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NT

Client:
LumCAT: 1-1383-L
Luminaire: 92.70.427.00
Report No: 20231120-B005
Ballast type: AC

Test No: 20231120-C005	Voltage(V): 36.520
LampCAT: P2121-018-1203-P3090-1	Current(A): 0.399
Lamp flux(lm): 2085.4	Power (W): 14.571
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1962.62, Efficiency(%): 94.11% , Luminous Efficacy(lm/W): 134.69
Central intensity(cd): 4191.790, Maximum intensity(cd): 4191.790
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=39.6
[C90/270]Total=39.6
Field angle(10%Imax): [C0/180]Total=63.4
[C90/270]Total=63.4
Beam angle of C0 plane : 39.69
Aveage BeamAngle(IEC 61341):39.69
Maximum s/h(1/2): C0_180=0.65 C90_270=0.65
Maximum s/h(1/4): C0_180=0.62 C90_270=0.62
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.11%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.029%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4191.790	0.000	0	0.00%	0.00%
1.0	4186.324	4.009	4.009	0.19%	0.20%
2.0	4170.617	11.995	16.003	0.58%	0.82%
3.0	4142.525	19.882	35.886	0.95%	1.83%
4.0	4092.568	27.565	63.451	1.32%	3.23%
5.0	4029.673	34.941	98.393	1.68%	5.01%
6.0	3961.796	41.997	140.39	2.01%	7.15%
7.0	3887.276	48.719	189.109	2.34%	9.64%
8.0	3804.799	55.051	244.16	2.64%	12.44%
9.0	3720.523	60.989	305.148	2.92%	15.55%
10.0	3626.491	66.488	371.636	3.19%	18.94%
11.0	3521.458	71.423	443.059	3.42%	22.57%
12.0	3402.447	75.688	518.747	3.63%	26.43%
13.0	3271.190	79.199	597.946	3.80%	30.47%
14.0	3126.717	81.893	679.839	3.93%	34.64%
15.0	2970.620	83.707	763.546	4.01%	38.90%
16.0	2796.464	84.504	848.05	4.05%	43.21%
17.0	2620.716	84.360	932.41	4.05%	47.51%
18.0	2442.893	83.488	1015.898	4.00%	51.76%
19.0	2254.206	81.720	1097.618	3.92%	55.93%
20.0	2067.388	79.097	1176.715	3.79%	59.96%
21.0	1883.545	75.866	1252.581	3.64%	63.82%
22.0	1709.112	72.196	1324.777	3.46%	67.50%
23.0	1508.815	67.521	1392.297	3.24%	70.94%
24.0	1319.637	61.840	1454.138	2.97%	74.09%
25.0	1198.253	57.251	1511.389	2.75%	77.01%
26.0	1091.490	54.050	1565.439	2.59%	79.76%
27.0	953.369	50.028	1615.466	2.40%	82.31%
28.0	826.595	45.065	1660.531	2.16%	84.61%
29.0	694.826	39.805	1700.336	1.91%	86.64%
30.0	581.455	34.459	1734.795	1.65%	88.39%
31.0	477.674	29.474	1764.269	1.41%	89.89%
32.0	388.714	24.821	1789.09	1.19%	91.16%
33.0	302.431	20.361	1809.452	0.98%	92.20%
34.0	242.276	16.484	1825.936	0.79%	93.04%
35.0	202.096	13.801	1839.737	0.66%	93.74%
36.0	147.697	11.137	1850.874	0.53%	94.31%
37.0	102.190	8.150	1859.024	0.39%	94.72%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	83.971	6.214	1865.238	0.30%	95.04%
39.0	71.821	5.318	1870.556	0.25%	95.31%
40.0	62.840	4.697	1875.252	0.23%	95.55%
41.0	55.520	4.215	1879.467	0.20%	95.76%
42.0	49.694	3.823	1883.289	0.18%	95.96%
43.0	44.511	3.490	1886.779	0.17%	96.14%
44.0	40.131	3.195	1889.974	0.15%	96.30%
45.0	36.513	2.946	1892.919	0.14%	96.45%
46.0	33.385	2.734	1895.653	0.13%	96.59%
47.0	30.977	2.560	1898.213	0.12%	96.72%
48.0	28.922	2.421	1900.634	0.12%	96.84%
49.0	27.275	2.308	1902.942	0.11%	96.96%
50.0	25.774	2.212	1905.154	0.11%	97.07%
51.0	24.452	2.125	1907.279	0.10%	97.18%
52.0	23.380	2.053	1909.331	0.10%	97.28%
53.0	22.397	1.991	1911.323	0.10%	97.39%
54.0	21.456	1.933	1913.255	0.09%	97.48%
55.0	20.675	1.881	1915.136	0.09%	97.58%
56.0	19.934	1.835	1916.971	0.09%	97.67%
57.0	19.311	1.794	1918.765	0.09%	97.77%
58.0	18.696	1.758	1920.523	0.08%	97.85%
59.0	18.128	1.722	1922.245	0.08%	97.94%
60.0	17.582	1.687	1923.932	0.08%	98.03%
61.0	17.111	1.656	1925.587	0.08%	98.11%
62.0	16.641	1.626	1927.214	0.08%	98.20%
63.0	16.239	1.599	1928.813	0.08%	98.28%
64.0	15.824	1.573	1930.386	0.08%	98.36%
65.0	15.464	1.548	1931.935	0.07%	98.44%
66.0	15.098	1.525	1933.459	0.07%	98.51%
67.0	14.731	1.500	1934.959	0.07%	98.59%
68.0	14.385	1.475	1936.434	0.07%	98.67%
69.0	14.032	1.450	1937.884	0.07%	98.74%
70.0	13.665	1.422	1939.306	0.07%	98.81%
71.0	13.368	1.397	1940.704	0.07%	98.88%
72.0	13.050	1.374	1942.077	0.07%	98.95%
73.0	12.745	1.349	1943.426	0.06%	99.02%
74.0	12.448	1.324	1944.751	0.06%	99.09%
75.0	12.150	1.300	1946.05	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.860	1.275	1947.325	0.06%	99.22%
77.0	11.576	1.249	1948.574	0.06%	99.28%
78.0	11.327	1.226	1949.8	0.06%	99.35%
79.0	11.015	1.200	1951.001	0.06%	99.41%
80.0	10.746	1.173	1952.174	0.06%	99.47%
81.0	10.483	1.148	1953.322	0.06%	99.53%
82.0	10.240	1.124	1954.446	0.05%	99.58%
83.0	9.977	1.099	1955.545	0.05%	99.64%
84.0	9.756	1.075	1956.62	0.05%	99.69%
85.0	9.542	1.053	1957.673	0.05%	99.75%
86.0	9.327	1.031	1958.704	0.05%	99.80%
87.0	9.133	1.010	1959.715	0.05%	99.85%
88.0	8.912	0.988	1960.703	0.05%	99.90%
89.0	8.725	0.967	1961.67	0.05%	99.95%
90.0	8.635	0.952	1962.622	0.05%	100.00%

