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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2639-L
Luminaire: 92.70.412.00
Report No: 20231117-B007
Ballast type: AC

Test No: 20231117-C007	Voltage(V): 35.840
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.700
Lamp flux(lm): 3111.0	Power (W): 25.088
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2909.18, Efficiency(%): 93.51% , Luminous Efficacy(lm/W): 115.96
Central intensity(cd): 10515.380, Maximum intensity(cd): 10515.380
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.0
[C90/270]Total=23.0
Field angle(10%Imax): [C0/180]Total=57.6
[C90/270]Total=57.6
Beam angle of C0 plane : 22.92
Aveage BeamAngle(IEC 61341):22.92
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.51%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.950%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10515.385	0.000	0	0.00%	0.00%
1.0	10462.384	10.037	10.037	0.32%	0.35%
2.0	10306.702	29.810	39.847	0.96%	1.37%
3.0	10010.076	48.591	88.438	1.56%	3.04%
4.0	9563.580	65.519	153.958	2.11%	5.29%
5.0	9076.745	80.190	234.147	2.58%	8.05%
6.0	8513.245	92.440	326.587	2.97%	11.23%
7.0	7907.539	101.924	428.511	3.28%	14.73%
8.0	7254.158	108.509	537.02	3.49%	18.46%
9.0	6661.460	112.779	649.799	3.63%	22.34%
10.0	6076.234	115.271	765.07	3.71%	26.30%
11.0	5491.492	115.585	880.656	3.72%	30.27%
12.0	4984.453	114.517	995.173	3.68%	34.21%
13.0	4527.302	112.881	1108.053	3.63%	38.09%
14.0	4067.452	110.012	1218.065	3.54%	41.87%
15.0	3689.940	106.497	1324.562	3.42%	45.53%
16.0	3334.708	102.931	1427.493	3.31%	49.07%
17.0	3007.984	98.773	1526.266	3.17%	52.46%
18.0	2722.567	94.484	1620.75	3.04%	55.71%
19.0	2475.344	90.433	1711.183	2.91%	58.82%
20.0	2260.641	86.682	1797.865	2.79%	61.80%
21.0	2068.702	83.132	1880.997	2.67%	64.66%
22.0	1900.981	79.772	1960.769	2.56%	67.40%
23.0	1755.816	76.729	2037.499	2.47%	70.04%
24.0	1624.974	73.916	2111.415	2.38%	72.58%
25.0	1484.445	70.701	2182.117	2.27%	75.01%
26.0	1360.045	67.145	2249.261	2.16%	77.32%
27.0	1244.183	63.713	2312.974	2.05%	79.51%
28.0	1128.784	60.078	2373.053	1.93%	81.57%
29.0	1032.891	56.556	2429.608	1.82%	83.52%
30.0	923.118	52.812	2482.42	1.70%	85.33%
31.0	805.990	48.119	2530.538	1.55%	86.98%
32.0	705.419	43.300	2573.839	1.39%	88.47%
33.0	597.715	38.391	2612.229	1.23%	89.79%
34.0	504.984	33.371	2645.6	1.07%	90.94%
35.0	424.195	28.857	2674.457	0.93%	91.93%
36.0	347.185	24.561	2699.018	0.79%	92.78%
37.0	287.500	20.700	2719.718	0.67%	93.49%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	237.841	17.535	2737.253	0.56%	94.09%
39.0	188.071	14.538	2751.791	0.47%	94.59%
40.0	155.329	11.977	2763.767	0.38%	95.00%
41.0	111.441	9.500	2773.267	0.31%	95.33%
42.0	91.126	7.360	2780.626	0.24%	95.58%
43.0	75.724	6.181	2786.807	0.20%	95.79%
44.0	64.978	5.310	2792.117	0.17%	95.98%
45.0	57.478	4.706	2796.824	0.15%	96.14%
46.0	51.894	4.277	2801.101	0.14%	96.29%
47.0	47.556	3.955	2805.056	0.13%	96.42%
48.0	44.456	3.720	2808.776	0.12%	96.55%
49.0	42.166	3.557	2812.333	0.11%	96.67%
50.0	40.118	3.431	2815.764	0.11%	96.79%
51.0	38.741	3.336	2819.1	0.11%	96.90%
52.0	37.765	3.283	2822.383	0.11%	97.02%
53.0	37.239	3.263	2825.646	0.10%	97.13%
54.0	37.045	3.274	2828.92	0.11%	97.24%
55.0	37.170	3.313	2832.233	0.11%	97.36%
56.0	37.467	3.373	2835.605	0.11%	97.47%
57.0	37.751	3.439	2839.044	0.11%	97.59%
58.0	37.800	3.494	2842.538	0.11%	97.71%
59.0	37.419	3.517	2846.055	0.11%	97.83%
60.0	36.374	3.486	2849.541	0.11%	97.95%
61.0	34.561	3.385	2852.926	0.11%	98.07%
62.0	32.333	3.223	2856.149	0.10%	98.18%
63.0	29.856	3.025	2859.174	0.10%	98.28%
64.0	27.455	2.812	2861.986	0.09%	98.38%
65.0	25.573	2.624	2864.611	0.08%	98.47%
66.0	24.037	2.475	2867.086	0.08%	98.55%
67.0	22.695	2.350	2869.436	0.08%	98.63%
68.0	21.706	2.249	2871.685	0.07%	98.71%
69.0	20.882	2.173	2873.858	0.07%	98.79%
70.0	20.149	2.107	2875.965	0.07%	98.86%
71.0	19.471	2.048	2878.013	0.07%	98.93%
72.0	18.841	1.992	2880.005	0.06%	99.00%
73.0	18.287	1.942	2881.946	0.06%	99.06%
74.0	17.803	1.897	2883.844	0.06%	99.13%
75.0	17.326	1.856	2885.7	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.904	1.817	2887.517	0.06%	99.26%
77.0	16.502	1.781	2889.298	0.06%	99.32%
78.0	16.108	1.746	2891.043	0.06%	99.38%
79.0	15.714	1.710	2892.753	0.05%	99.44%
80.0	15.291	1.672	2894.425	0.05%	99.49%
81.0	14.918	1.634	2896.058	0.05%	99.55%
82.0	14.510	1.596	2897.654	0.05%	99.60%
83.0	14.108	1.556	2899.21	0.05%	99.66%
84.0	13.735	1.517	2900.727	0.05%	99.71%
85.0	13.409	1.481	2902.208	0.05%	99.76%
86.0	13.091	1.449	2903.657	0.05%	99.81%
87.0	12.835	1.419	2905.076	0.05%	99.86%
88.0	12.545	1.390	2906.466	0.04%	99.91%
89.0	12.337	1.364	2907.83	0.04%	99.95%
90.0	12.212	1.346	2909.176	0.04%	100.00%

