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NT

LumCAT: 2-2686-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC

Report No: 2024227-B011	Voltage(V): 36.0500
Test No: 2024227-C011	Current(A): 0.7010
Number of Lamps: 1	Power (W): 25.2710
Lamp flux(lm): 3316.0	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2785.37, Efficiency(%): 84.00% , Luminous Efficacy(lm/W): 110.22
Central intensity(cd): 13886.510, Maximum intensity(cd): 13886.510
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.2
[C90/270]Total=19.2
Field angle(10%Imax): [C0/180]Total=48.2
[C90/270]Total=48.2
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.169%

Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13886.511	0.000	0	0.00%	0.00%
1.0	13779.708	13.238	13.238	0.40%	0.48%
2.0	13160.920	38.668	51.906	1.17%	1.86%
3.0	12792.228	62.071	113.977	1.87%	4.09%
4.0	12033.718	83.100	197.077	2.51%	7.08%
5.0	11406.357	100.838	297.915	3.04%	10.70%
6.0	10541.029	115.339	413.255	3.48%	14.84%
7.0	9548.195	124.693	537.948	3.76%	19.31%
8.0	8580.232	129.742	667.69	3.91%	23.97%
9.0	7526.608	130.537	798.227	3.94%	28.66%
10.0	6557.183	127.453	925.68	3.84%	33.23%
11.0	5713.435	122.609	1048.289	3.70%	37.64%
12.0	4885.634	115.863	1164.152	3.49%	41.80%
13.0	4248.397	108.398	1272.55	3.27%	45.69%
14.0	3745.103	102.316	1374.866	3.09%	49.36%
15.0	3306.331	96.805	1471.671	2.92%	52.84%
16.0	2986.432	92.207	1563.878	2.78%	56.15%
17.0	2766.680	89.591	1653.469	2.70%	59.36%
18.0	2492.956	86.720	1740.189	2.62%	62.48%
19.0	2303.789	83.454	1823.643	2.52%	65.47%
20.0	2030.789	79.335	1902.977	2.39%	68.32%
21.0	1850.467	74.528	1977.505	2.25%	71.00%
22.0	1692.895	71.205	2048.711	2.15%	73.55%
23.0	1532.946	67.687	2116.398	2.04%	75.98%
24.0	1402.894	64.188	2180.586	1.94%	78.29%
25.0	1255.688	60.450	2241.036	1.82%	80.46%
26.0	1165.285	57.147	2298.183	1.72%	82.51%
27.0	1050.984	54.222	2352.405	1.64%	84.46%
28.0	931.678	50.197	2402.602	1.51%	86.26%
29.0	810.068	45.569	2448.171	1.37%	87.89%
30.0	695.789	40.658	2488.829	1.23%	89.35%
31.0	591.165	35.814	2524.643	1.08%	90.64%
32.0	497.836	31.199	2555.841	0.94%	91.76%
33.0	417.463	26.965	2582.806	0.81%	92.73%
34.0	342.020	22.984	2605.79	0.69%	93.55%
35.0	285.495	19.488	2625.279	0.59%	94.25%
36.0	246.921	16.952	2642.231	0.51%	94.86%
37.0	191.464	14.298	2656.529	0.43%	95.37%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	144.843	11.225	2667.754	0.34%	95.78%
39.0	111.112	8.736	2676.491	0.26%	96.09%
40.0	86.972	6.908	2683.399	0.21%	96.34%
41.0	69.620	5.576	2688.975	0.17%	96.54%
42.0	55.538	4.547	2693.522	0.14%	96.70%
43.0	45.984	3.761	2697.283	0.11%	96.84%
44.0	39.868	3.240	2700.523	0.10%	96.95%
45.0	35.362	2.891	2703.415	0.09%	97.06%
46.0	32.092	2.638	2706.053	0.08%	97.15%
47.0	29.554	2.452	2708.504	0.07%	97.24%
48.0	27.440	2.304	2710.808	0.07%	97.32%
49.0	25.765	2.185	2712.993	0.07%	97.40%
50.0	24.389	2.091	2715.084	0.06%	97.48%
51.0	23.233	2.015	2717.099	0.06%	97.55%
52.0	22.363	1.957	2719.056	0.06%	97.62%
53.0	21.639	1.914	2720.97	0.06%	97.69%
54.0	21.163	1.887	2722.856	0.06%	97.76%
55.0	20.797	1.873	2724.729	0.06%	97.82%
56.0	20.629	1.872	2726.601	0.06%	97.89%
57.0	20.644	1.887	2728.488	0.06%	97.96%
58.0	20.819	1.917	2730.406	0.06%	98.03%
59.0	21.097	1.960	2732.365	0.06%	98.10%
60.0	21.500	2.012	2734.378	0.06%	98.17%
61.0	21.807	2.067	2736.445	0.06%	98.24%
62.0	22.019	2.112	2738.556	0.06%	98.32%
63.0	21.968	2.139	2740.696	0.06%	98.40%
64.0	21.595	2.138	2742.833	0.06%	98.47%
65.0	21.032	2.110	2744.943	0.06%	98.55%
66.0	20.117	2.053	2746.996	0.06%	98.62%
67.0	19.210	1.977	2748.973	0.06%	98.69%
68.0	18.288	1.900	2750.873	0.06%	98.76%
69.0	17.666	1.834	2752.707	0.06%	98.83%
70.0	17.220	1.792	2754.499	0.05%	98.89%
71.0	16.935	1.765	2756.264	0.05%	98.95%
72.0	16.796	1.754	2758.018	0.05%	99.02%
73.0	16.620	1.747	2759.766	0.05%	99.08%
74.0	16.218	1.726	2761.492	0.05%	99.14%
75.0	15.947	1.700	2763.191	0.05%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.691	1.680	2764.871	0.05%	99.26%
77.0	15.333	1.654	2766.525	0.05%	99.32%
78.0	14.982	1.623	2768.148	0.05%	99.38%
79.0	14.675	1.593	2769.741	0.05%	99.44%
80.0	14.331	1.564	2771.305	0.05%	99.49%
81.0	13.914	1.527	2772.832	0.05%	99.55%
82.0	13.563	1.490	2774.322	0.04%	99.60%
83.0	13.219	1.456	2775.778	0.04%	99.66%
84.0	12.985	1.428	2777.206	0.04%	99.71%
85.0	12.802	1.407	2778.613	0.04%	99.76%
86.0	12.612	1.389	2780.002	0.04%	99.81%
87.0	12.370	1.367	2781.369	0.04%	99.86%
88.0	12.217	1.347	2782.716	0.04%	99.90%
89.0	12.121	1.334	2784.05	0.04%	99.95%
90.0	12.026	1.324	2785.374	0.04%	100.00%