Zonal flux distribution table

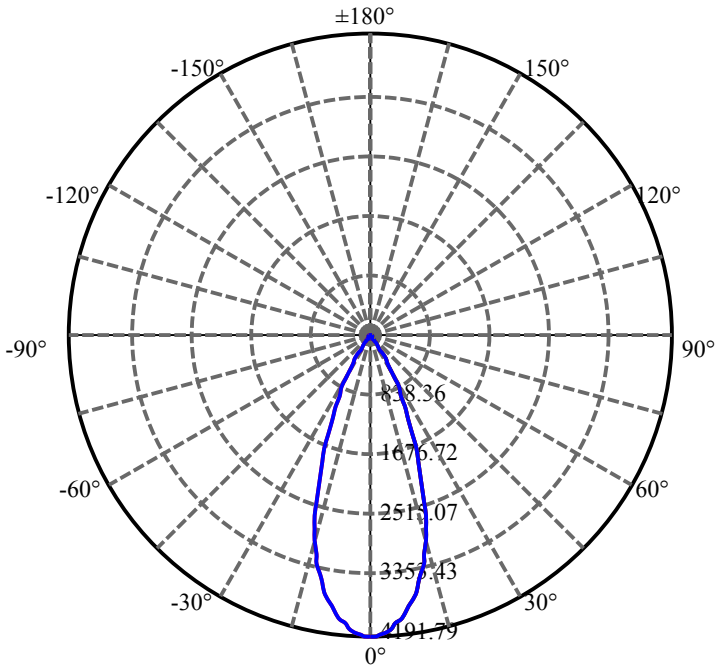
ZONAL LUMEN SUMMARY

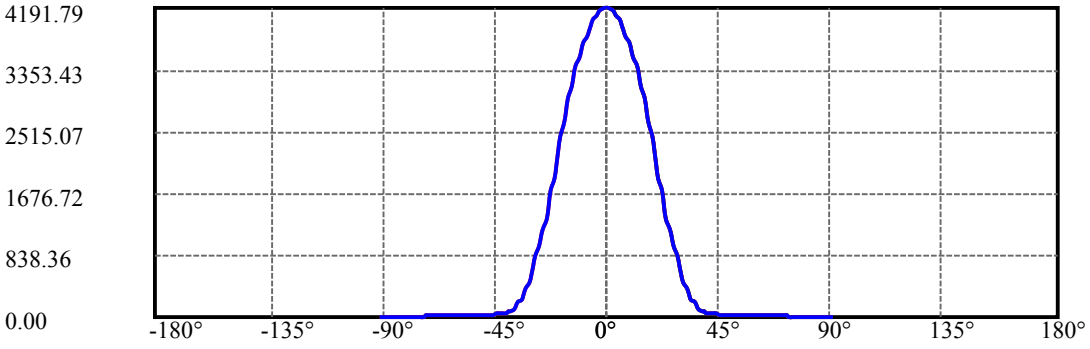
Zone	Lumens	%Lamp	%Fixt
0-30	1734.80	83.19%	88.39%
0-40	1875.25	89.93%	95.55%
0-60	1923.93	92.26%	98.03%
0-90	1961.67	94.07%	99.95%
0-120	1961.67	94.07%	99.95%
0-180	1962.62	94.11%	100.00%
60-90	37.74	1.81%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.09	1570.10	75.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	371.64
10-20	805.08
20-30	558.08
30-40	140.46
40-50	29.90
50-60	18.78
60-70	15.37
70-80	12.87
80-90	9.50
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):

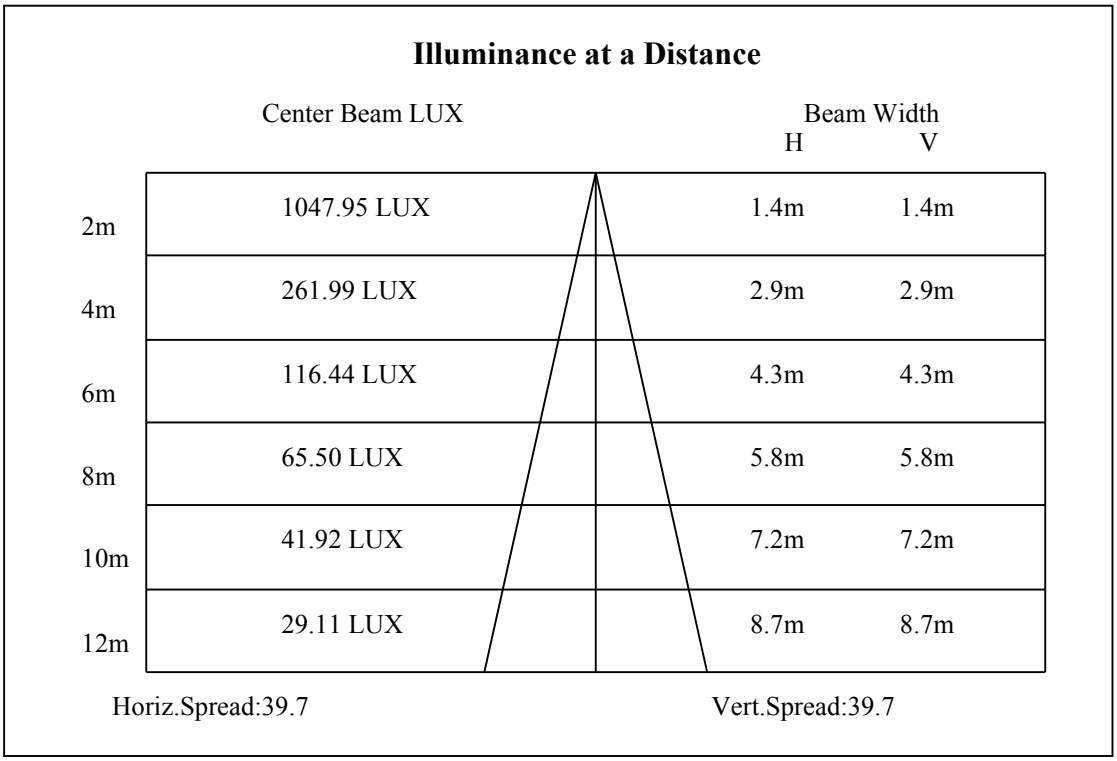
C0/C180:

C90/C270:

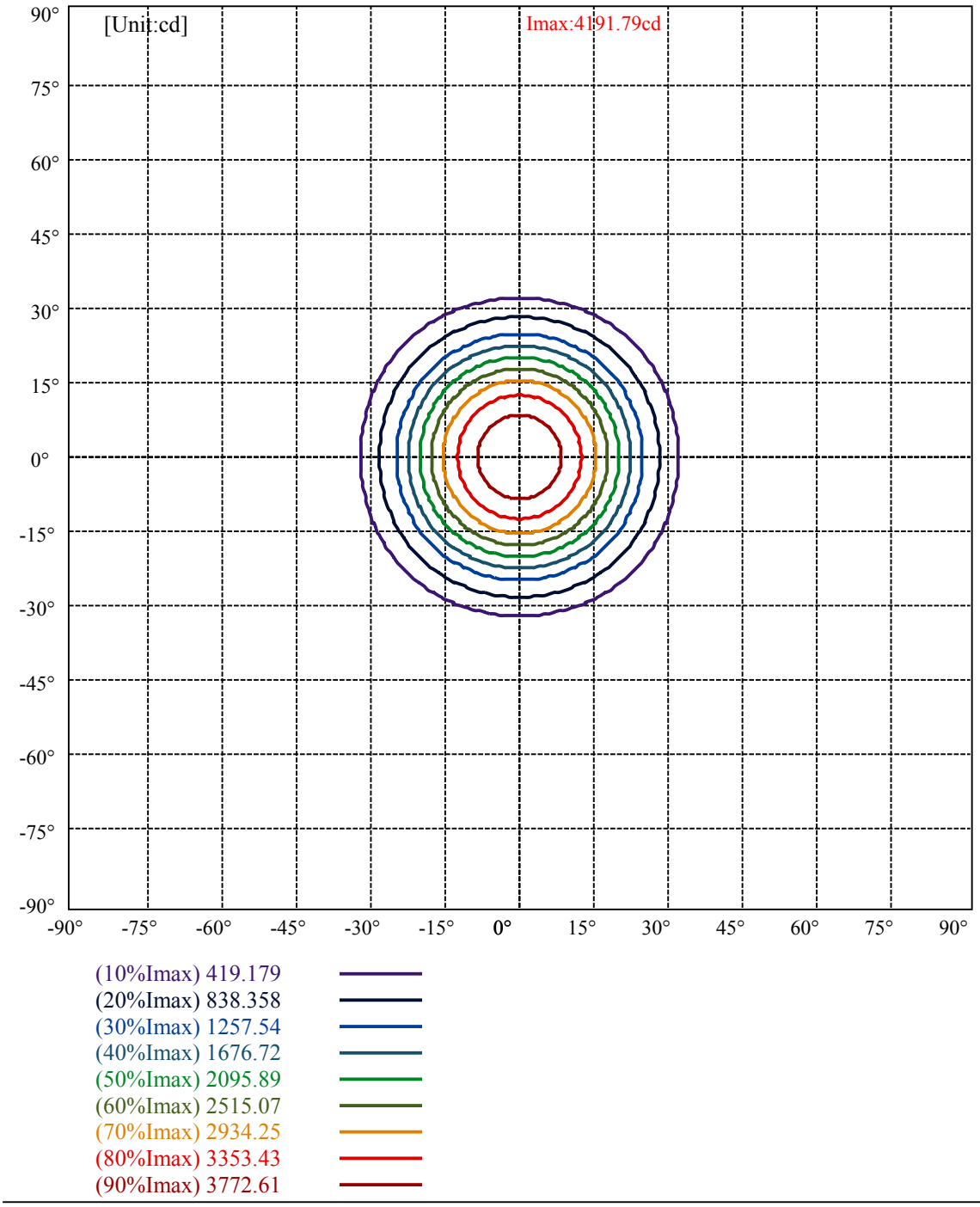
Field angle(10%Imax):C0/180Left:31.7 Right:31.7
:C90/270Left:31.7 Right:31.7

Beam Angle(50%Imax):C0/180Left:19.8 Right:19.8
:C90/270Left:19.8 Right:19.8

Lux distance Curve



ISO-Intensity(V-H)

