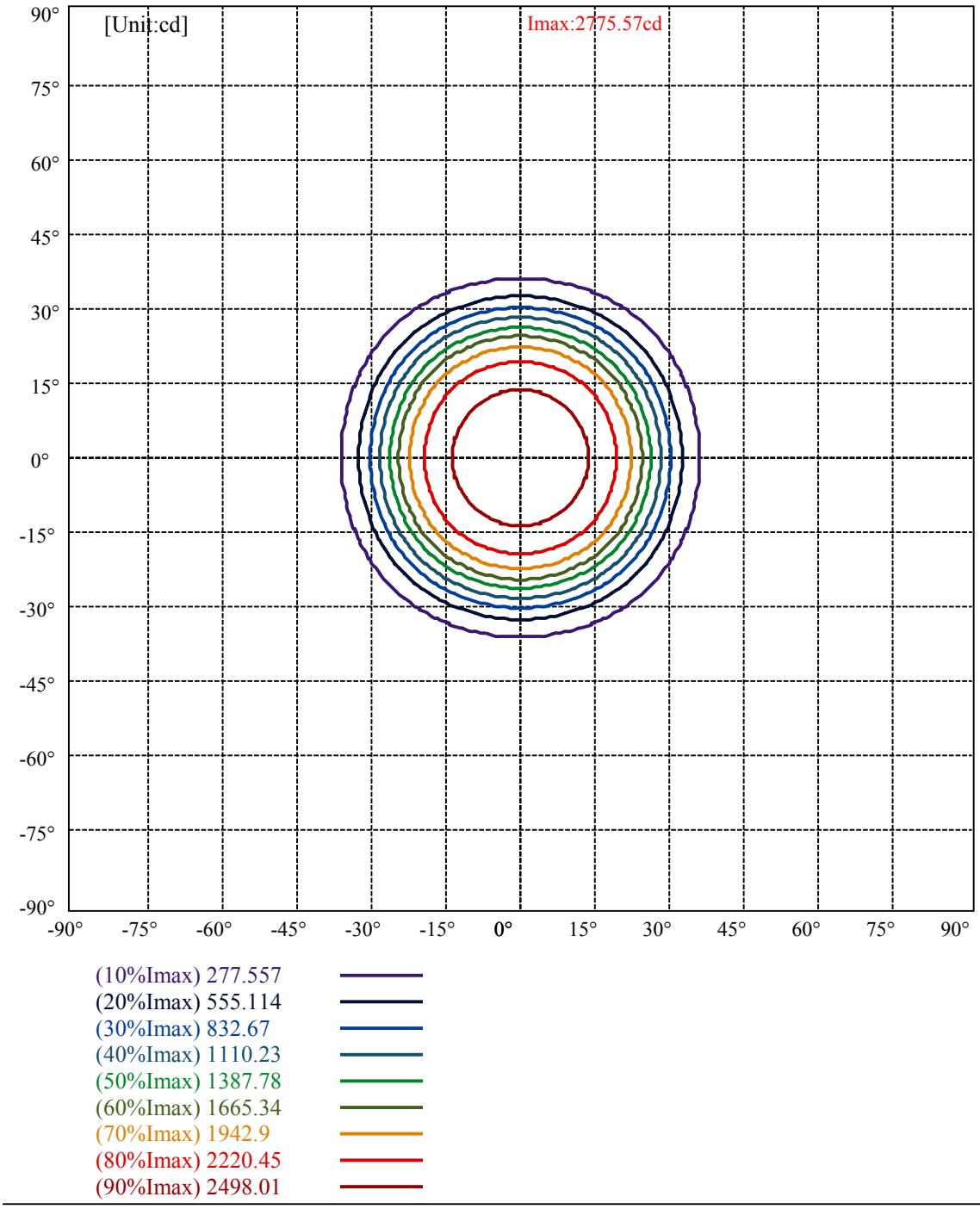
Beam Angle(50%Imax):C0/180Left:25.9 Right:25.9
:C90/270Left:25.9 Right:25.9

Lux distance Curve



Equipment: GMS1980 Date: 2023/11/20 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

ISO-Intensity(V-H)