Zonal flux distribution table

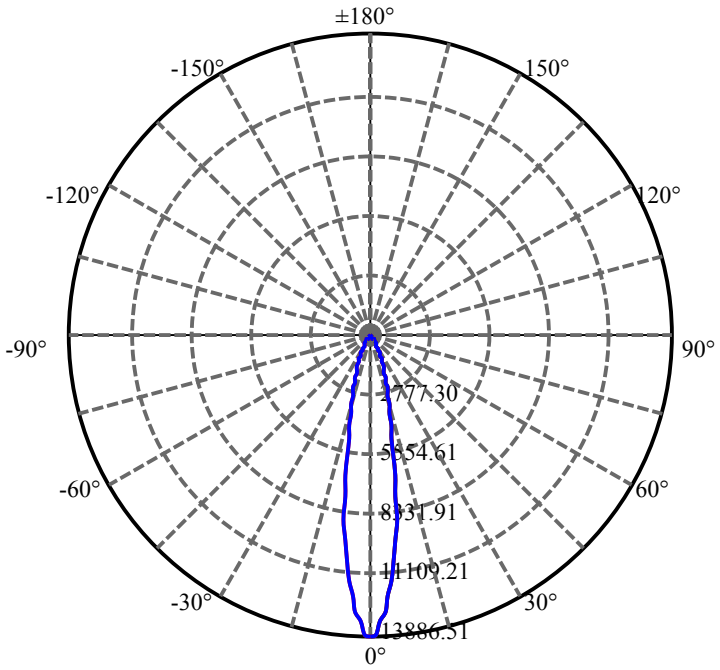
ZONAL LUMEN SUMMARY

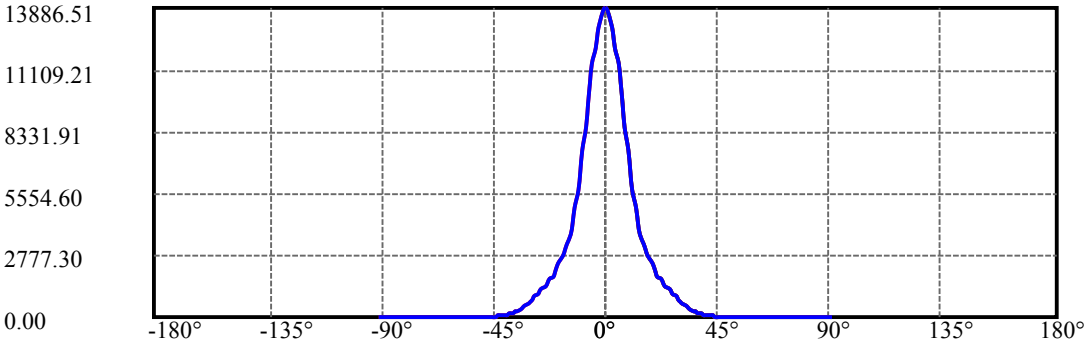
Zone	Lumens	%Lamp	%Fixt
0-30	2488.83	75.06%	89.35%
0-40	2683.40	80.92%	96.34%
0-60	2734.38	82.46%	98.17%
0-90	2784.05	83.96%	99.95%
0-120	2784.05	83.96%	99.95%
0-180	2785.37	84.00%	100.00%
60-90	49.67	1.50%	1.78%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.79	2228.30	67.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	925.68
10-20	977.30
20-30	585.85
30-40	194.57
40-50	31.69
50-60	19.29
60-70	20.12
70-80	16.81
80-90	12.75
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):

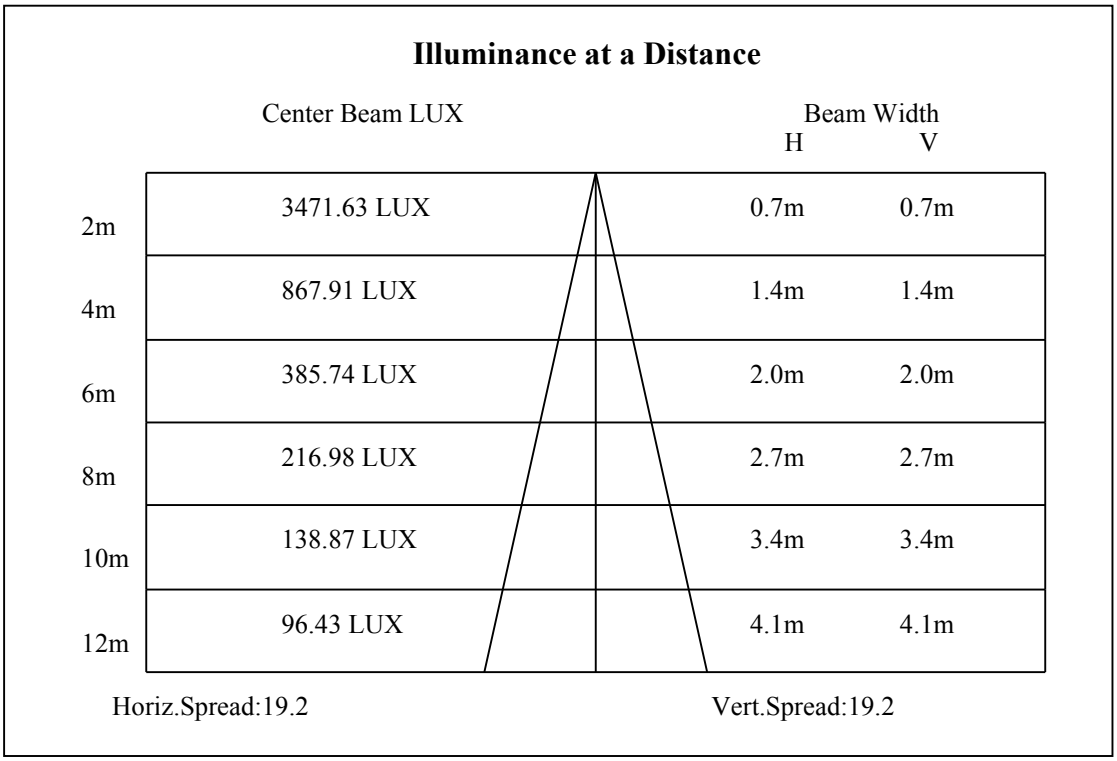
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.1 Right:24.1
:C90/270Left:24.1 Right:24.1