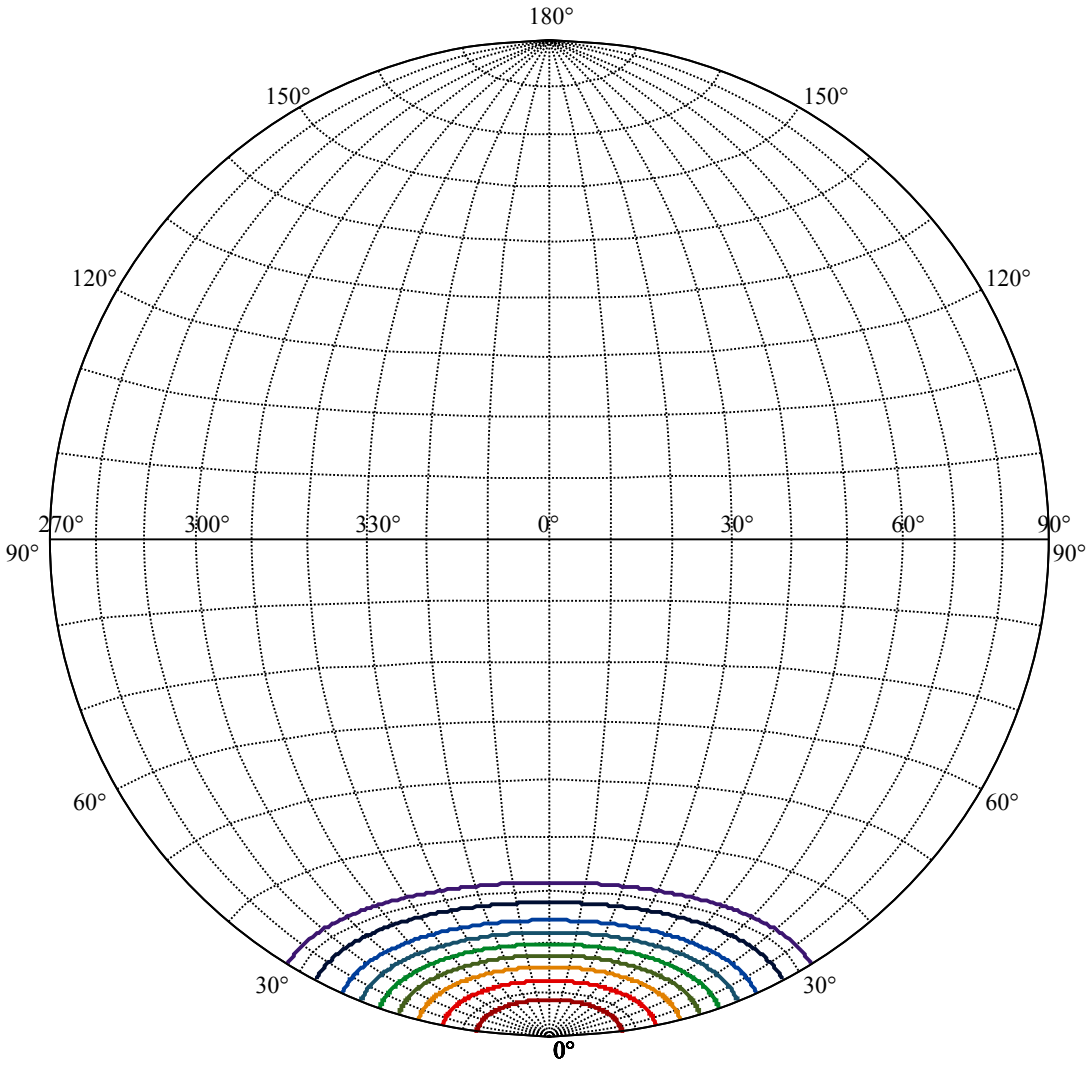


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

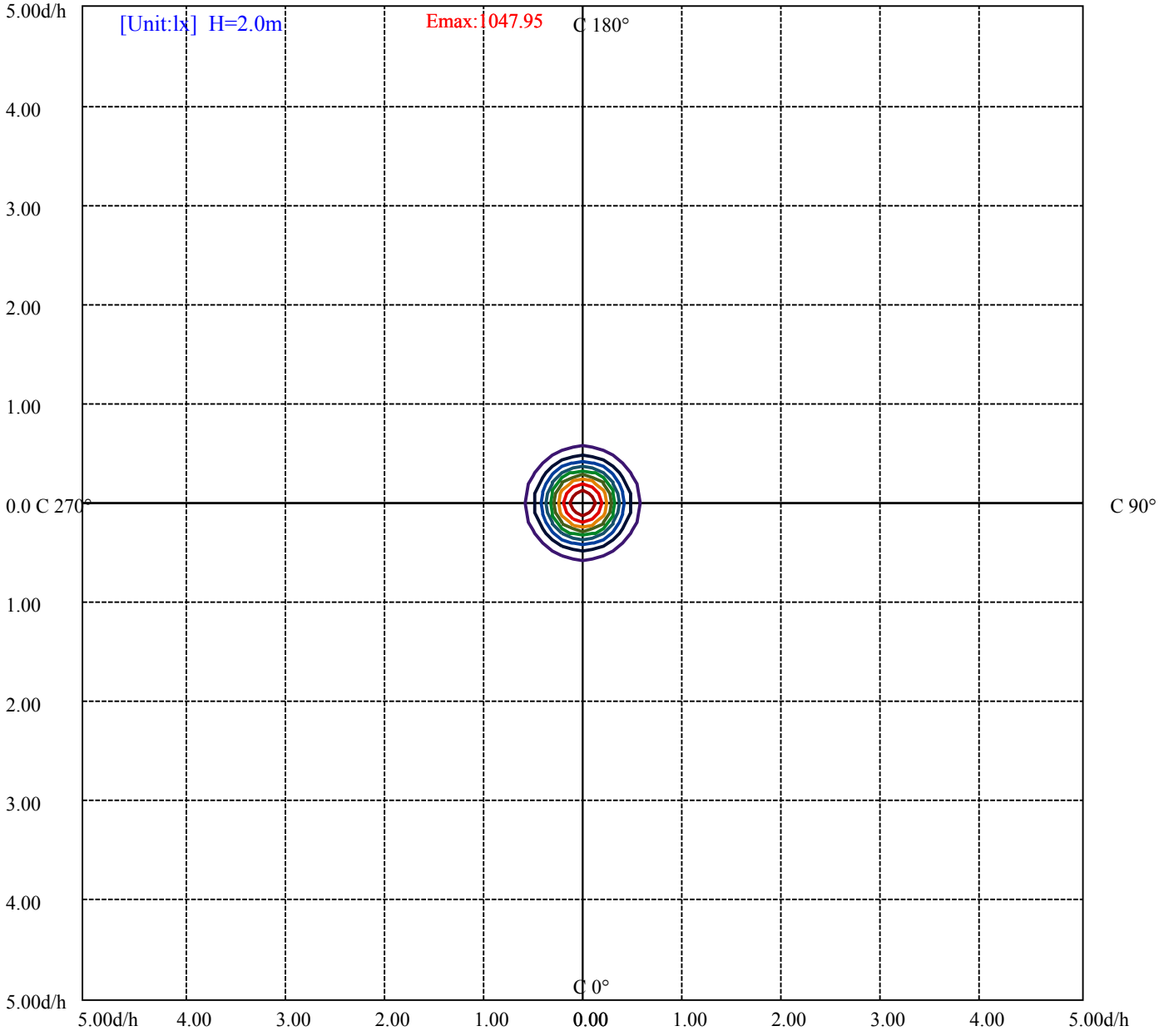
Imax:4191.79

(10%Imax) 419.179
(20%Imax) 838.358
(30%Imax) 1257.54
(40%Imax) 1676.72
(50%Imax) 2095.89
(60%Imax) 2515.07
(70%Imax) 2934.25
(80%Imax) 3353.43
(90%Imax) 3772.61