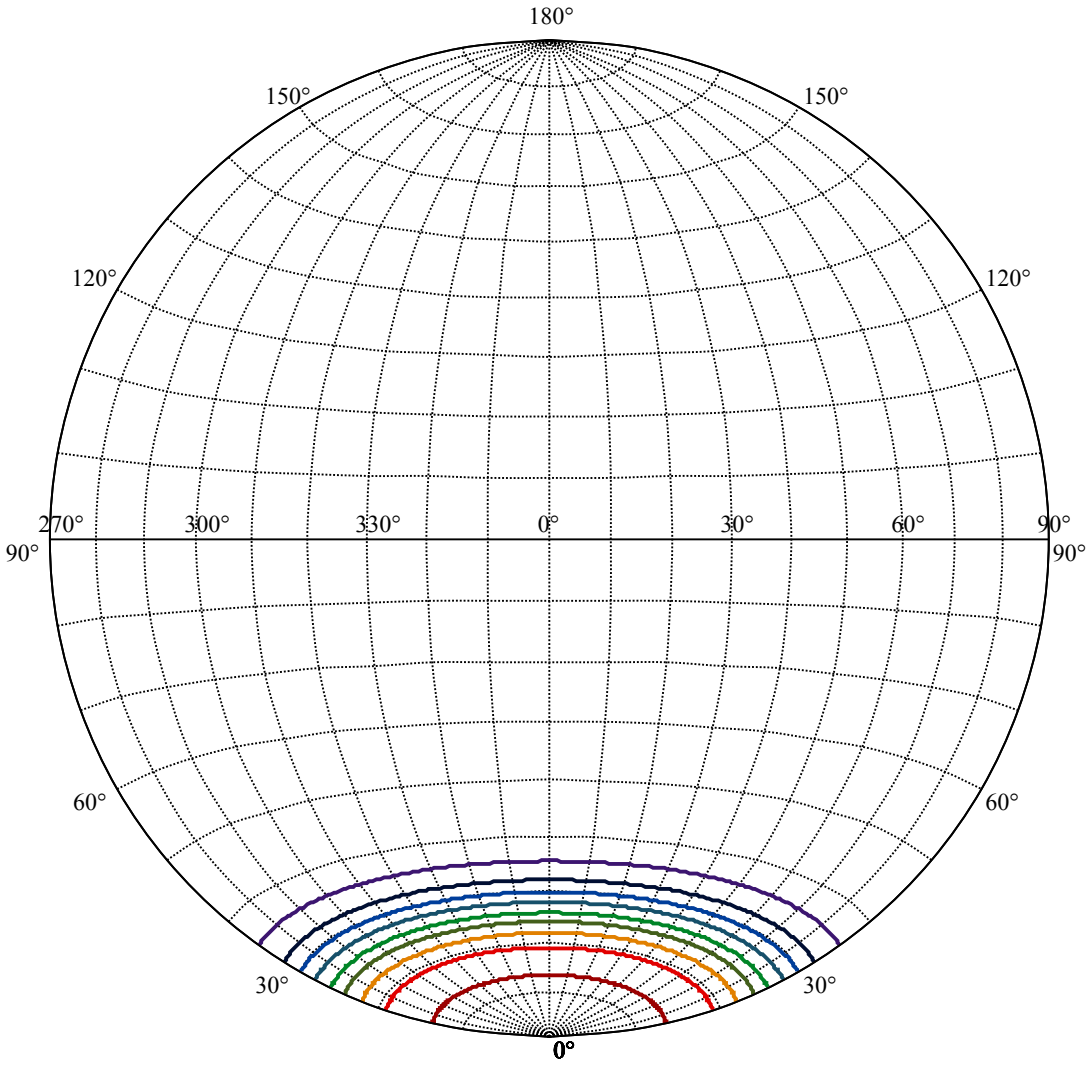


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

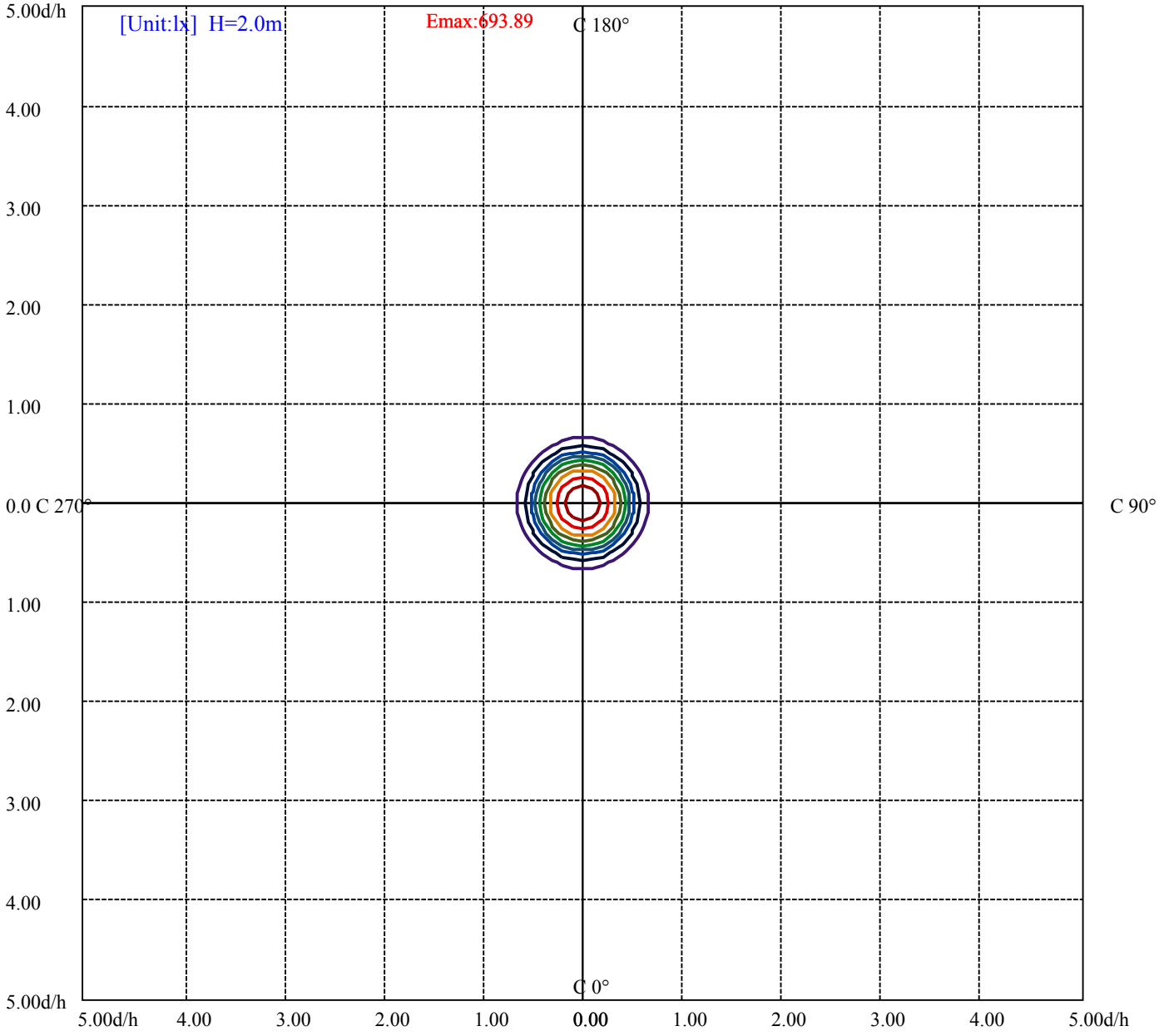
Imax:2775.57

(10%Imax) 277.557
(20%Imax) 555.114
(30%Imax) 832.67
(40%Imax) 1110.23
(50%Imax) 1387.78
(60%Imax) 1665.34
(70%Imax) 1942.9
(80%Imax) 2220.45
(90%Imax) 2498.01

Equipment: GMS1980 Date: 2023/11/20 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1380-L