Zonal flux distribution table

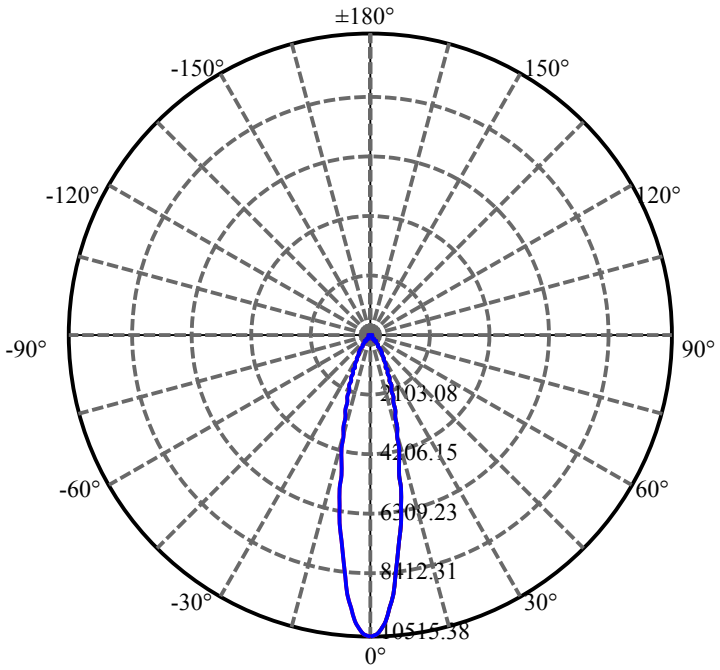
ZONAL LUMEN SUMMARY

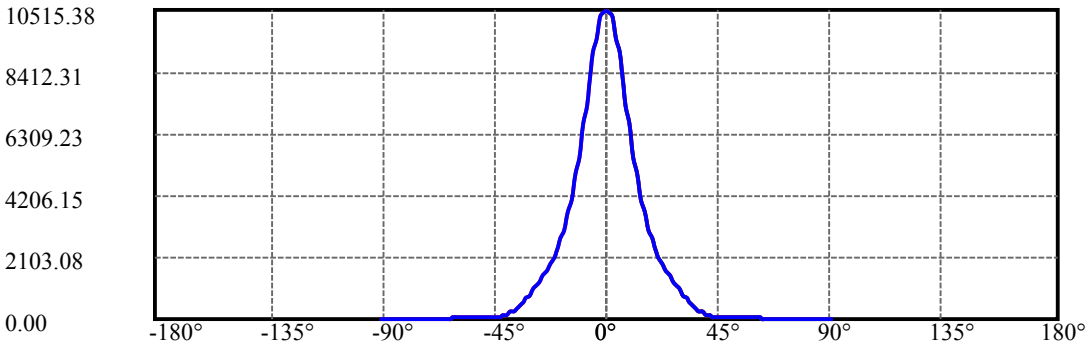
Zone	Lumens	%Lamp	%Fixt
0-30	2482.42	79.80%	85.33%
0-40	2763.77	88.84%	95.00%
0-60	2849.54	91.60%	97.95%
0-90	2907.83	93.47%	99.95%
0-120	2907.83	93.47%	99.95%
0-180	2909.18	93.51%	100.00%
60-90	58.29	1.87%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.24	2327.34	74.81%	80.00%

ZONAL LUMEN SUMMARY

0-10	765.07
10-20	1032.79
20-30	684.56
30-40	281.35
40-50	52.00
50-60	33.78
60-70	26.42
70-80	18.46
80-90	13.40
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):

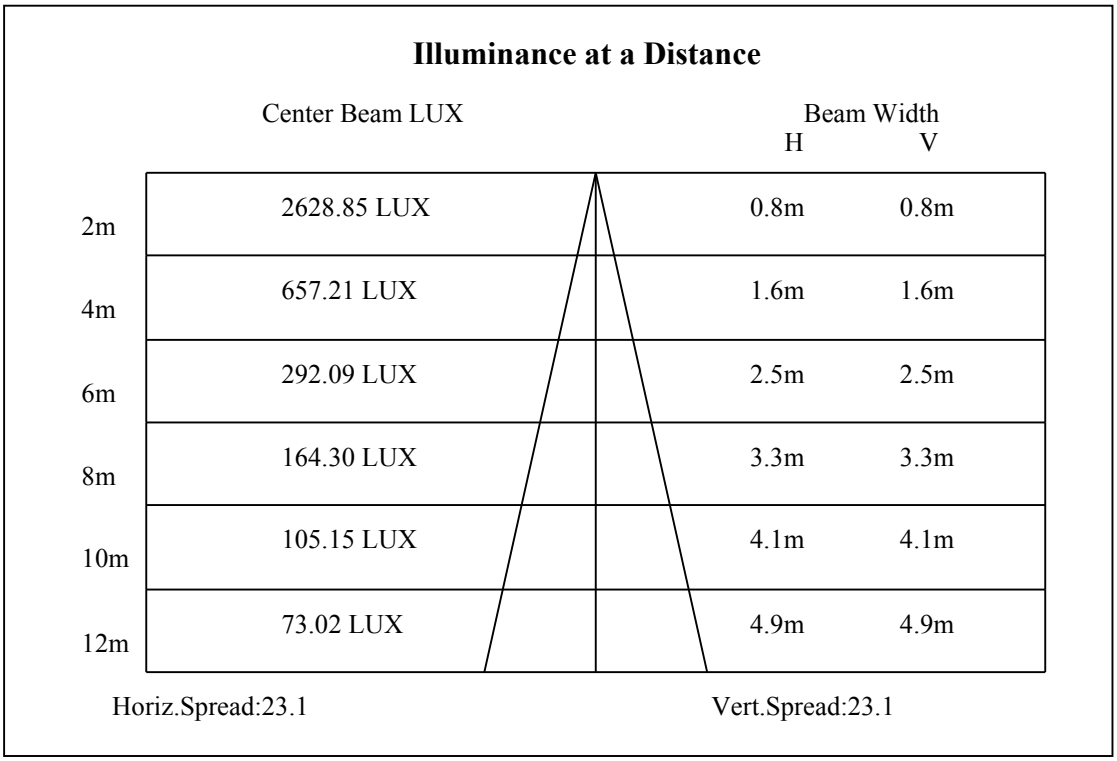
C0/C180:

C90/C270:

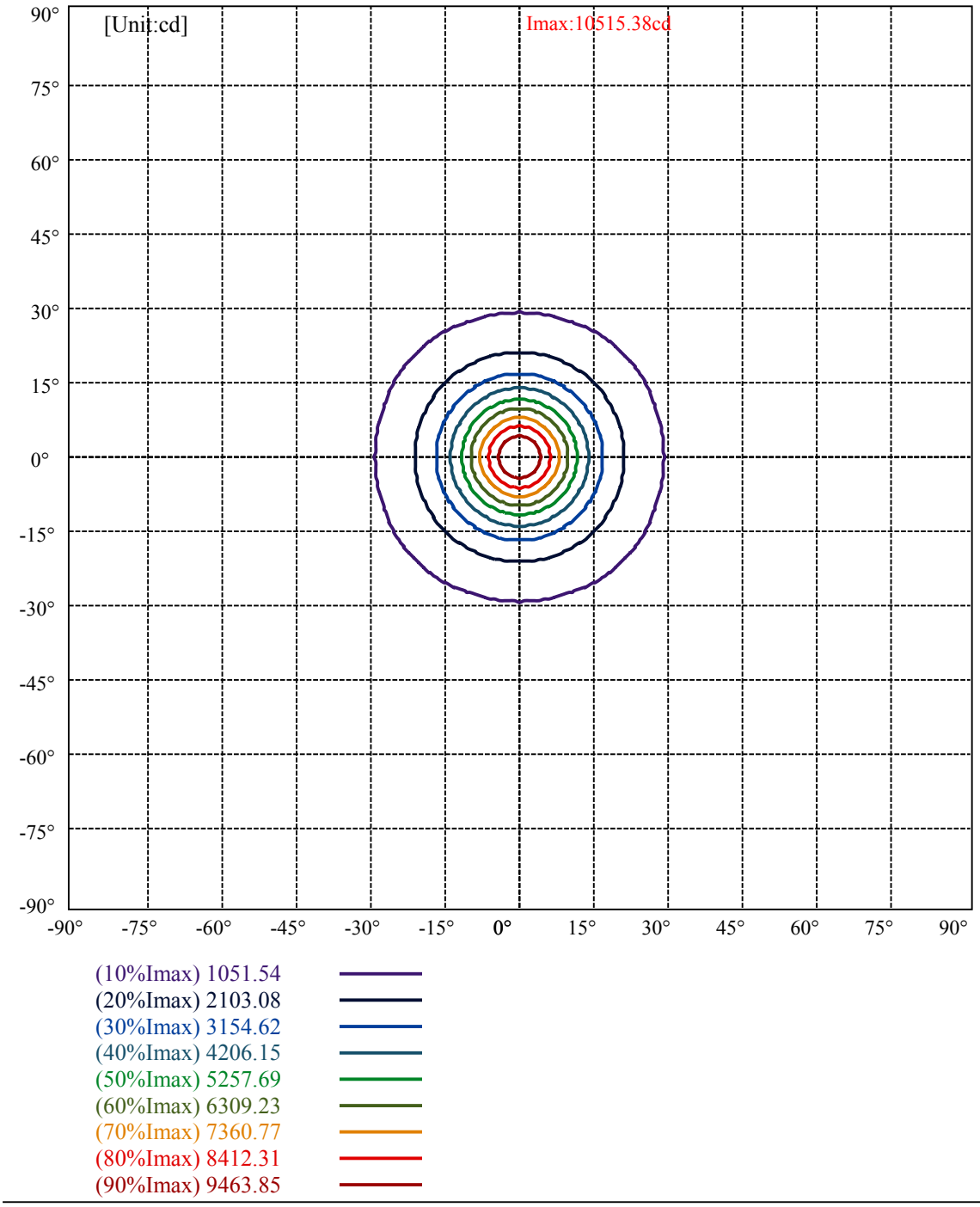
Field angle(10%Imax):C0/180Left:28.8 Right:28.8
:C90/270Left:28.8 Right:28.8

Beam Angle(50%Imax):C0/180Left:11.5 Right:11.5
:C90/270Left:11.5 Right:11.5

Lux distance Curve



ISO-Intensity(V-H)

