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NT

Client:
LumCAT: 2-2679-L
Luminaire: 92.70.412.00
Report No: 2024226-B014
Ballast type: AC

Test No: 2024226-C014	Voltage(V): 0.000
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.000
Lamp flux(lm): 3301.0	Power (W): 0.000
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2782.81, Efficiency(%): 84.30% , Luminous Efficacy(lm/W): 0.00
Central intensity(cd): 8572.580, Maximum intensity(cd): 8572.580
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.6
[C90/270]Total=25.6
Field angle(10%Imax): [C0/180]Total=61.8
[C90/270]Total=61.8
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.49 C90_270=0.49
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.024%

Equipment: GMS1980	Date: 2024/2/26	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	8572.581	0.000	0	0.00%	0.00%
1.0	8517.423	8.177	8.177	0.25%	0.29%
2.0	8347.635	24.206	32.384	0.73%	1.16%
3.0	8093.428	39.322	71.705	1.19%	2.58%
4.0	7742.805	53.009	124.714	1.61%	4.48%
5.0	7375.942	65.040	189.754	1.97%	6.82%
6.0	6967.674	75.380	265.134	2.28%	9.53%
7.0	6560.577	83.970	349.103	2.54%	12.55%
8.0	6147.481	90.949	440.052	2.76%	15.81%
9.0	5731.386	96.272	536.324	2.92%	19.27%
10.0	5339.213	100.185	636.509	3.03%	22.87%
11.0	4947.624	102.787	739.296	3.11%	26.57%
12.0	4589.905	104.259	843.555	3.16%	30.31%
13.0	4231.894	104.693	948.247	3.17%	34.08%
14.0	3886.465	103.914	1052.161	3.15%	37.81%
15.0	3599.339	102.768	1154.93	3.11%	41.50%
16.0	3315.943	101.328	1256.258	3.07%	45.14%
17.0	3045.423	99.064	1355.322	3.00%	48.70%
18.0	2808.992	96.527	1451.848	2.92%	52.17%
19.0	2601.457	94.131	1545.979	2.85%	55.55%
20.0	2406.577	91.661	1637.64	2.78%	58.85%
21.0	2222.085	88.880	1726.52	2.69%	62.04%
22.0	2059.758	86.045	1812.565	2.61%	65.13%
23.0	1906.429	83.221	1895.786	2.52%	68.12%
24.0	1764.292	80.255	1976.042	2.43%	71.01%
25.0	1617.547	76.896	2052.937	2.33%	73.77%
26.0	1452.214	72.462	2125.399	2.20%	76.38%
27.0	1324.086	67.923	2193.322	2.06%	78.82%
28.0	1217.392	64.345	2257.667	1.95%	81.13%
29.0	1104.678	60.752	2318.419	1.84%	83.31%
30.0	968.533	55.976	2374.395	1.70%	85.32%
31.0	847.589	50.540	2424.935	1.53%	87.14%
32.0	730.558	45.212	2470.147	1.37%	88.76%
33.0	615.774	39.663	2509.811	1.20%	90.19%
34.0	507.427	33.991	2543.802	1.03%	91.41%
35.0	417.770	28.733	2572.535	0.87%	92.44%
36.0	341.003	24.159	2596.695	0.73%	93.31%
37.0	278.282	20.198	2616.892	0.61%	94.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	230.162	16.971	2633.863	0.51%	94.65%
39.0	181.998	14.068	2647.932	0.43%	95.15%
40.0	139.393	11.209	2659.141	0.34%	95.56%
41.0	98.684	8.478	2667.618	0.26%	95.86%
42.0	77.564	6.403	2674.022	0.19%	96.09%
43.0	63.643	5.231	2679.252	0.16%	96.28%
44.0	53.234	4.411	2683.664	0.13%	96.44%
45.0	46.503	3.833	2687.497	0.12%	96.58%
46.0	41.361	3.436	2690.933	0.10%	96.70%
47.0	37.498	3.136	2694.069	0.10%	96.81%
48.0	34.828	2.924	2696.993	0.09%	96.92%
49.0	32.517	2.766	2699.759	0.08%	97.02%
50.0	30.761	2.638	2702.397	0.08%	97.11%
51.0	29.408	2.546	2704.943	0.08%	97.20%
52.0	28.457	2.483	2707.426	0.08%	97.29%
53.0	27.842	2.449	2709.875	0.07%	97.38%
54.0	27.491	2.439	2712.313	0.07%	97.47%
55.0	27.432	2.452	2714.765	0.07%	97.55%
56.0	27.645	2.489	2717.254	0.08%	97.64%
57.0	28.010	2.545	2719.799	0.08%	97.74%
58.0	28.471	2.612	2722.41	0.08%	97.83%
59.0	28.881	2.681	2725.092	0.08%	97.93%
60.0	29.027	2.736	2727.827	0.08%	98.02%
61.0	28.822	2.761	2730.588	0.08%	98.12%
62.0	28.179	2.747	2733.335	0.08%	98.22%
63.0	26.855	2.677	2736.011	0.08%	98.32%
64.0	25.333	2.561	2738.572	0.08%	98.41%
65.0	23.702	2.427	2740.999	0.07%	98.50%
66.0	22.048	2.283	2743.281	0.07%	98.58%
67.0	20.519	2.140	2745.422	0.06%	98.66%
68.0	19.459	2.025	2747.447	0.06%	98.73%
69.0	18.727	1.948	2749.395	0.06%	98.80%
70.0	18.252	1.899	2751.294	0.06%	98.87%
71.0	17.849	1.866	2753.16	0.06%	98.93%
72.0	17.410	1.833	2754.994	0.06%	99.00%
73.0	16.979	1.798	2756.792	0.05%	99.07%
74.0	16.606	1.766	2758.558	0.05%	99.13%
75.0	16.306	1.739	2760.296	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.021	1.716	2762.012	0.05%	99.25%
77.0	15.743	1.693	2763.706	0.05%	99.31%
78.0	15.421	1.668	2765.374	0.05%	99.37%
79.0	15.011	1.635	2767.009	0.05%	99.43%
80.0	14.609	1.597	2768.606	0.05%	99.49%
81.0	14.243	1.560	2770.166	0.05%	99.55%
82.0	13.863	1.524	2771.69	0.05%	99.60%
83.0	13.541	1.490	2773.18	0.05%	99.65%
84.0	13.248	1.459	2774.639	0.04%	99.71%
85.0	12.926	1.429	2776.068	0.04%	99.76%
86.0	12.641	1.398	2777.466	0.04%	99.81%
87.0	12.341	1.367	2778.833	0.04%	99.86%
88.0	12.143	1.341	2780.174	0.04%	99.91%
89.0	11.975	1.322	2781.496	0.04%	99.95%
90.0	11.917	1.310	2782.806	0.04%	100.00%