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

NT 1-1383-L

ISO illuminance diagram

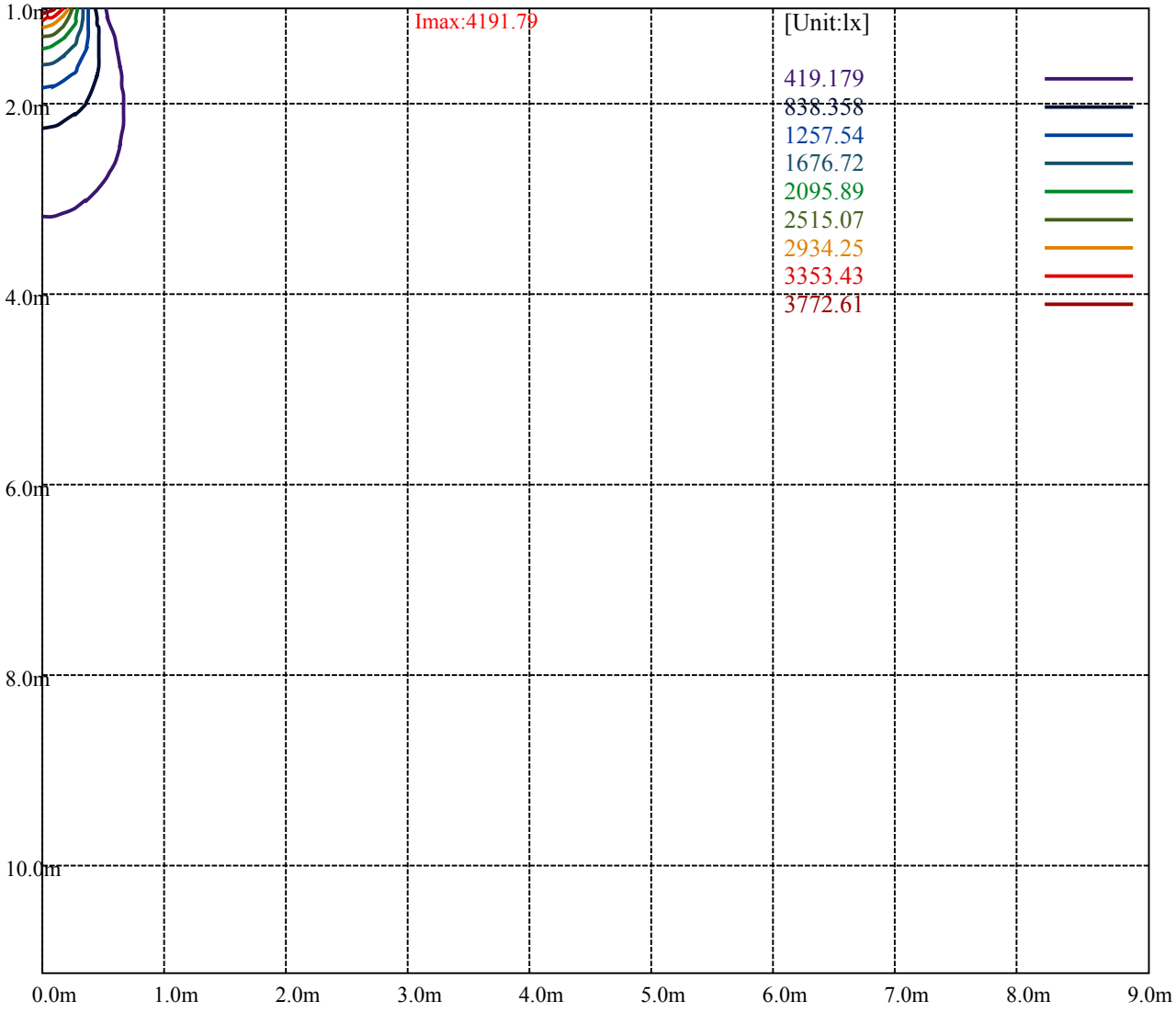


Equipment: GMS1980
Temperature(°C): 0.0

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

Luminance Limitting Curve(no luminous side)

Luminance Table

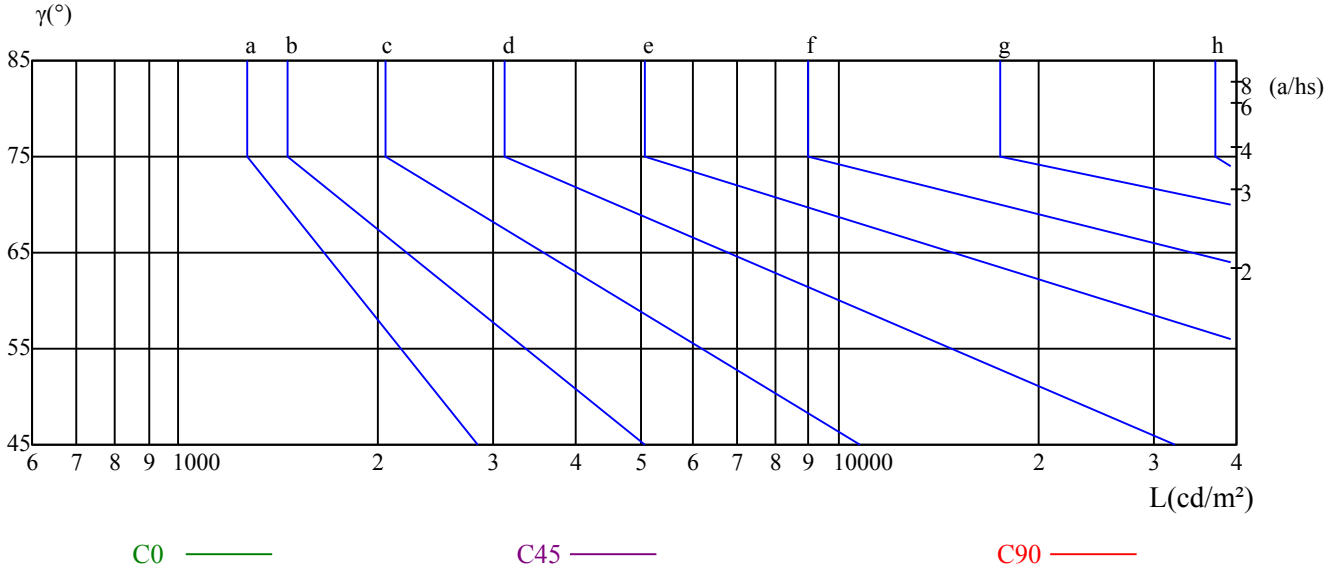
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