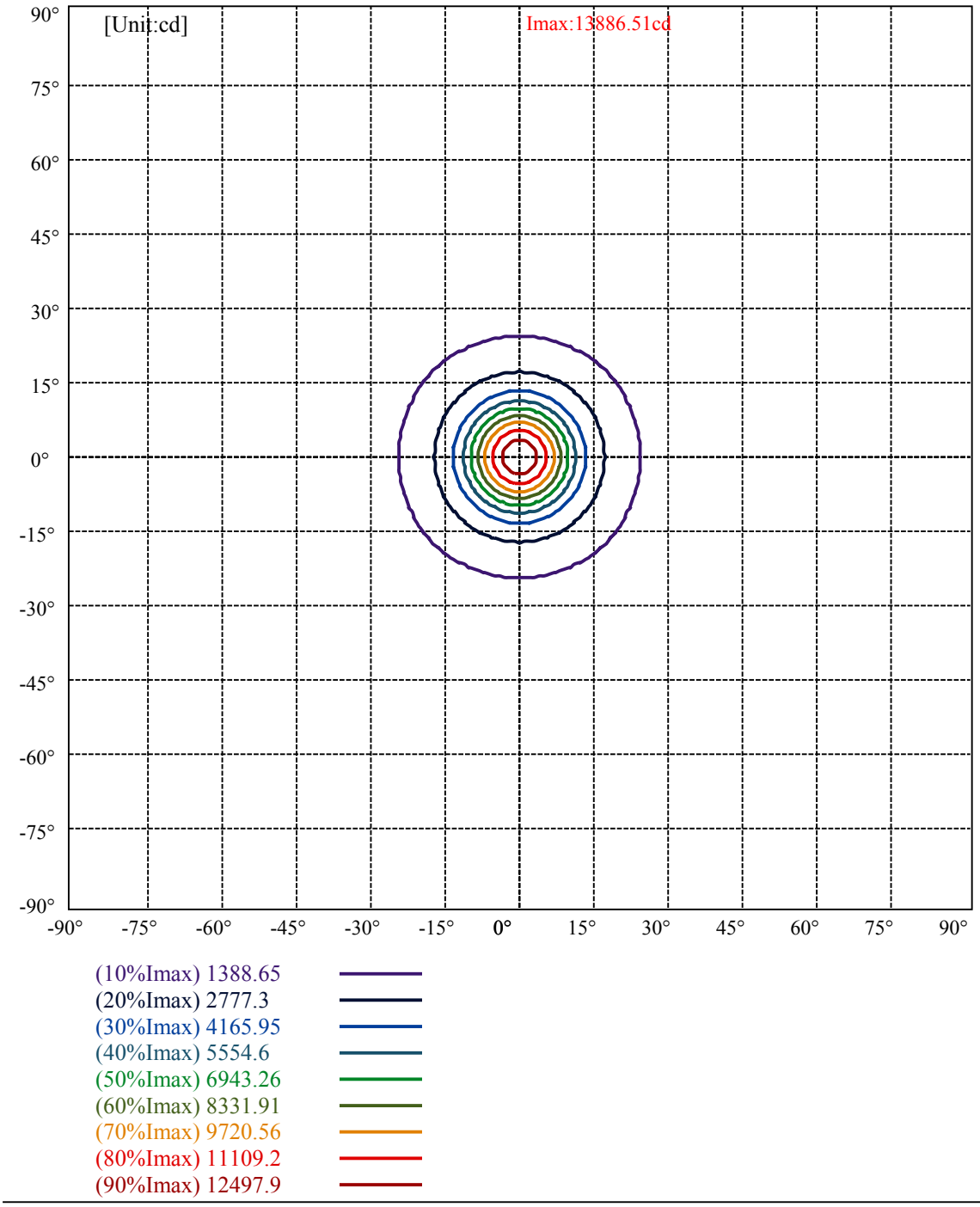
Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