ISO illuminance diagram

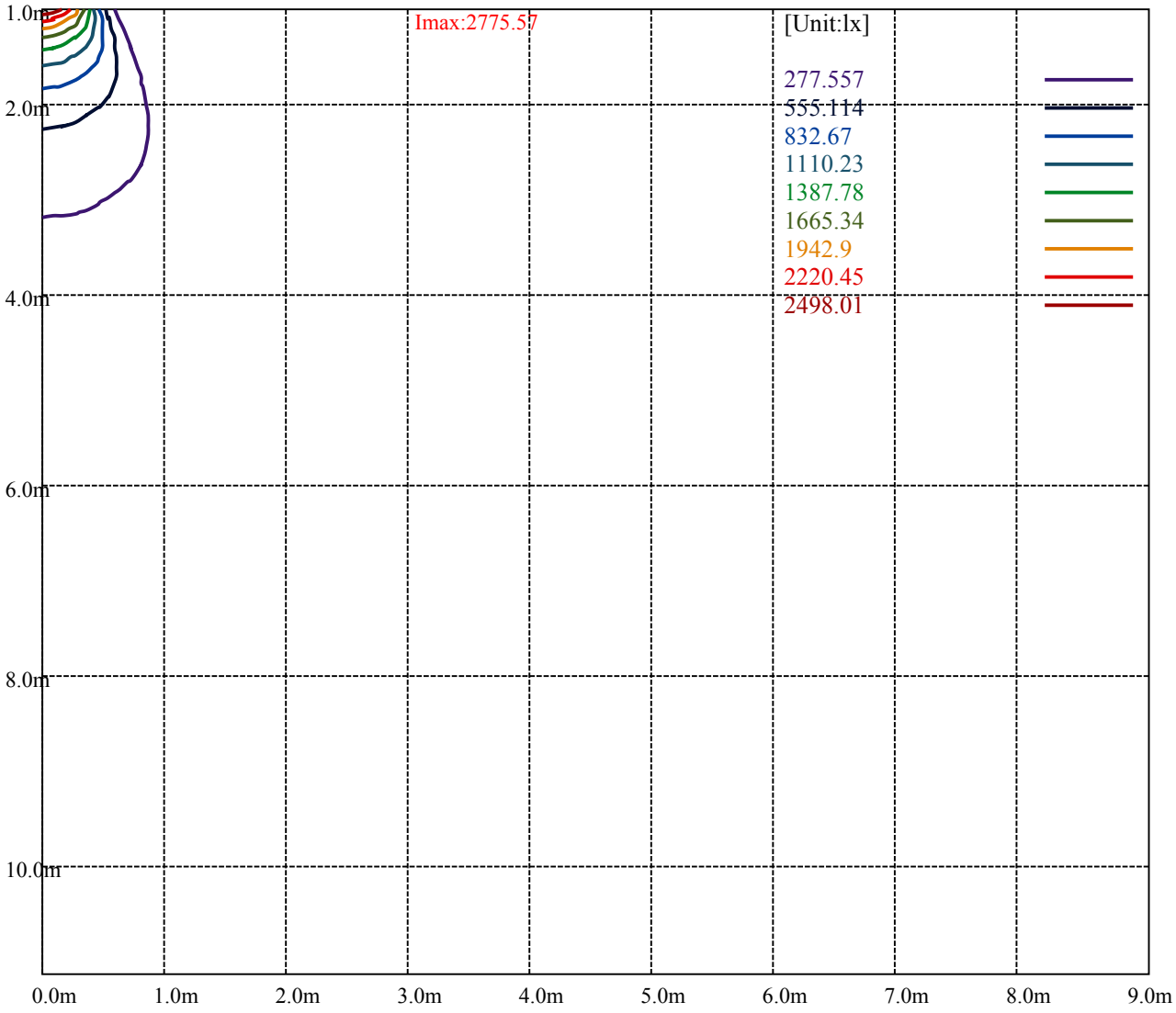


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/20
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

Luminance Limitting Curve(no luminous side)

Luminance Table

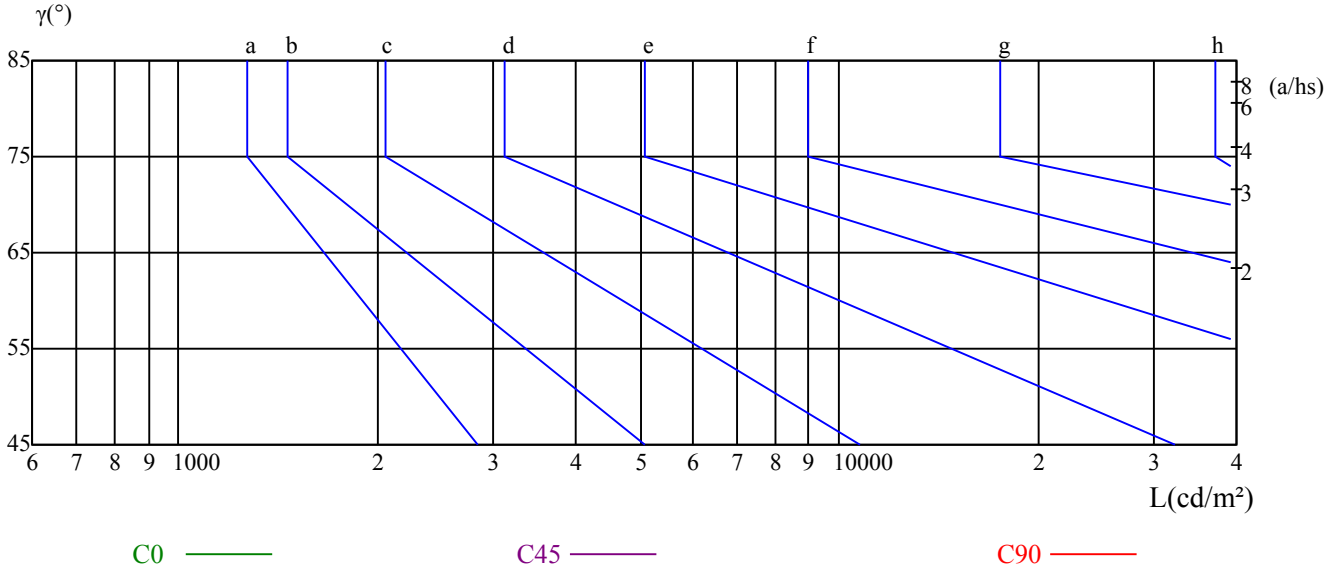
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