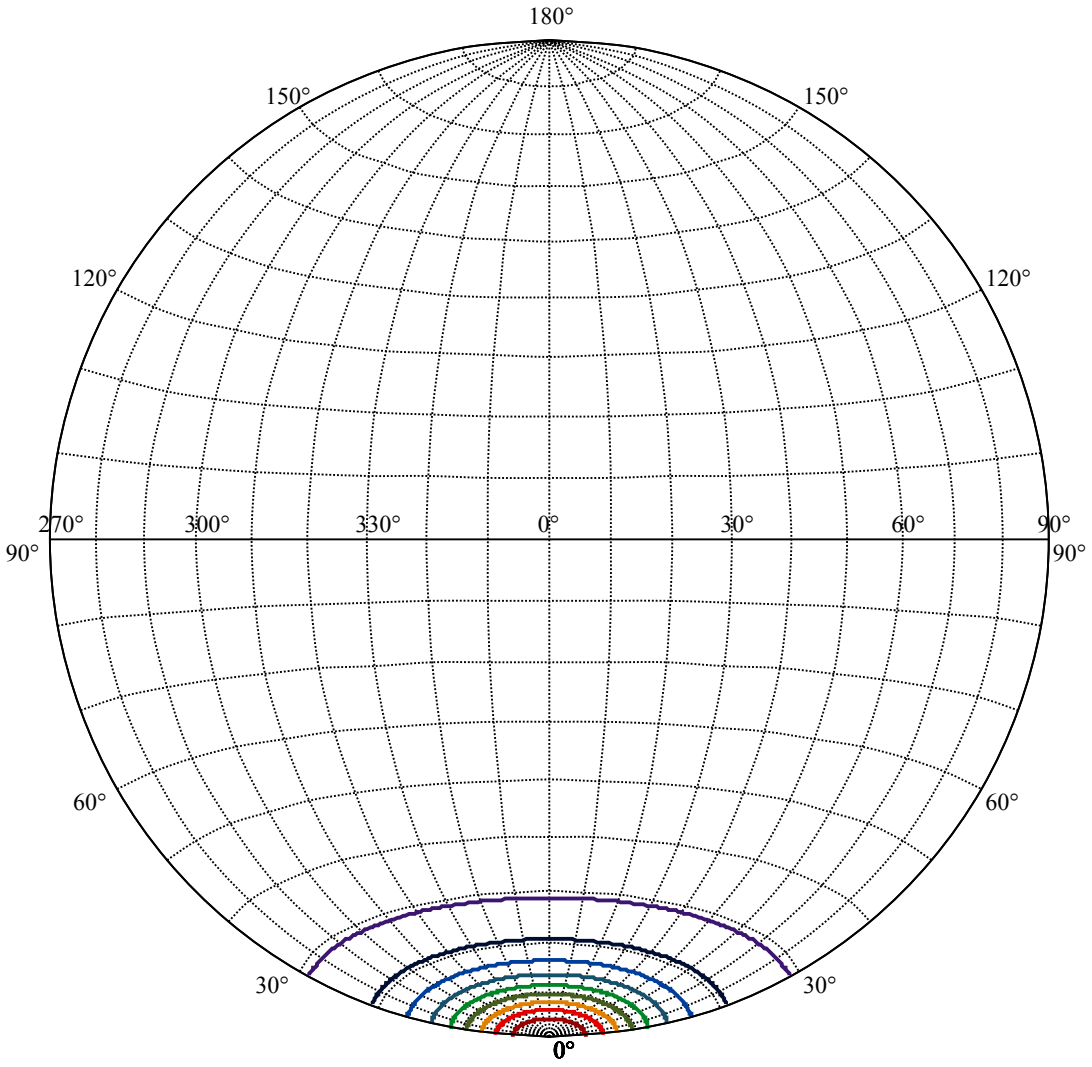


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:10515.38

(10%Imax) 1051.54
(20%Imax) 2103.08
(30%Imax) 3154.62
(40%Imax) 4206.15
(50%Imax) 5257.69
(60%Imax) 6309.23
(70%Imax) 7360.77
(80%Imax) 8412.31
(90%Imax) 9463.85

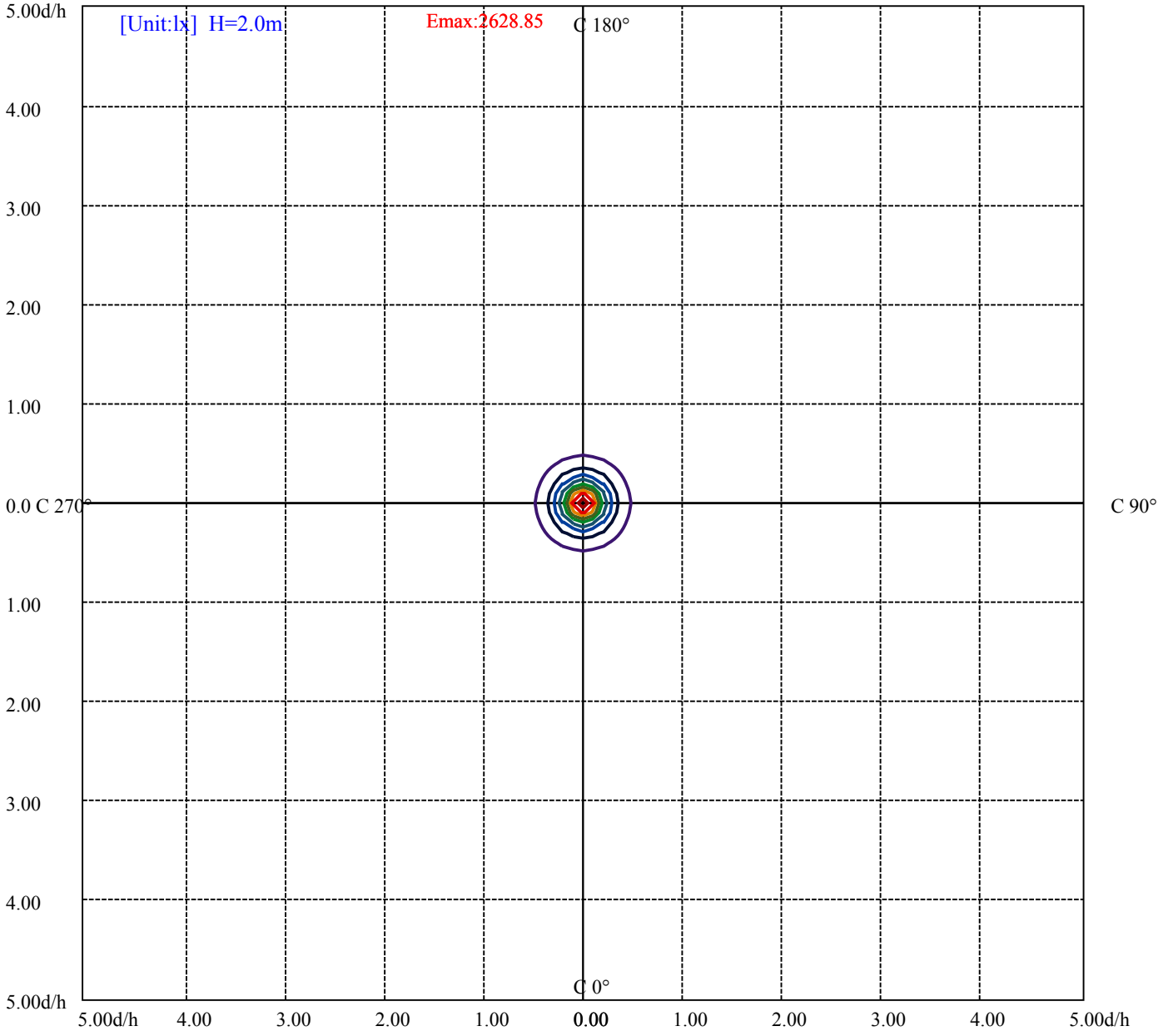
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2639-L