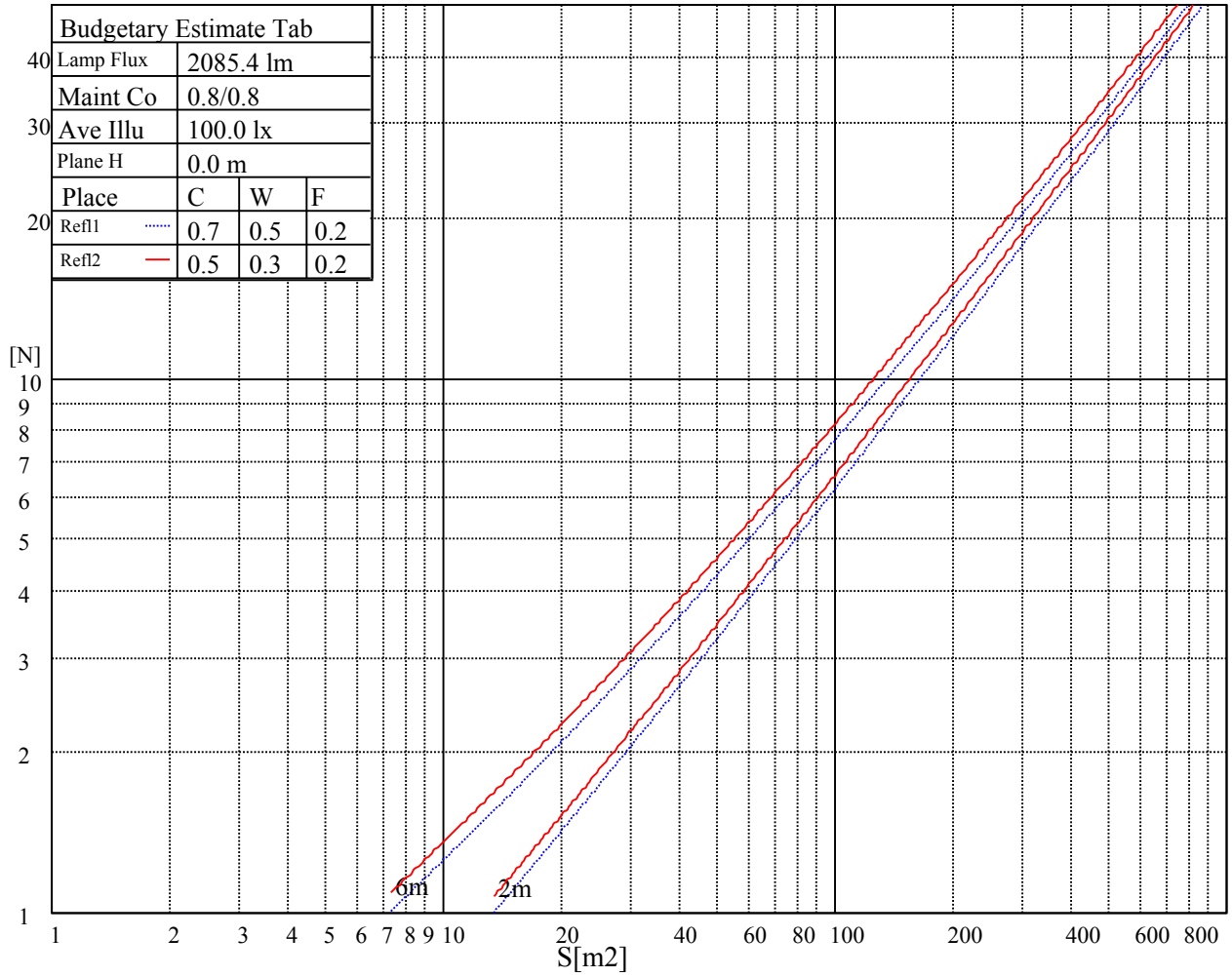
Luminance Limitting Curve



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

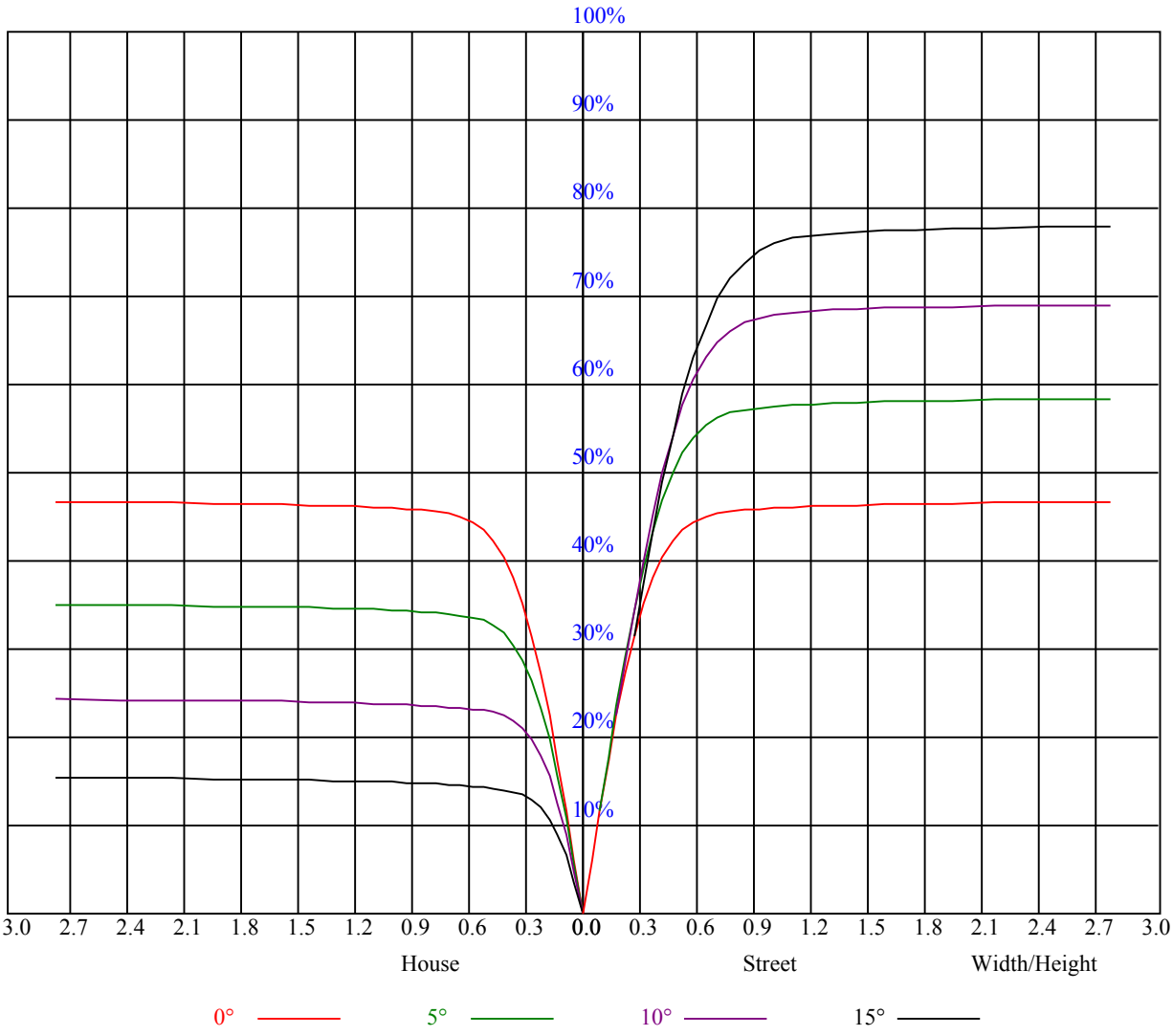


Equipment: GMS1980	Date: 2023/11/20	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.12	1.12	1.12	1.09	1.09	1.09	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	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
8	0.73	0.68	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
9	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58

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	4174.77	4158.72	4113.33	4043.58	3987.67	3896.89	3831.02	3746.89	3661.09
45.0	4184.18	4179.20	4165.36	4148.20	4093.95	4040.81	3982.69	3914.05	3805.01
90.0	4201.34	4193.59	4163.14	4111.11	4052.44	3989.33	3912.39	3840.99	3756.30
135.0	4206.87	4212.96	4215.73	4183.07	4120.52	4061.85	4015.35	3938.96	3862.57
180.0	4174.77	4179.75	4181.96	4190.82	4167.02	4112.77	4051.33	3989.89	3923.46
225.0	4184.18	4168.68	4163.70	4147.65	4093.95	4029.19	3962.21	3874.20	3787.29
270.0	4201.34	4206.32	4187.50	4167.57	4138.79	4095.06	4013.14	3938.41	3859.25
315.0	4206.87	4191.37	4174.21	4148.20	4086.20	4011.48	3926.23	3854.82	3783.42
360.0	4174.77	4158.72	4113.33	4043.58	3987.67	3896.89	3831.02	3746.89	3661.09

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3553.70	3454.06	3336.16	3200.55	3007.91	2855.14	2682.99	2462.13	2290.53