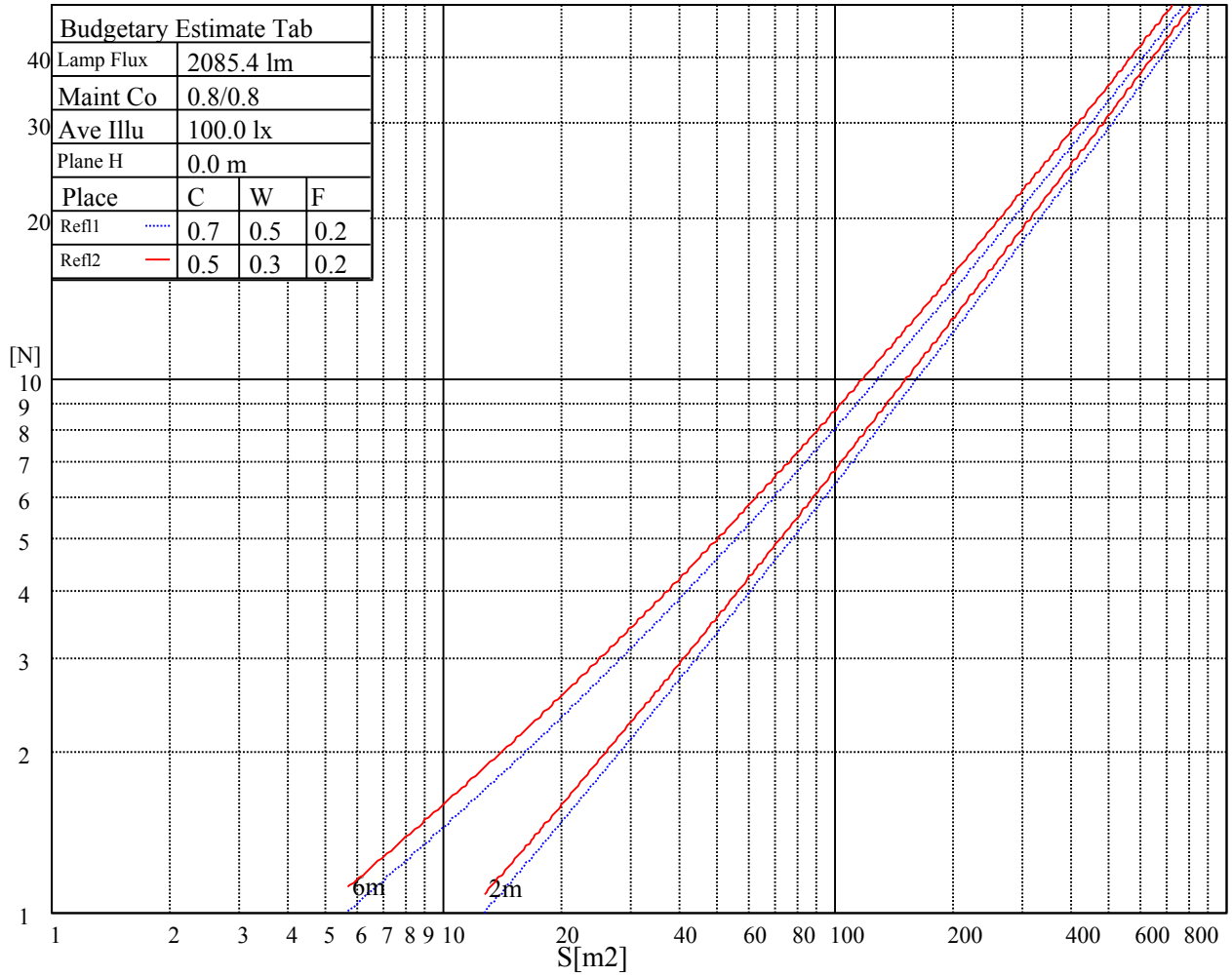
Luminance Limitting Curve



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

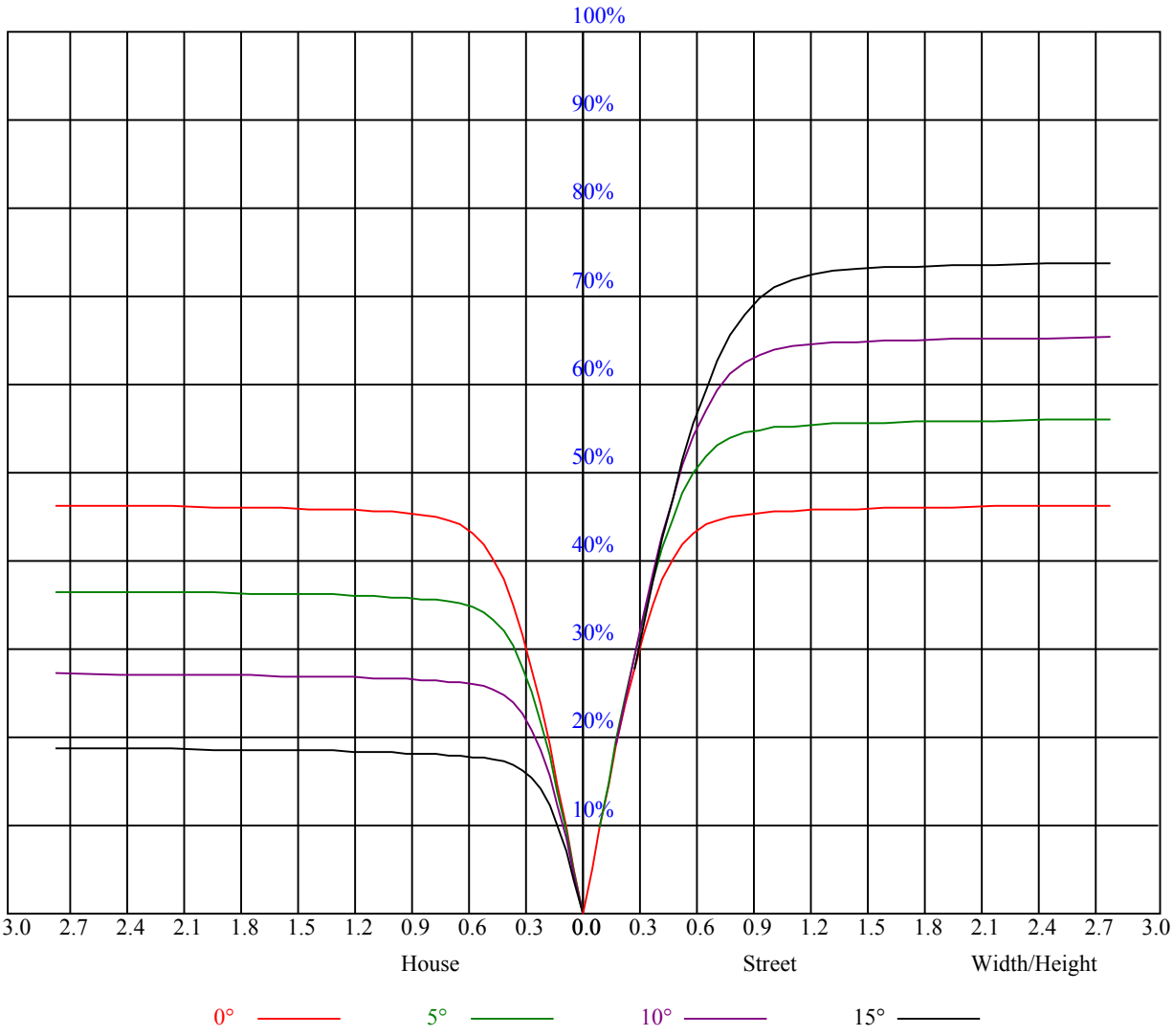


Equipment: GMS1980	Date: 2023/11/20	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.09	1.09	1.09	1.04	1.04	1.04	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	0.98	0.98	0.96	0.95	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	0.90	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.86	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	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	0.59	0.58
9	0.66	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.55
10	0.63	0.58	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	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/20	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	2749.41	2726.16	2730.59	2724.50	2704.58	2689.63	2663.06	2625.97	2587.78
45.0	2780.41	2767.13	2738.90	2728.38	2718.97	2701.81	2675.79	2651.99	2625.97
90.0	2777.09	2749.97	2744.99	2742.77	2726.16	2710.11	2691.85	2667.49	2634.83
135.0	2795.36	2777.64	2756.61	2759.93	2773.22	2761.59	2750.52	2726.72	2707.34
180.0	2749.41	2780.96	2763.81	2744.99	2751.63	2771.00	2775.98	2771.55	2762.70
225.0	2780.41	2760.48	2741.11	2749.41	2763.25	2762.70	2762.70	2759.93	2744.43
270.0	2777.09	2797.02	2776.54	2751.63	2757.16	2757.72	2746.09	2730.59	2715.65
315.0	2795.36	2777.09	2742.77	2744.43	2744.43	2732.81	2718.42	2694.61	2663.06
360.0	2749.41	2726.16	2730.59	2724.50	2704.58	2689.63	2663.06	2625.97	2587.78