ISO illuminance diagram



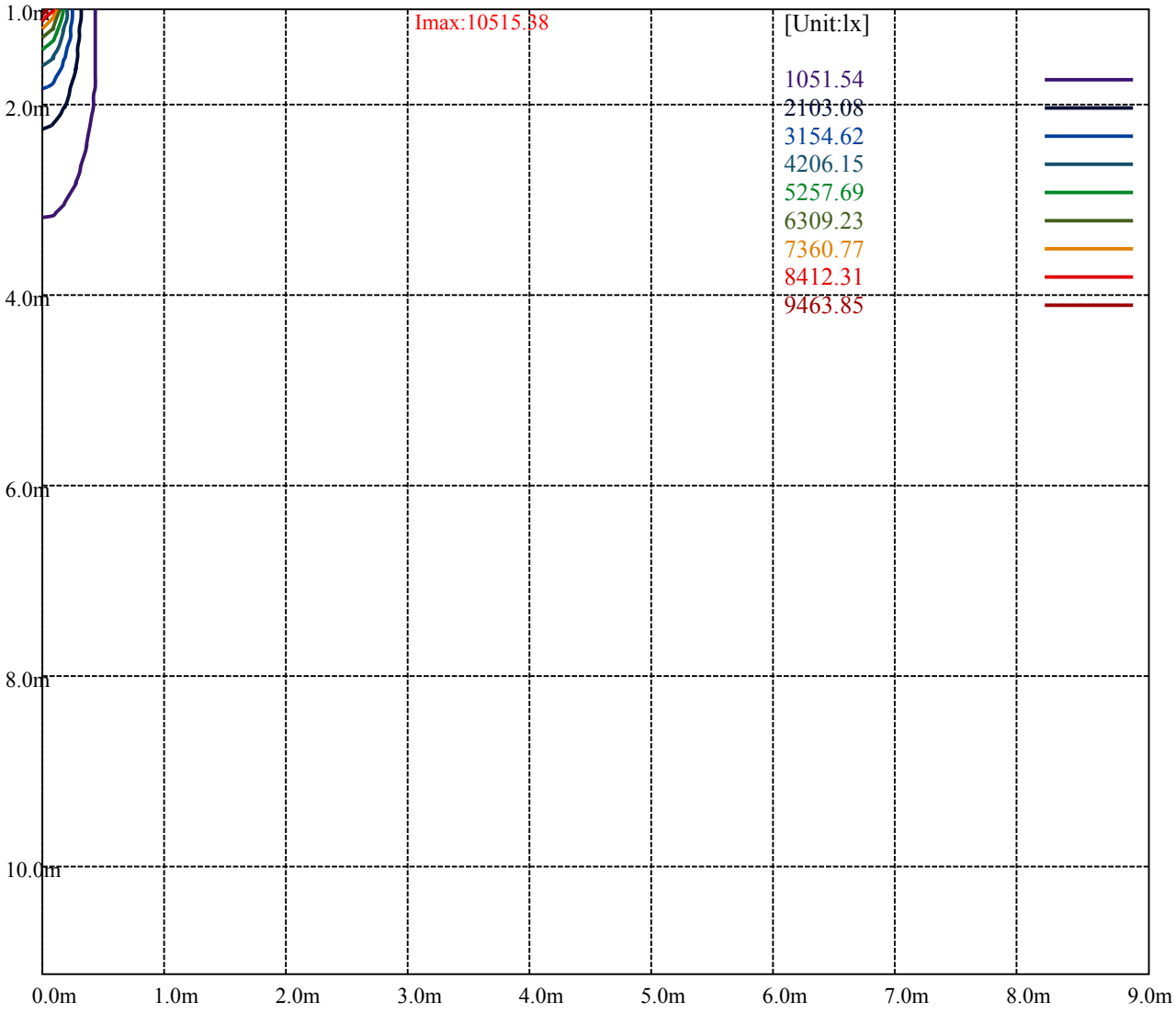
(10%Emax) 262.885
(20%Emax) 525.77
(30%Emax) 788.6525
(40%Emax) 1051.537
(50%Emax) 1314.422
(60%Emax) 1577.307
(70%Emax) 1840.19
(80%Emax) 2103.075
(90%Emax) 2365.96

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

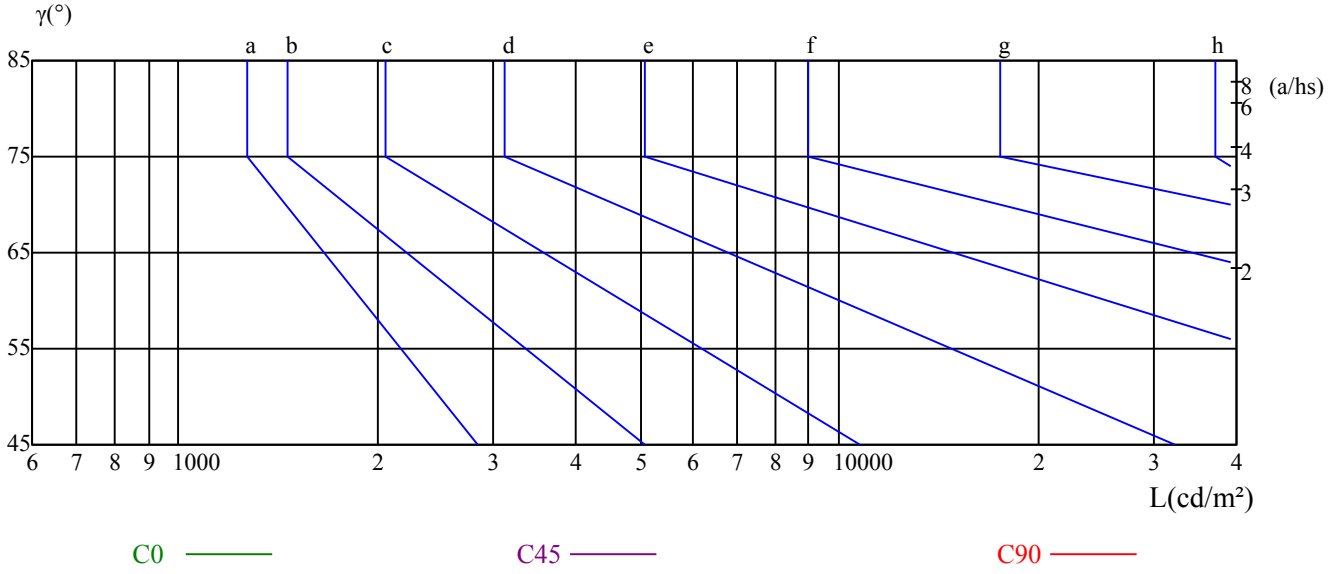
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