45.0	3731.39	3647.80	3532.11	3432.48	3287.45	3166.23	3022.86	2866.76	2665.83
90.0	3650.02	3548.72	3409.23	3285.79	3154.60	2974.70	2814.73	2648.12	2490.36
135.0	3782.87	3697.62	3604.63	3466.24	3335.61	3185.60	2987.43	2813.62	2597.74
180.0	3859.81	3786.19	3698.73	3590.23	3495.58	3383.77	3222.69	3080.98	2920.46
225.0	3710.35	3594.11	3504.99	3414.21	3307.38	3163.46	3023.41	2877.83	2714.54
270.0	3777.88	3700.94	3612.93	3476.21	3358.30	3240.95	3116.96	2935.95	2771.55
315.0	3698.17	3582.48	3472.88	3353.87	3222.69	3043.89	2893.89	2686.31	2514.71
360.0	3553.70	3454.06	3336.16	3200.55	3007.91	2855.14	2682.99	2462.13	2290.53

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2126.69	1920.77	1751.94	1601.93	1429.78	1071.20	1071.20	1038.49	873.31
45.0	2500.32	2326.51	2157.13	1945.13	1771.87	1610.79	1414.28	1267.04	1127.55
90.0	2320.42	2097.35	1921.32	1752.49	1588.65	1397.68	1093.51	1093.51	959.11
135.0	2421.72	2241.27	2019.30	1847.70	1682.20	1529.42	1355.61	1228.30	1110.95
180.0	2709.56	2534.64	2345.33	2132.22	1957.86	1774.64	1604.15	1423.69	1288.08
225.0	2506.41	2330.94	2149.93	1921.32	1747.51	1543.26	1389.93	1082.61	1082.61
270.0	2612.69	2452.16	2239.61	2078.53	1864.31	1693.82	1534.96	1358.93	1229.40
315.0	2345.33	2130.01	1954.54	1789.03	1630.72	1449.71	1093.46	1093.46	1060.91
360.0	2126.69	1920.77	1751.94	1601.93	1429.78	1071.20	1071.20	1038.49	873.31