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2551.80	2528.00	2500.32	2467.11	2422.27	2385.19	2335.92	2286.66	2233.52
45.0	2583.91	2551.80	2520.80	2474.31	2439.99	2405.67	2371.35	2325.40	2292.75
90.0	2598.85	2545.71	2510.84	2468.77	2419.51	2389.06	2357.51	2314.33	2267.84
135.0	2677.45	2638.15	2610.48	2588.89	2561.21	2521.91	2473.75	2415.08	2364.71
180.0	2744.43	2717.31	2689.08	2665.28	2649.22	2620.44	2592.76	2547.93	2482.06
225.0	2717.31	2689.08	2649.22	2622.10	2586.67	2546.82	2516.37	2474.86	2435.56
270.0	2694.06	2671.36	2641.47	2592.21	2560.10	2530.21	2483.16	2448.84	2413.97
315.0	2630.40	2598.30	2570.07	2544.05	2513.05	2463.79	2424.49	2385.74	2340.90
360.0	2551.80	2528.00	2500.32	2467.11	2422.27	2385.19	2335.92	2286.66	2233.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2170.97	2086.83	1969.48	1864.86	1708.77	1581.45	1449.16	1094.17	1094.17
45.0	2242.93	2190.90	2105.65	2022.07	1934.61	1807.85	1693.27	1537.72	1405.43
90.0	2214.70	2129.45	2052.51	1960.62	1858.22	1710.43	1579.79	1450.26	1086.87
135.0	2309.35	2241.27	2157.13	2072.44	1981.11	1878.15	1729.80	1593.63	1453.59
180.0	2430.02	2370.79	2299.39	2198.09	2111.19	2007.68	1903.61	1756.92	1624.63
225.0	2373.56	2309.35	2228.54	2132.77	2006.57	1896.41	1779.06	1619.65	1480.16
270.0	2364.71	2318.21	2247.36	2172.63	2089.04	1988.30	1856.56	1741.98	1617.99
315.0	2285.55	2216.36	2137.76	2025.39	1920.22	1773.53	1647.88	1523.33	1270.37
360.0	2170.97	2086.83	1969.48	1864.86	1708.77	1581.45	1449.16	1094.17	1094.17

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	983.19	844.92	719.87	586.03	488.77	409.06	338.32	267.08	218.98
45.0	1266.49	1125.34	952.08	823.66	704.65	594.50	477.15	396.89	325.48
90.0	1086.87	981.09	843.75	690.65	579.94	483.57	381.16	309.54	234.70
135.0	1269.26	1120.36	935.48	803.18	681.96	573.46	457.77	380.83	316.07
180.0	1460.23	1317.42	1168.51	976.44	838.61	709.63	600.03	481.02	401.87
225.0	1103.64	1103.64	990.28	850.07	689.04	577.01	482.02	397.05	307.21
270.0	1484.03	1304.68	1149.14	1000.24	853.55	693.03	580.66	483.24	378.07
315.0	1088.92	1052.83	909.40	774.73	628.48	525.80	441.11	366.33	288.39
360.0	983.19	844.92	719.87	586.03	488.77	409.06	338.32	267.08	218.98

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	180.78	142.09	118.40	99.30	80.71	69.41	58.01	51.09	45.39
45.0	292.82	292.82	160.14	130.58	103.23	87.18	72.24	63.32	55.96
90.0	189.70	153.50	125.60	99.58	83.75	71.68	62.44	53.58	47.83
135.0	286.73	286.73	163.63	135.67	113.59	92.44	78.71	68.20	57.29
180.0	333.78	290.61	290.61	173.92	143.97	119.95	96.87	82.59	68.25
225.0	249.53	201.27	155.43	127.26	105.39	88.23	72.18	62.66	55.08
270.0	308.32	292.27	225.79	154.77	127.92	101.85	85.96	73.84	64.60
315.0	235.09	191.91	150.45	125.43	100.52	84.64	71.96	61.89	52.14
360.0	180.78	142.09	118.40	99.30	80.71	69.41	58.01	51.09	45.39