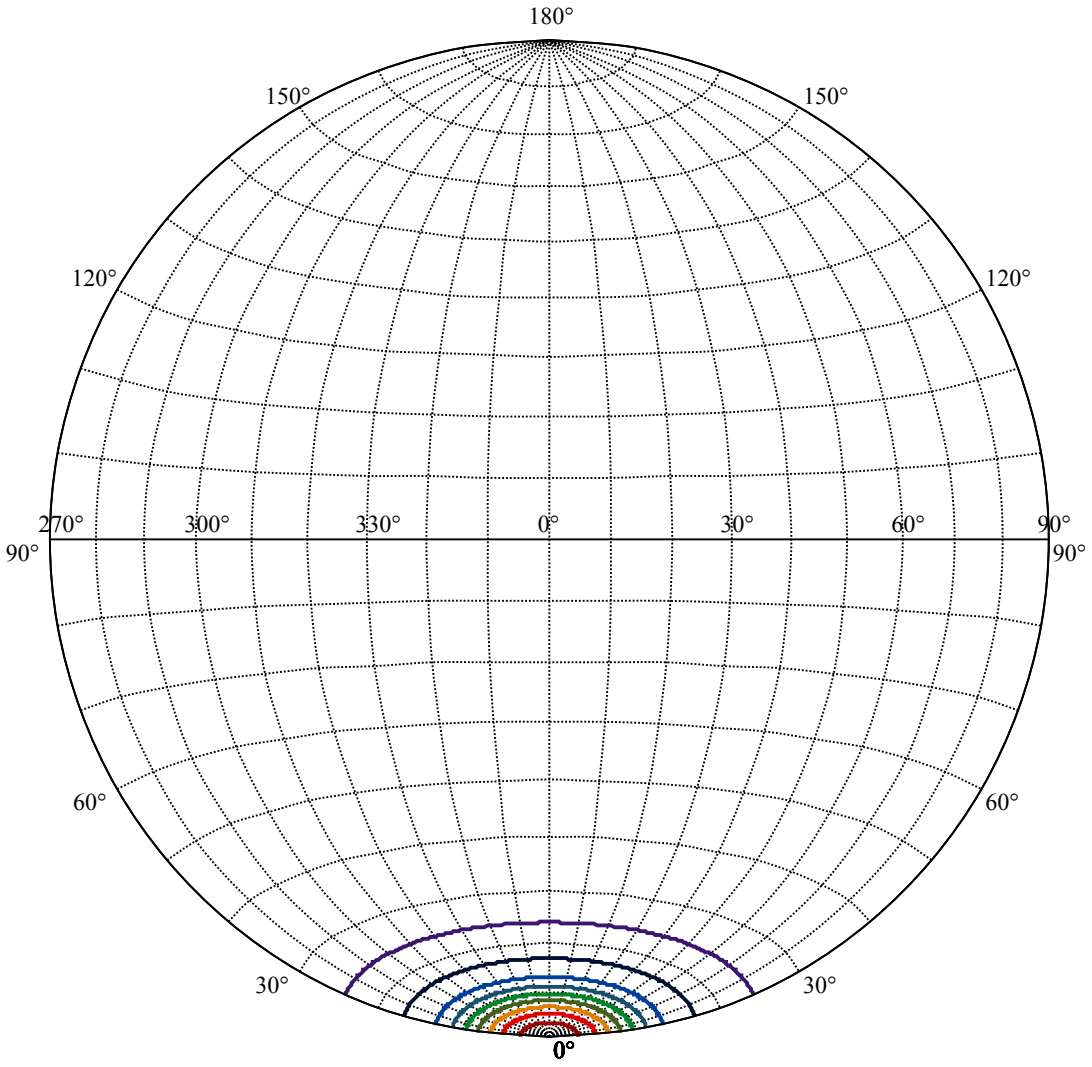


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

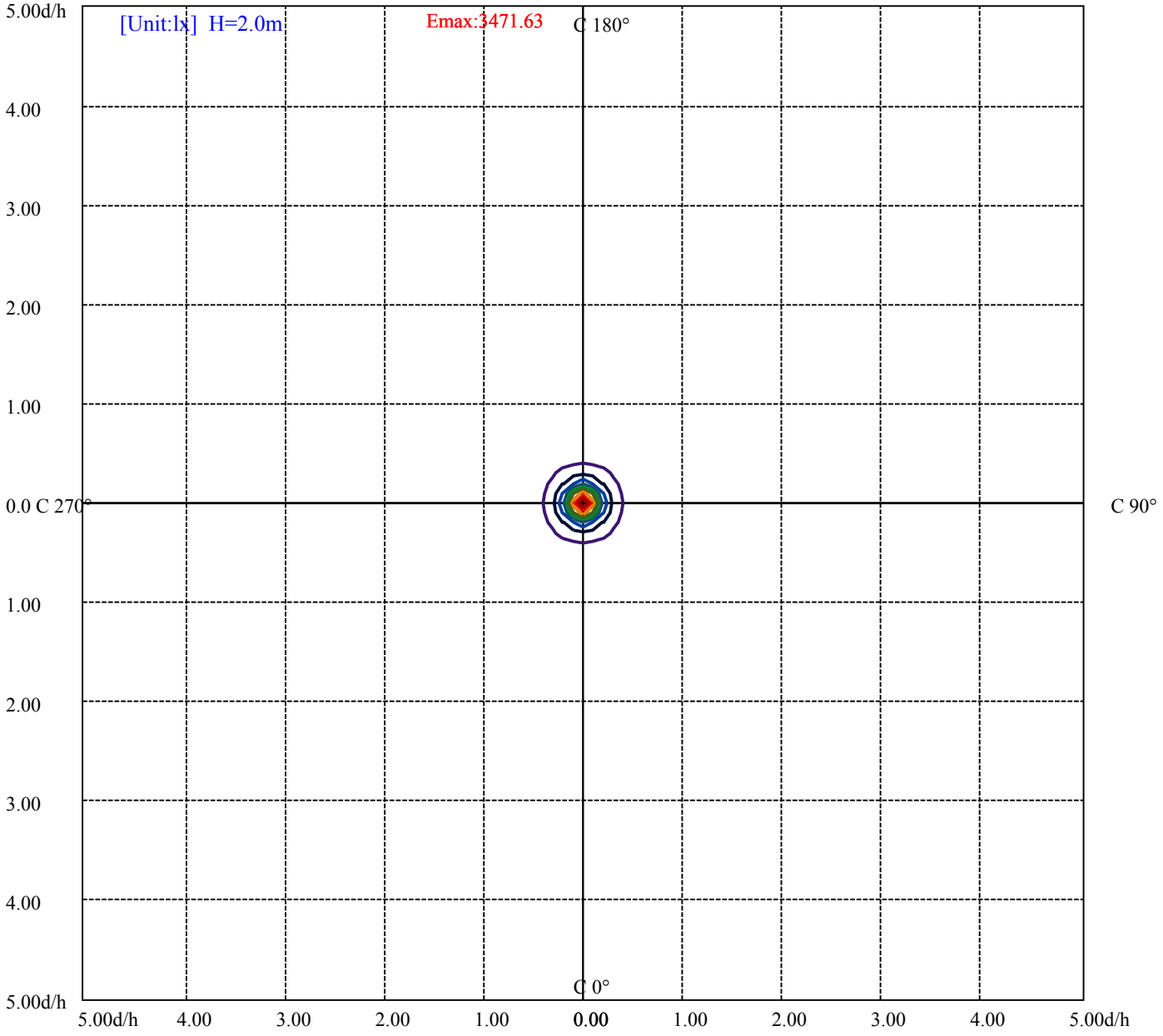
Imax:13886.51

(10%Imax) 1388.65
(20%Imax) 2777.3
(30%Imax) 4165.95
(40%Imax) 5554.6
(50%Imax) 6943.26
(60%Imax) 8331.91
(70%Imax) 9720.56
(80%Imax) 11109.2
(90%Imax) 12497.9

Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2686-L

ISO illuminance diagram

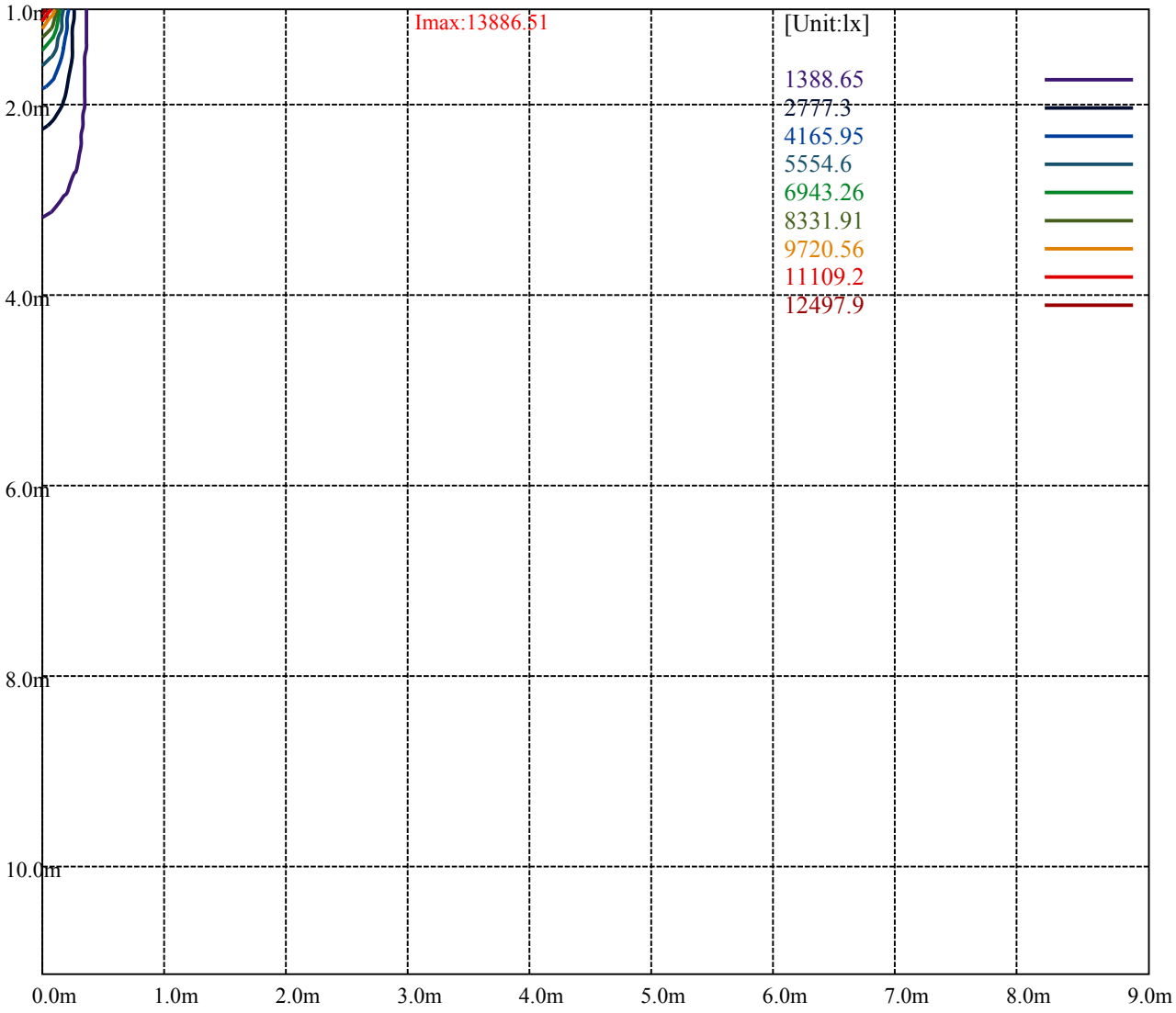


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

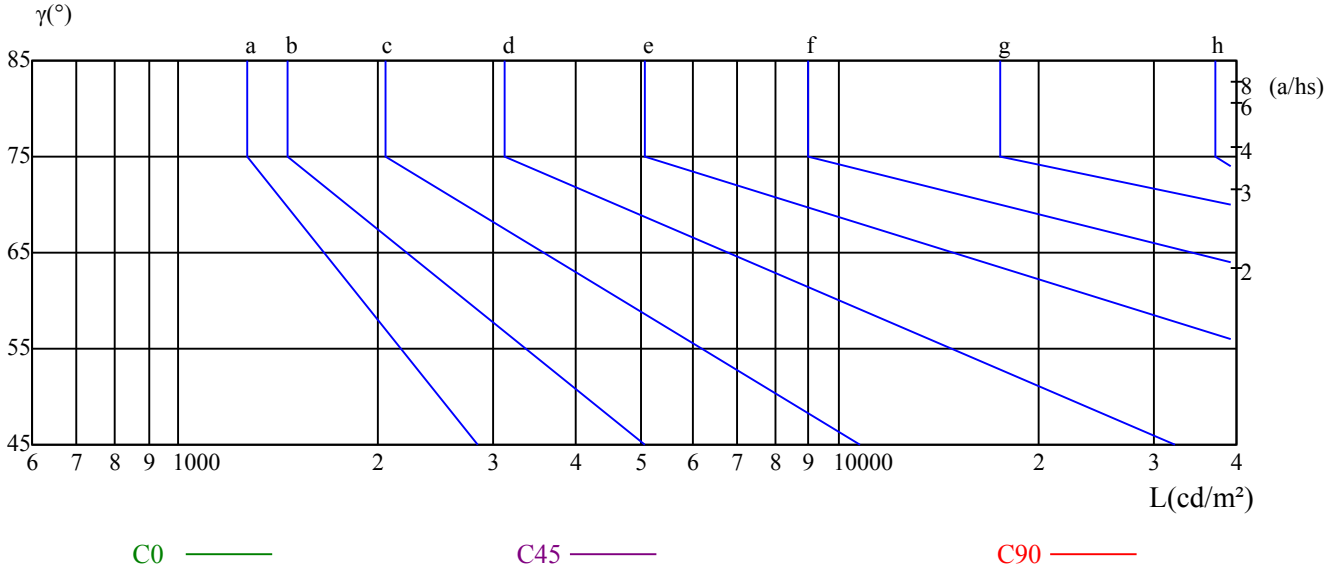
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