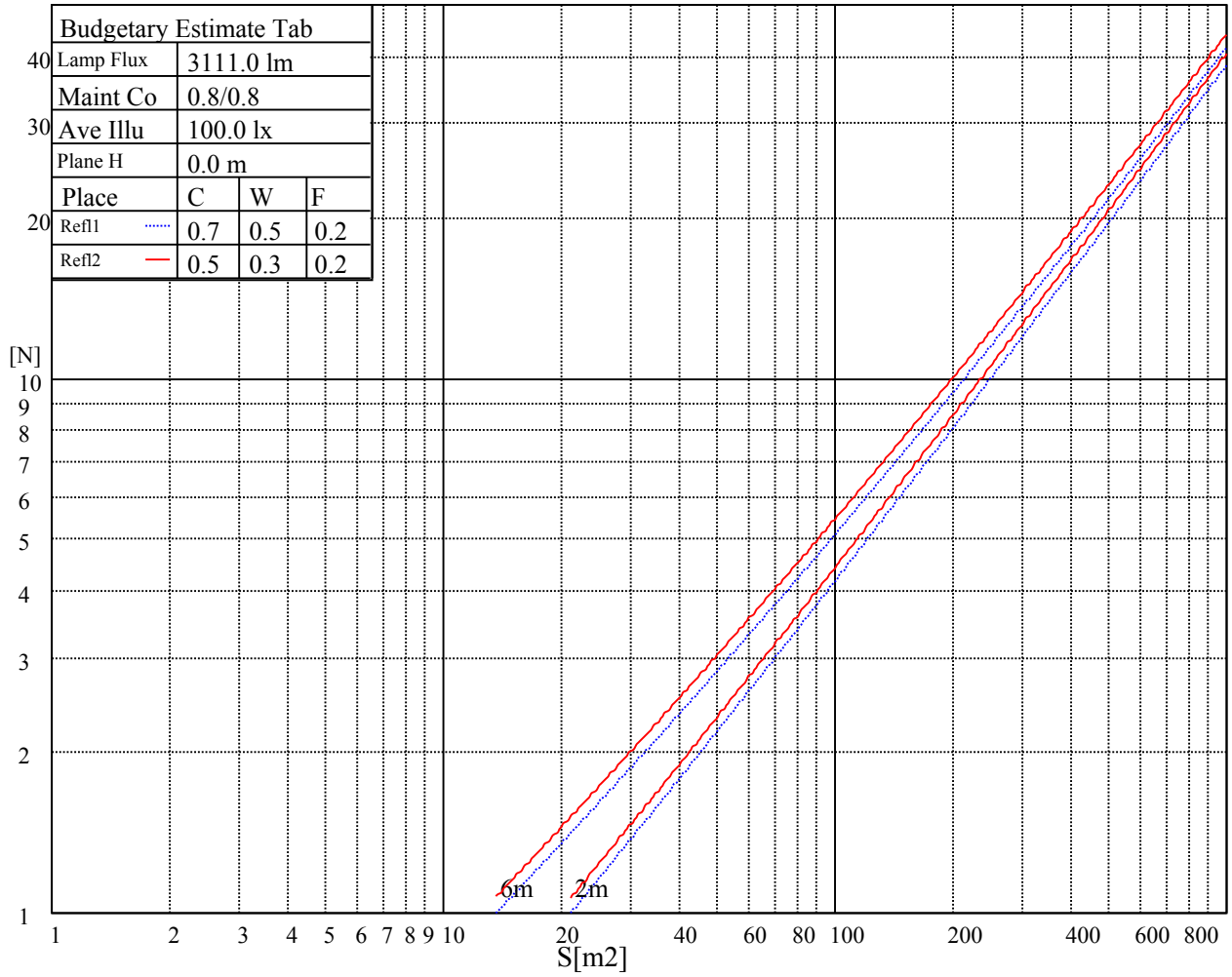
Luminance Limitting Curve



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

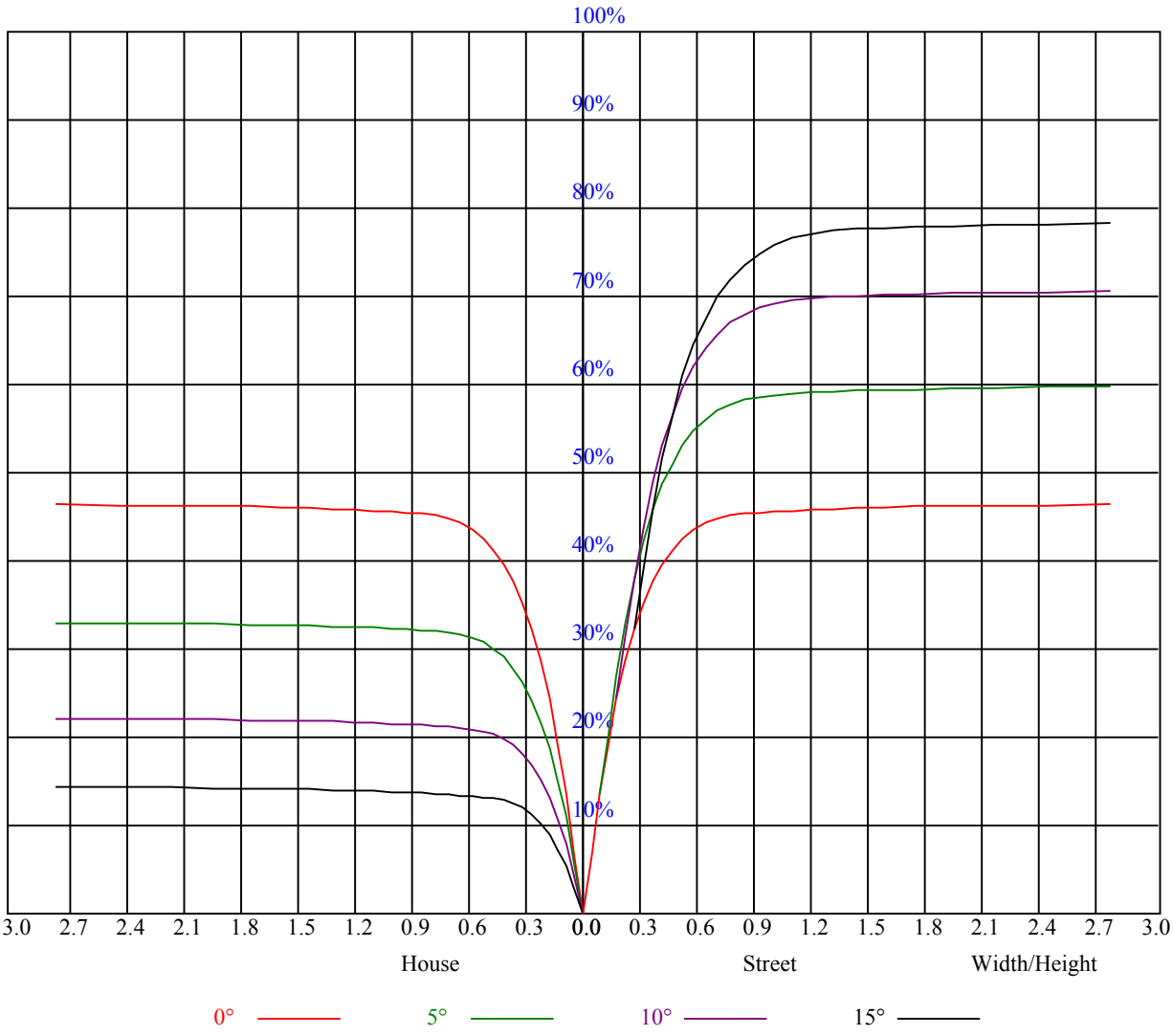


Equipment: GMS1980 Date: 2023/11/17 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	0.94
1	1.04	1.02	1.00	1.02	1.00	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.75	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	0.73	0.69	0.77	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62
10	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/17	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	10402.60	10185.62	9821.94	9348.67	8672.80	8098.79	7511.48	6933.59	6218.98
45.0	10583.05	10421.98	10234.88	9906.08	9295.53	8769.67	8187.90	7590.09	6863.85
90.0	10460.72	10260.90	9963.09	9523.03	8878.16	8309.68	7732.90	6987.84	6429.87
135.0	10615.16	10542.65	10416.99	10144.10	9737.81	9243.50	8552.68	7982.54	7246.89
180.0	10402.60	10564.79	10602.43	10459.62	10287.47	9990.22	9429.49	8901.97	8323.52
225.0	10583.05	10614.61	10487.29	10202.22	9852.94	9410.67	8902.52	8185.14	7585.10
270.0	10460.72	10586.93	10599.66	10455.19	10144.10	9778.77	9330.96	8816.72	8099.34
315.0	10615.16	10521.61	10327.32	10041.70	9639.83	9012.67	8458.03	7862.43	7265.71
360.0	10402.60	10185.62	9821.94	9348.67	8672.80	8098.79	7511.48	6933.59	6218.98

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5679.83	5179.99	4728.86	4214.07	3834.34	3403.69	3090.39	2810.86	2513.05