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	755.02	645.48	544.18	429.32	349.23	276.44	197.28	146.30	113.86
45.0	944.89	812.04	659.81	551.88	458.88	372.53	280.64	280.64	201.49
90.0	826.04	706.09	568.15	470.89	363.17	286.23	220.53	166.39	119.51
135.0	982.53	830.86	714.61	613.32	499.84	417.37	337.66	283.96	283.96
180.0	1162.98	1037.33	877.91	754.47	647.08	522.54	432.87	336.55	282.30
225.0	952.30	825.27	705.98	571.97	475.10	387.20	309.59	223.68	167.17
270.0	1098.22	970.35	815.36	694.13	582.32	482.68	368.65	290.05	290.05
315.0	904.98	785.36	672.60	565.66	445.76	364.72	272.23	210.62	158.42
360.0	755.02	645.48	544.18	429.32	349.23	276.44	197.28	146.30	113.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	92.44	80.43	70.52	61.39	55.46	50.26	45.72	40.57	37.31
45.0	121.45	93.88	79.76	69.25	61.22	53.53	48.43	44.17	39.36
90.0	96.87	81.76	70.91	61.00	54.86	49.43	44.73	39.69	36.37
135.0	136.67	100.80	84.75	73.51	63.16	56.85	51.37	46.50	42.12
180.0	282.30	146.63	106.67	88.34	75.67	65.87	56.85	50.87	45.61
225.0	125.21	98.81	79.54	68.25	59.84	51.81	46.33	40.68	36.92
270.0	209.68	115.97	93.71	77.83	67.59	58.23	52.03	46.55	41.85
315.0	116.96	99.25	85.91	75.00	64.93	58.18	52.09	47.05	41.52
360.0	92.44	80.43	70.52	61.39	55.46	50.26	45.72	40.57	37.31

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	34.60	31.72	29.89	28.23	26.40	25.19	24.13	22.97	22.09
45.0	36.04	32.82	30.72	28.95	27.40	25.68	24.47	23.53	22.64
90.0	33.05	30.89	29.12	27.23	25.85	24.69	23.64	22.58	21.70
135.0	37.64	34.82	32.33	29.84	28.12	26.57	24.96	23.91	23.03
180.0	41.18	36.59	33.71	30.72	28.84	27.29	25.52	24.30	23.25
225.0	33.82	31.33	28.67	27.01	25.63	24.41	23.03	22.14	21.31
270.0	37.86	33.82	31.33	29.23	27.51	25.79	24.52	23.41	22.25
315.0	37.92	35.09	32.05	30.17	28.45	26.57	25.35	24.19	22.92
360.0	34.60	31.72	29.89	28.23	26.40	25.19	24.13	22.97	22.09

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.26	20.37	19.71	19.10	18.54	17.88	17.38	16.88	16.50
45.0	21.59	20.87	20.15	19.60	18.88	18.32	17.66	17.16	16.72
90.0	20.92	20.26	19.48	18.93	18.38	17.77	17.21	16.83	16.33
135.0	21.92	21.09	20.37	19.60	18.99	18.38	17.88	17.21	16.72
180.0	22.09	21.31	20.54	19.87	19.15	18.60	18.10	17.66	17.10
225.0	20.43	19.71	19.10	18.49	18.05	17.55	16.99	16.61	16.22
270.0	21.42	20.65	19.87	19.26	18.60	18.10	17.66	17.21	16.72
315.0	22.03	21.15	20.26	19.65	18.99	18.43	17.77	17.33	16.83
360.0	21.26	20.37	19.71	19.10	18.54	17.88	17.38	16.88	16.50

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.05	15.72	15.33	14.89	14.50	14.12	13.78	13.45	13.17
45.0	16.22	15.89	15.50	15.22	14.78	14.45	14.06	13.73	13.34
90.0	15.94	15.50	15.17	14.78	14.45	14.06	13.67	13.34	13.12
135.0	16.33	15.83	15.50	15.11	14.72	14.39	14.06	13.62	13.34
180.0	16.72	16.27	15.83	15.50	15.11	14.78	14.45	14.12	13.73
225.0	15.89	15.50	15.17	14.89	14.61	14.23	13.89	13.51	13.23
270.0	16.33	15.94	15.61	15.22	14.89	14.61	14.28	13.84	13.56
315.0	16.44	15.94	15.61	15.17	14.78	14.45	14.06	13.73	13.45
360.0	16.05	15.72	15.33	14.89	14.50	14.12	13.78	13.45	13.17

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.84	12.51	12.18	11.96	11.57	11.29	11.02	10.68	10.41
45.0	13.06	12.79	12.45	12.18	11.90	11.57	11.35	10.96	10.68
90.0	12.79	12.45	12.18	11.85	11.62	11.35	11.02	10.79	10.52
135.0	13.06	12.73	12.40	12.12	11.90	11.62	11.35	11.07	10.79
180.0	13.40	13.12	12.84	12.51	12.23	11.90	11.68	11.35	11.13
225.0	12.95	12.62	12.40	12.07	11.73	11.57	11.35	11.07	10.74
270.0	13.17	12.95	12.68	12.34	12.07	11.79	11.57	11.24	11.02
315.0	13.12	12.79	12.45	12.18	11.85	11.51	11.29	10.96	10.68
360.0	12.84	12.51	12.18	11.96	11.57	11.29	11.02	10.68	10.41

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.24	9.96	9.74	9.52	9.30	9.13	8.97	8.58	8.64
45.0	10.46	10.19	9.91	9.80	9.52	9.30	9.13	8.91	8.58
90.0	10.30	10.02	9.80	9.58	9.35	9.19	8.97	8.75	8.52
135.0	10.46	10.24	9.91	9.69	9.52	9.30	9.13	8.91	8.69
180.0	10.74	10.52	10.24	10.07	9.80	9.58	9.35	9.19	8.97
225.0	10.52	10.30	10.02	9.80	9.63	9.41	9.19	9.02	8.80
270.0	10.74	10.46	10.30	9.91	9.69	9.47	9.24	9.02	9.02
315.0	10.41	10.24	9.91	9.69	9.52	9.24	9.08	8.91	8.58
360.0	10.24	9.96	9.74	9.52	9.30	9.13	8.97	8.58	8.64

Intensity data(cd)

C/γ(°)	90.0
0.0	8.91
45.0	8.64
90.0	8.58
135.0	8.52
180.0	8.75
225.0	8.58
270.0	8.52
315.0	8.58
360.0	8.91