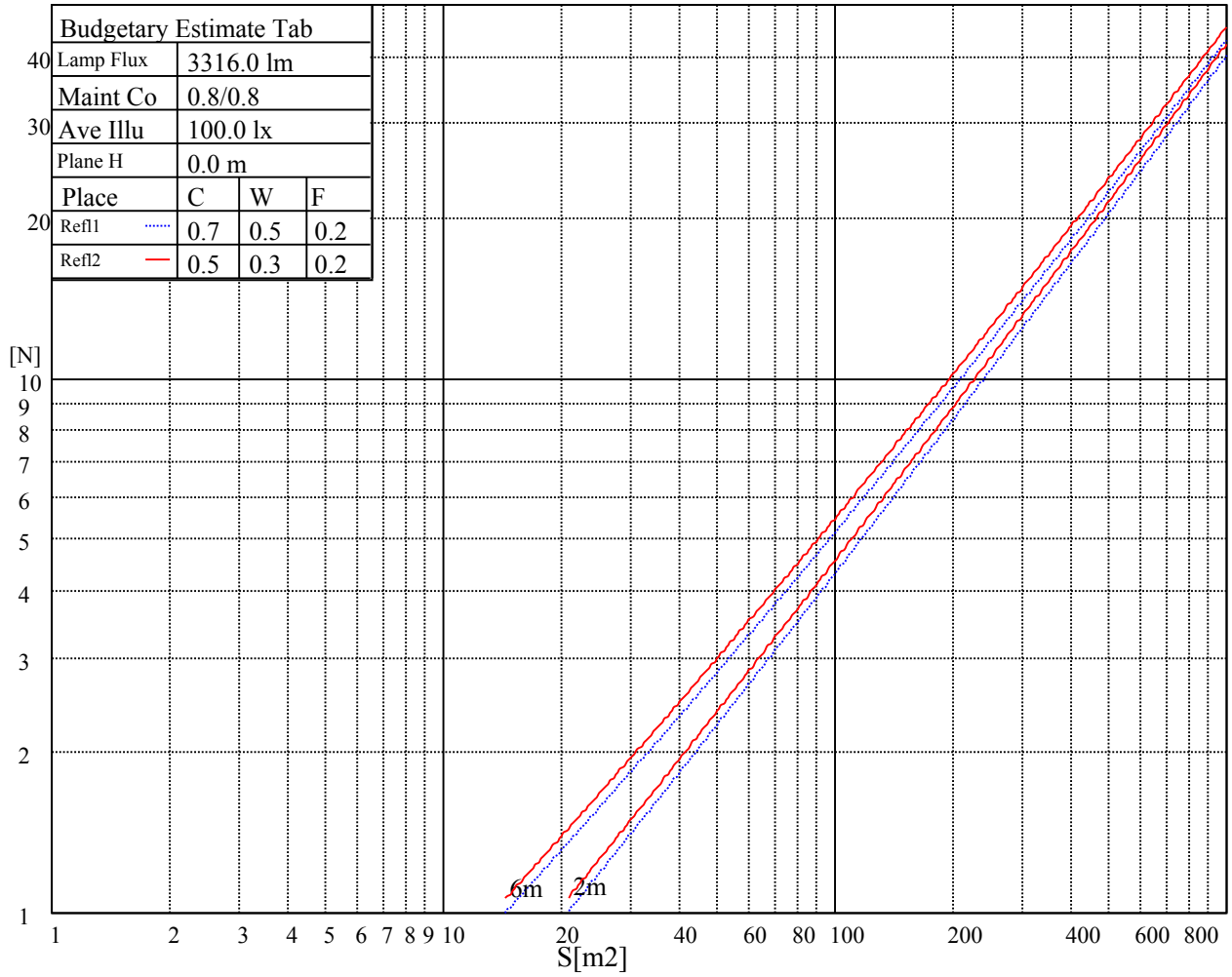
Luminance Limitting Curve



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

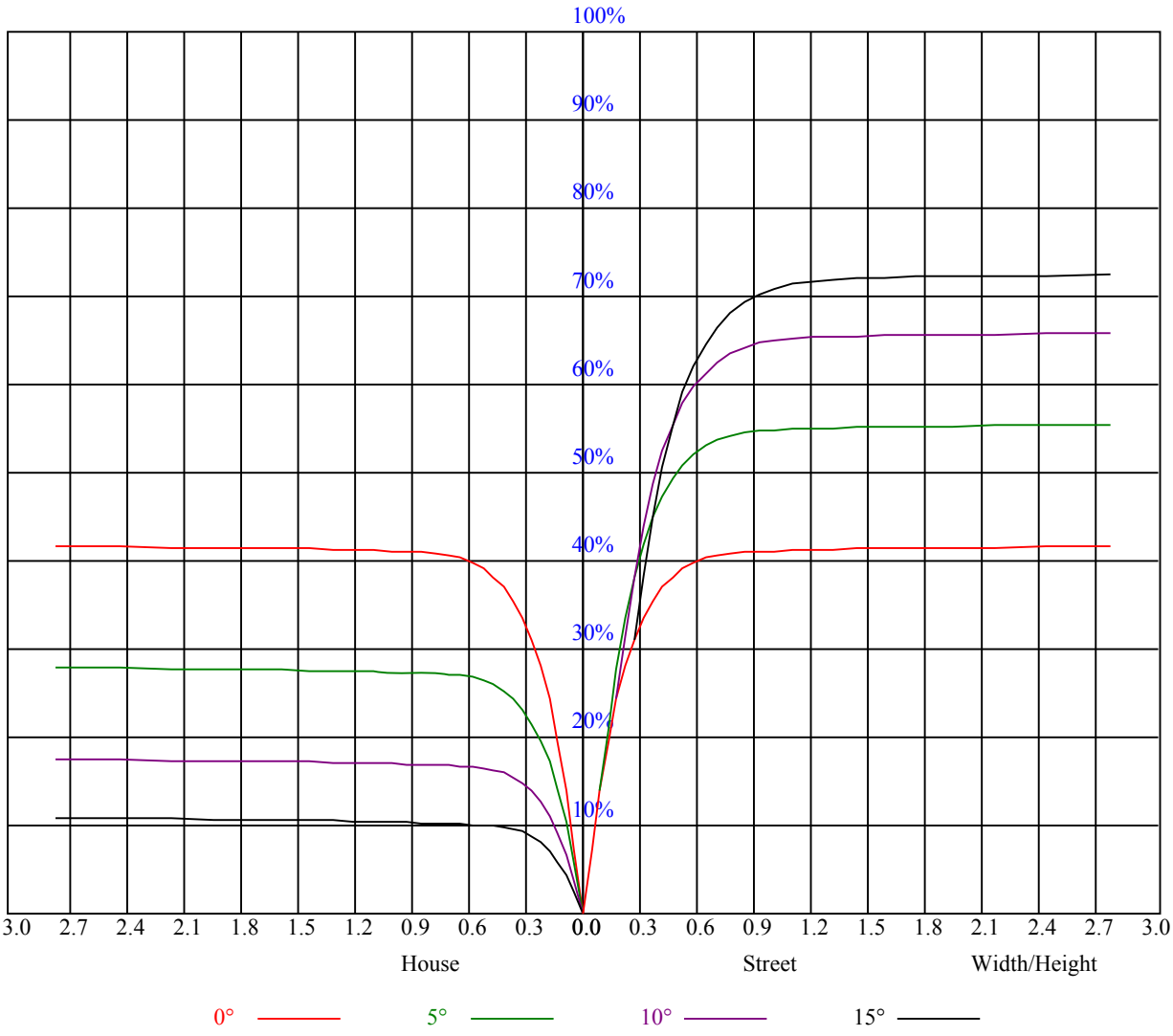


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

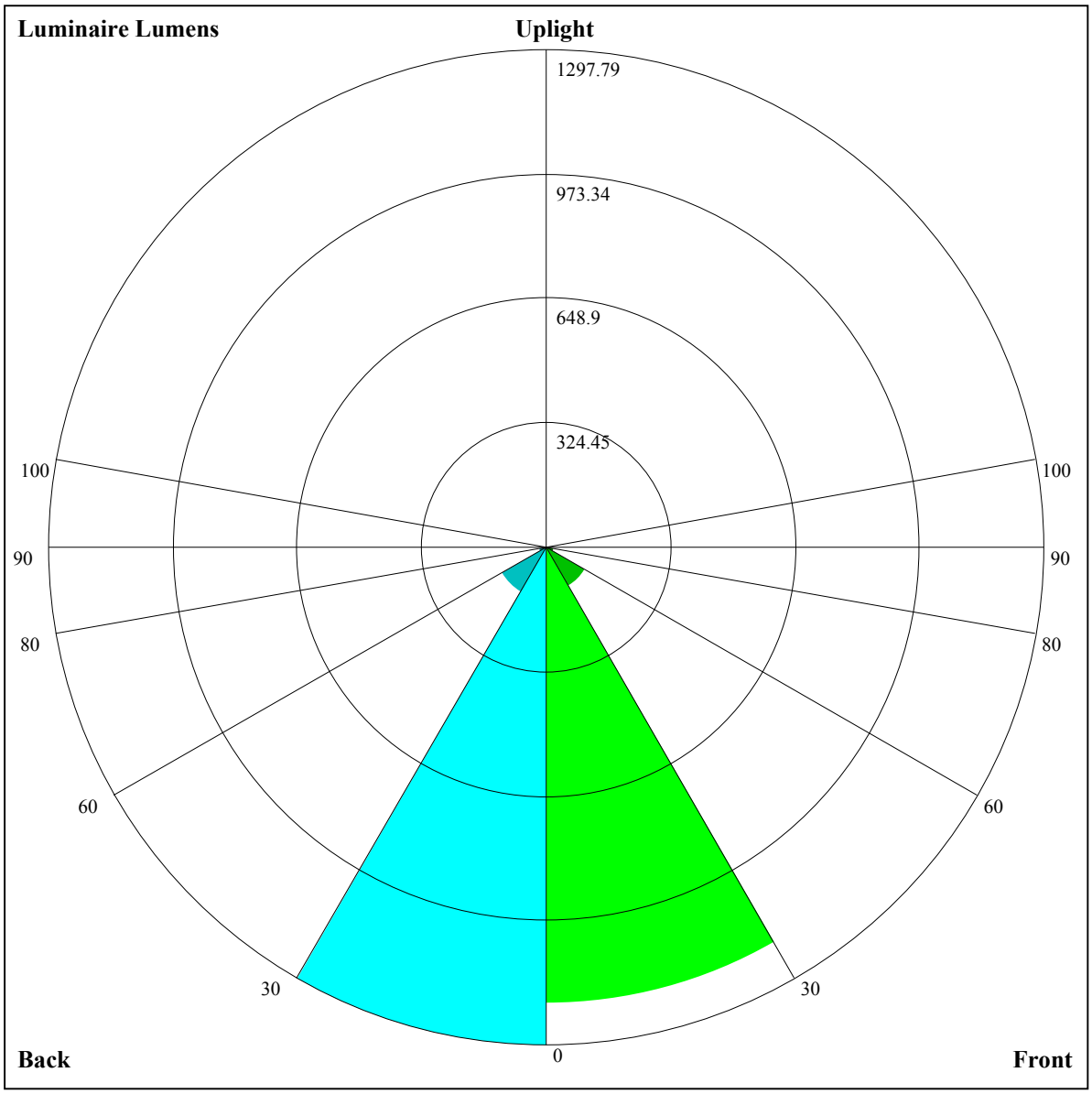
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.91	0.92	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.72	0.70	0.74	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.67	0.66
7	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
8	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.58

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1188.12,FM=114.8,FH=18.49,FVH=7.02
BL=1297.79,BM=133.56,BH=18.48,BVH=7.07
UL=0,UH=0

BUG Rating:B3-U0-G0

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	13662.66	13212.04	11658.91	11658.91	10784.00	9641.06	8684.21	7750.19	6836.07
45.0	13996.24	13768.00	13387.61	12849.20	11977.21	11169.60	10280.06	9092.06	8143.99
90.0	13849.93	13504.65	11646.62	11646.62	11435.36	10356.79	9427.45	8467.09	7287.28
135.0	14037.21	13902.61	13569.03	13018.92	12381.02	11649.49	10572.67	9648.02	8682.40
180.0	13662.66	13984.54	13996.24	13756.30	13381.75	12738.01	12070.85	11321.76	10479.04
225.0	13996.24	13926.01	13609.99	13241.30	11638.43	11638.43	11019.85	9855.25	8878.51
270.0	13849.93	14031.35	13931.87	13510.50	13065.73	12451.25	11737.27	10683.87	9747.51
315.0	14037.21	13908.46	13487.10	12656.08	11606.24	11606.24	10535.86	9567.32	8587.06
360.0	13662.66	13212.04	11658.91	11658.91	10784.00	9641.06	8684.21	7750.19	6836.07