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	40.91	36.37	33.49	31.11	29.01	26.85	25.41	24.13	23.03
45.0	48.71	43.84	39.69	36.31	32.82	30.39	28.40	26.74	24.91
90.0	43.07	39.08	35.04	32.27	29.50	27.62	26.02	24.36	23.19
135.0	50.59	45.17	40.02	36.59	33.10	30.83	28.84	27.18	25.35
180.0	59.17	51.98	44.95	40.57	37.14	34.15	31.11	29.06	27.29
225.0	47.44	42.68	38.80	34.82	32.16	29.95	27.62	26.02	24.63
270.0	55.30	49.32	44.28	40.08	35.92	33.16	30.78	28.34	26.68
315.0	46.22	41.57	37.75	33.88	31.33	29.23	27.40	25.46	24.13
360.0	40.91	36.37	33.49	31.11	29.01	26.85	25.41	24.13	23.03

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.75	20.92	19.93	19.26	18.65	17.88	17.38	16.88	16.44
45.0	23.69	22.64	21.42	20.54	19.76	18.88	18.21	17.49	16.94
90.0	22.14	21.26	20.20	19.48	18.82	18.27	17.66	17.05	16.55
135.0	24.08	23.03	22.03	20.92	20.15	19.43	18.76	17.99	17.44
180.0	25.41	24.08	22.97	22.03	20.92	20.15	19.43	18.65	18.10
225.0	23.47	22.14	21.26	20.43	19.54	18.88	18.21	17.55	17.05
270.0	24.85	23.64	22.53	21.59	20.48	19.76	19.04	18.38	17.66
315.0	22.69	21.70	20.81	19.87	19.15	18.49	17.77	17.21	16.77
360.0	21.75	20.92	19.93	19.26	18.65	17.88	17.38	16.88	16.44

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.89	15.50	15.11	14.72	14.28	13.95	13.67	13.28	12.95
45.0	16.50	16.00	15.55	15.11	14.72	14.34	14.00	13.56	13.28
90.0	16.00	15.61	15.22	14.72	14.34	14.00	13.56	13.28	12.95
135.0	16.83	16.38	16.00	15.50	15.11	14.72	14.34	13.89	13.51
180.0	17.38	16.94	16.44	16.05	15.50	15.11	14.72	14.39	13.95
225.0	16.61	16.00	15.55	15.17	14.78	14.34	13.95	13.62	13.34
270.0	17.16	16.66	16.11	15.67	15.28	14.78	14.39	14.00	13.67
315.0	16.33	15.78	15.39	14.95	14.61	14.23	13.89	13.56	13.17
360.0	15.89	15.50	15.11	14.72	14.28	13.95	13.67	13.28	12.95

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.57	12.23	11.96	11.62	11.24	10.96	10.68	10.41	10.02
45.0	12.95	12.51	12.23	11.85	11.57	11.24	10.96	10.57	10.30
90.0	12.51	12.23	11.90	11.57	11.29	10.90	10.63	10.35	9.96
135.0	13.23	12.90	12.45	12.12	11.79	11.40	11.07	10.74	10.41
180.0	13.62	13.28	12.95	12.51	12.18	11.73	11.46	11.13	10.74
225.0	12.90	12.57	12.29	11.85	11.57	11.18	10.90	10.63	10.35
270.0	13.34	13.01	12.62	12.34	12.01	11.68	11.29	10.96	10.68
315.0	12.84	12.45	12.18	11.85	11.57	11.18	10.90	10.63	10.35
360.0	12.57	12.23	11.96	11.62	11.24	10.96	10.68	10.41	10.02

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.85	9.58	9.30	9.13	8.91	8.75	8.58	8.41	8.30
45.0	10.02	9.74	9.52	9.24	8.97	8.86	8.64	8.47	8.36
90.0	9.80	9.52	9.24	9.02	8.86	8.69	8.52	8.36	8.25
135.0	10.13	9.85	9.63	9.35	9.08	8.91	8.75	8.58	8.36
180.0	10.46	10.13	9.91	9.69	9.35	9.13	8.97	8.80	8.58
225.0	10.02	9.74	9.58	9.24	9.02	8.80	8.69	8.52	8.36
270.0	10.35	10.19	9.85	9.69	9.30	9.02	8.86	8.64	8.47
315.0	10.02	9.80	9.58	9.30	9.08	8.86	8.69	8.58	8.36
360.0	9.85	9.58	9.30	9.13	8.91	8.75	8.58	8.41	8.30

Intensity data(cd)

C/γ(°)	90.0
0.0	8.30
45.0	8.25
90.0	8.25
135.0	8.36
180.0	8.36
225.0	8.30
270.0	8.30
315.0	8.25
360.0	8.30