45.0	6303.67	5772.83	5151.76	4702.84	4290.46	3903.54	3459.05	3136.89	2849.05
90.0	5875.78	5229.81	4774.25	4356.88	3961.66	3518.27	3197.22	2906.06	2650.33
135.0	6677.30	6108.27	5573.55	4976.29	4555.05	4158.16	3787.29	3357.75	3047.22
180.0	7729.02	7002.23	6430.43	5867.48	5333.32	4758.20	4331.42	3956.12	3518.27
225.0	6995.03	6421.57	5737.95	5234.24	4777.02	4262.23	3880.29	3443.55	3134.12
270.0	7500.41	6926.95	6214.55	5674.30	5045.48	4604.31	4195.80	3806.67	3387.09
315.0	6530.62	5968.23	5320.59	4849.53	4421.09	3931.21	3578.06	3259.77	2964.74
360.0	5679.83	5179.99	4728.86	4214.07	3834.34	3403.69	3090.39	2810.86	2513.05

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2299.39	2118.38	1953.43	1782.94	1659.50	1546.58	1437.53	1223.87	1086.98
45.0	2544.60	2323.74	2086.83	1922.43	1781.83	1655.07	1515.58	1403.21	1296.93
90.0	2372.46	2175.40	2004.35	1817.81	1687.73	1539.38	1426.46	1237.15	1096.78
135.0	2780.96	2490.91	2285.00	2101.78	1906.38	1769.65	1648.43	1503.40	1391.59
180.0	3196.12	2909.94	2604.94	2384.63	2152.70	1987.75	1848.81	1718.73	1573.70
225.0	2856.25	2549.03	2343.12	2161.00	2001.59	1821.69	1698.80	1584.22	1474.62
270.0	3079.32	2805.87	2571.73	2318.21	2139.42	1976.12	1787.92	1678.32	1564.85
315.0	2651.44	2429.47	2235.73	2060.81	1878.70	1750.28	1636.25	1526.65	1394.91
360.0	2299.39	2118.38	1953.43	1782.94	1659.50	1546.58	1437.53	1223.87	1086.98