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5779.74	4859.77	4381.64	3850.84	3430.65	3014.55	2744.76	2515.36	2267.81
45.0	7213.48	6347.35	5352.47	4656.05	3959.63	3514.86	3157.87	2999.86	2999.86
90.0	6398.32	5575.50	4689.47	4111.85	3648.35	3270.30	2888.14	2636.50	2422.30
135.0	7476.83	6558.03	5732.86	4819.91	4228.84	3737.25	3333.44	3005.72	3005.72
180.0	9273.48	8313.71	7353.94	6201.04	5393.43	4691.16	3983.04	3526.57	3070.09
225.0	7893.57	6706.74	5843.53	5079.81	4297.95	3788.22	3373.30	3037.38	2765.25
270.0	8781.89	7605.58	6692.63	5627.52	4872.58	4263.95	3766.51	3269.07	2953.05
315.0	7395.55	6490.79	5660.94	4738.04	4155.74	3680.54	3203.58	2901.02	2649.37
360.0	5779.74	4859.77	4381.64	3850.84	3430.65	3014.55	2744.76	2515.36	2267.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2085.80	1878.63	1731.74	1601.23	1448.49	1155.00	1155.00	1098.35	954.03
45.0	2359.10	2167.15	1989.24	1795.53	1660.93	1533.93	1414.55	1264.73	1148.27
90.0	2223.91	2000.36	1841.18	1699.55	1539.20	1416.30	1153.07	1153.07	1038.83
135.0	2464.44	2265.46	2035.47	1873.36	1729.40	1568.46	1446.73	1294.58	1179.29
180.0	2999.86	2999.86	2350.32	2098.68	1923.11	1773.88	1637.52	1485.94	1370.07
225.0	2478.49	2270.15	2081.12	1870.44	1722.96	1564.36	1445.56	1156.35	1156.35
270.0	2953.05	2671.03	2220.40	2030.79	1859.90	1717.69	1557.34	1439.13	1322.08
315.0	2379.00	2177.68	1996.85	1834.15	1659.17	1533.93	1413.38	1153.36	1153.36
360.0	2085.80	1878.63	1731.74	1601.23	1448.49	1155.00	1155.00	1098.35	954.03

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	837.75	727.84	626.48	515.35	433.24	358.80	292.73	224.14	179.25
45.0	1030.64	888.43	774.90	645.56	557.78	475.26	398.01	314.32	299.69
90.0	924.36	785.02	679.45	586.63	482.52	403.57	333.93	274.53	212.55
135.0	1062.83	948.12	805.33	700.57	608.69	523.83	424.93	355.29	309.06
180.0	1256.54	1144.76	1003.72	890.19	776.65	644.98	558.95	456.53	381.04
225.0	1073.24	960.47	846.65	735.74	611.38	525.24	444.48	372.32	293.61
270.0	1181.63	1069.85	957.49	814.69	701.74	578.26	493.99	414.40	343.59
315.0	1040.88	928.93	786.54	677.57	557.31	472.74	392.69	324.62	265.17
360.0	837.75	727.84	626.48	515.35	433.24	358.80	292.73	224.14	179.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.60	108.79	88.08	68.41	56.42	47.11	40.56	35.46	32.66
45.0	299.69	155.90	124.71	100.07	80.12	61.10	50.56	43.07	38.22
90.0	173.05	139.87	112.25	84.92	68.12	55.83	45.12	39.50	34.65
135.0	309.06	179.02	141.92	112.95	84.16	67.53	53.14	45.12	39.80
180.0	317.25	302.03	236.61	161.93	129.45	103.12	77.54	62.56	51.38
225.0	240.18	184.76	148.00	117.75	87.67	69.93	56.71	45.35	39.50
270.0	296.18	296.18	173.69	140.40	106.92	85.79	68.88	53.14	44.71
315.0	204.36	165.15	133.49	102.47	82.93	66.54	51.79	43.66	38.04
360.0	135.60	108.79	88.08	68.41	56.42	47.11	40.56	35.46	32.66

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	30.37	28.50	26.51	25.11	23.99	22.82	22.12	21.42	20.95
45.0	34.12	31.60	28.97	27.15	25.69	24.11	23.17	22.41	21.59
90.0	31.78	29.44	27.51	25.52	24.29	23.17	22.36	21.65	21.24
135.0	34.94	32.07	29.61	27.56	25.40	24.11	23.06	22.18	21.42
180.0	43.54	37.10	33.53	30.26	28.21	26.39	24.64	23.47	22.53
225.0	35.52	32.54	29.55	27.62	25.98	24.64	23.29	22.47	21.77
270.0	38.98	34.29	31.60	29.32	26.98	25.52	24.23	23.17	22.06
315.0	33.65	31.19	29.14	26.98	25.57	24.35	23.00	22.12	21.54
360.0	30.37	28.50	26.51	25.11	23.99	22.82	22.12	21.42	20.95

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.60	20.48	20.48	20.72	21.07	21.48	21.77	21.83	21.71
45.0	21.19	20.89	20.72	20.72	21.01	21.36	21.77	22.18	22.36
90.0	21.01	20.83	20.95	21.24	21.65	22.00	22.41	22.53	22.41
135.0	21.07	20.78	20.60	20.66	20.83	21.19	21.65	22.00	22.24
180.0	21.77	21.13	20.72	20.48	20.42	20.42	20.72	21.01	21.42
225.0	21.19	20.78	20.60	20.54	20.72	20.95	21.48	21.83	22.18
270.0	21.48	20.95	20.66	20.48	20.48	20.66	21.07	21.54	22.00
315.0	21.01	20.54	20.31	20.31	20.37	20.72	21.13	21.54	21.83
360.0	20.60	20.48	20.48	20.72	21.07	21.48	21.77	21.83	21.71

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.13	20.37	19.49	18.26	17.50	16.80	16.50	16.68	16.80
45.0	22.30	21.71	21.19	20.01	19.08	18.32	17.97	18.08	18.43
90.0	21.95	21.19	20.19	19.25	18.32	17.56	17.38	17.09	16.62
135.0	22.24	21.83	21.30	20.25	19.31	18.38	17.56	16.74	16.27
180.0	21.71	21.83	21.65	21.13	20.48	19.31	18.38	17.62	16.68
225.0	22.30	22.06	21.54	20.78	19.61	18.61	17.85	17.15	16.50
270.0	22.24	22.24	21.89	21.19	20.19	19.31	18.38	17.73	17.91
315.0	21.89	21.54	21.01	20.07	19.20	18.02	17.32	16.68	16.27
360.0	21.13	20.37	19.49	18.26	17.50	16.80	16.50	16.68	16.80

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.97	16.80	16.62	16.15	15.63	15.22	14.57	14.10	13.58
45.0	18.67	18.38	17.85	17.67	17.26	16.80	16.09	15.80	15.39
90.0	16.15	15.92	15.39	15.10	14.81	14.51	14.28	14.05	13.75
135.0	15.86	15.57	15.33	15.10	14.86	14.63	14.46	14.16	13.93
180.0	16.15	15.74	15.45	15.39	15.22	15.10	14.86	14.75	14.51
225.0	16.33	16.15	16.04	16.09	15.86	15.45	15.27	14.98	14.63
270.0	18.38	18.84	17.73	16.97	17.03	16.27	15.92	15.39	14.92
315.0	15.86	15.57	15.33	15.10	14.86	14.69	14.40	14.16	13.93
360.0	16.97	16.80	16.62	16.15	15.63	15.22	14.57	14.10	13.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.28	13.05	12.87	12.70	12.47	12.29	12.17	12.00	12.00
45.0	14.40	13.52	13.11	12.87	12.76	12.52	12.23	12.11	11.94
90.0	13.34	13.17	12.99	12.82	12.64	12.41	12.23	12.06	12.00
135.0	13.69	13.46	13.23	12.93	12.82	12.58	12.41	12.29	12.06
180.0	14.16	13.99	13.40	13.17	12.87	12.70	12.58	12.35	12.23
225.0	14.28	13.87	13.40	13.11	12.93	12.70	12.35	12.23	12.35
270.0	14.46	13.93	13.46	13.23	12.99	12.87	12.58	12.41	12.29
315.0	13.69	13.52	13.28	13.05	12.93	12.82	12.41	12.29	12.11
360.0	13.28	13.05	12.87	12.70	12.47	12.29	12.17	12.00	12.00

Intensity data(cd)

C/γ(°)	90.0
0.0	12.00
45.0	11.94
90.0	12.00
135.0	12.06
180.0	12.17
225.0	12.00
270.0	12.00
315.0	12.06
360.0	12.00