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.98	978.32	844.47	740.85	619.85	529.29	450.08	361.02	296.20
45.0	1191.76	1056.70	953.19	848.02	724.03	631.03	538.59	440.06	370.32
90.0	1069.32	967.36	861.41	735.76	642.71	548.83	466.02	375.02	308.76
135.0	1278.11	1167.41	1032.34	926.62	825.88	724.03	606.12	518.66	440.61
180.0	1461.34	1352.84	1242.13	1108.18	998.58	887.87	756.68	657.60	563.50
225.0	1336.79	1089.75	1089.75	1010.20	873.04	769.75	647.91	554.53	471.39
270.0	1436.43	1325.17	1198.41	1086.04	969.80	862.96	724.58	627.71	535.82
315.0	1092.74	1092.74	1041.42	929.28	794.05	689.60	591.73	505.27	406.96
360.0	1086.98	978.32	844.47	740.85	619.85	529.29	450.08	361.02	296.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	241.01	183.72	147.30	119.18	98.14	79.04	68.03	59.84	53.91
45.0	304.44	290.05	222.58	147.07	112.26	92.61	78.49	67.86	58.23
90.0	251.86	204.03	154.49	124.27	101.74	81.92	70.52	60.45	54.69
135.0	352.60	288.39	288.39	173.70	139.77	113.31	90.39	76.94	66.92
180.0	461.10	388.03	320.50	290.05	290.05	153.33	122.44	94.99	79.49
225.0	379.17	311.97	252.69	202.70	152.44	122.17	99.80	79.82	68.75
270.0	452.24	360.35	295.59	280.09	214.61	140.43	113.20	93.05	74.56
315.0	335.06	273.45	221.19	167.50	133.62	108.71	86.13	72.85	63.27
360.0	241.01	183.72	147.30	119.18	98.14	79.04	68.03	59.84	53.91

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	48.38	45.11	41.96	40.08	38.58	37.36	36.81	36.48	36.53
45.0	52.86	48.71	45.45	42.35	40.41	38.91	37.70	37.14	36.87
90.0	50.26	46.77	43.51	41.46	39.85	38.64	37.59	37.03	36.87
135.0	59.51	52.92	48.82	45.67	43.12	40.68	39.19	38.14	37.36
180.0	68.47	60.45	53.31	49.10	45.83	42.73	40.85	39.02	38.03
225.0	60.72	54.97	49.65	46.44	43.95	41.46	39.85	38.47	37.81
270.0	64.49	55.80	50.87	47.11	44.23	41.46	39.80	38.47	37.53
315.0	55.13	50.43	46.88	43.45	41.35	39.69	38.14	37.36	36.92
360.0	48.38	45.11	41.96	40.08	38.58	37.36	36.81	36.48	36.53

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.92	37.59	37.70	37.59	36.75	35.37	33.43	30.44	28.06
45.0	36.92	37.20	37.70	38.08	37.97	37.47	36.09	33.54	31.05
90.0	37.09	37.31	37.70	37.64	37.14	35.98	33.77	31.44	29.17
135.0	37.03	37.03	37.20	37.36	37.64	37.31	36.42	34.82	32.11
180.0	37.31	36.98	37.09	37.42	37.97	38.30	38.30	37.70	36.42
225.0	37.42	37.42	37.70	38.25	38.47	38.53	37.92	36.26	34.10
270.0	36.87	36.75	36.92	37.36	37.97	38.14	37.97	37.03	35.48
315.0	36.81	37.09	37.75	38.30	38.47	38.25	37.09	35.26	32.27
360.0	36.92	37.59	37.70	37.59	36.75	35.37	33.43	30.44	28.06

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.18	24.19	23.03	22.09	21.03	20.37	19.71	19.15	18.49
45.0	28.62	26.57	24.52	23.36	22.14	21.26	20.54	19.76	19.21
90.0	26.46	24.85	23.58	22.47	21.64	20.65	20.04	19.43	18.71
135.0	29.84	27.57	25.68	24.13	22.75	21.81	21.03	20.15	19.54
180.0	34.54	31.27	28.78	26.68	24.58	23.30	22.09	21.20	20.48
225.0	30.94	28.40	26.35	24.24	23.03	22.09	21.09	20.37	19.71
270.0	32.60	30.11	27.62	25.68	23.80	22.69	21.81	21.03	20.15
315.0	29.67	26.68	25.02	23.64	22.58	21.48	20.76	20.09	19.48
360.0	26.18	24.19	23.03	22.09	21.03	20.37	19.71	19.15	18.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.93	17.60	17.16	16.72	16.33	16.00	15.55	15.17	14.72
45.0	18.65	18.05	17.60	17.16	16.83	16.44	15.94	15.61	15.22
90.0	18.21	17.66	17.21	16.83	16.38	16.00	15.67	15.28	14.78
135.0	18.82	18.21	17.82	17.33	16.88	16.55	16.16	15.72	15.39
180.0	19.71	19.10	18.54	18.05	17.49	17.10	16.77	16.38	15.94
225.0	19.10	18.43	17.93	17.49	17.10	16.61	16.27	15.89	15.44
270.0	19.54	18.99	18.32	17.82	17.38	16.88	16.50	16.05	15.67
315.0	18.76	18.27	17.82	17.21	16.83	16.44	16.00	15.61	15.17
360.0	17.93	17.60	17.16	16.72	16.33	16.00	15.55	15.17	14.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.39	14.06	13.67	13.28	13.06	12.79	12.51	12.29	12.29
45.0	14.78	14.39	13.89	13.56	13.23	12.90	12.68	12.40	12.18
90.0	14.45	14.00	13.67	13.34	13.06	12.79	12.51	12.23	12.12
135.0	15.00	14.50	14.12	13.73	13.40	13.06	12.79	12.51	12.23
180.0	15.61	15.17	14.72	14.28	14.00	13.62	13.34	12.95	12.68
225.0	15.06	14.67	14.28	13.89	13.51	13.23	12.95	12.68	12.45
270.0	15.28	14.83	14.45	14.12	13.67	13.34	13.12	12.79	12.51
315.0	14.78	14.45	14.06	13.67	13.34	13.01	12.79	12.51	12.23
360.0	14.39	14.06	13.67	13.28	13.06	12.79	12.51	12.29	12.29

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.23
90.0	12.12
135.0	12.12
180.0	12.40
225.0	12.18
270.0	12.18
315.0	12.18
360.0	12.29