Zonal flux distribution table

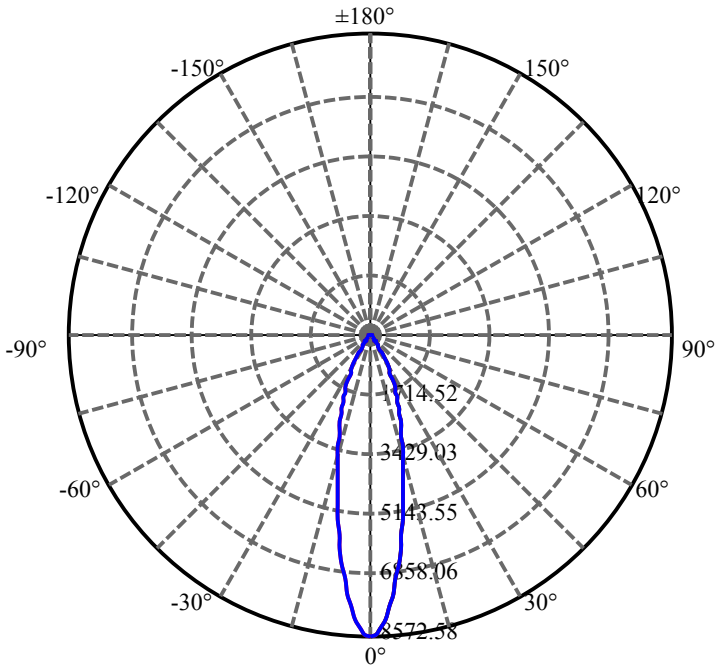
ZONAL LUMEN SUMMARY

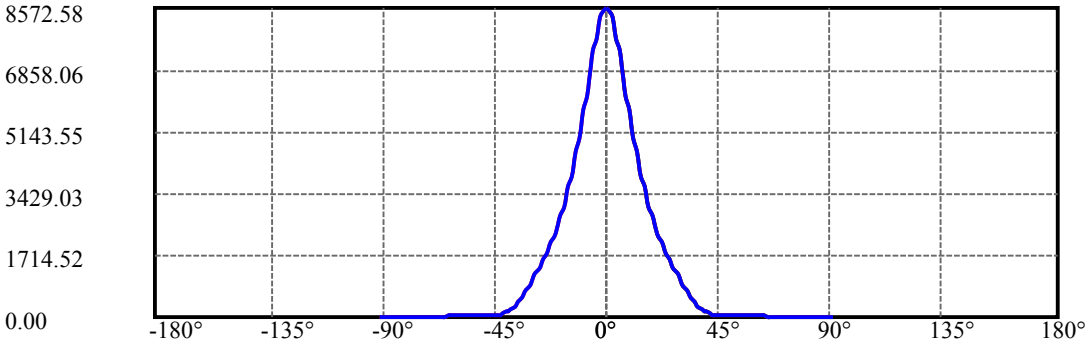
Zone	Lumens	%Lamp	%Fixt
0-30	2374.40	71.93%	85.32%
0-40	2659.14	80.56%	95.56%
0-60	2727.83	82.64%	98.02%
0-90	2781.50	84.26%	99.95%
0-120	2781.50	84.26%	99.95%
0-180	2782.81	84.30%	100.00%
60-90	53.67	1.63%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.51	2226.25	67.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	636.51
10-20	1001.13
20-30	736.76
30-40	284.75
40-50	43.26
50-60	25.43
60-70	23.47
70-80	17.31
80-90	12.89
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):

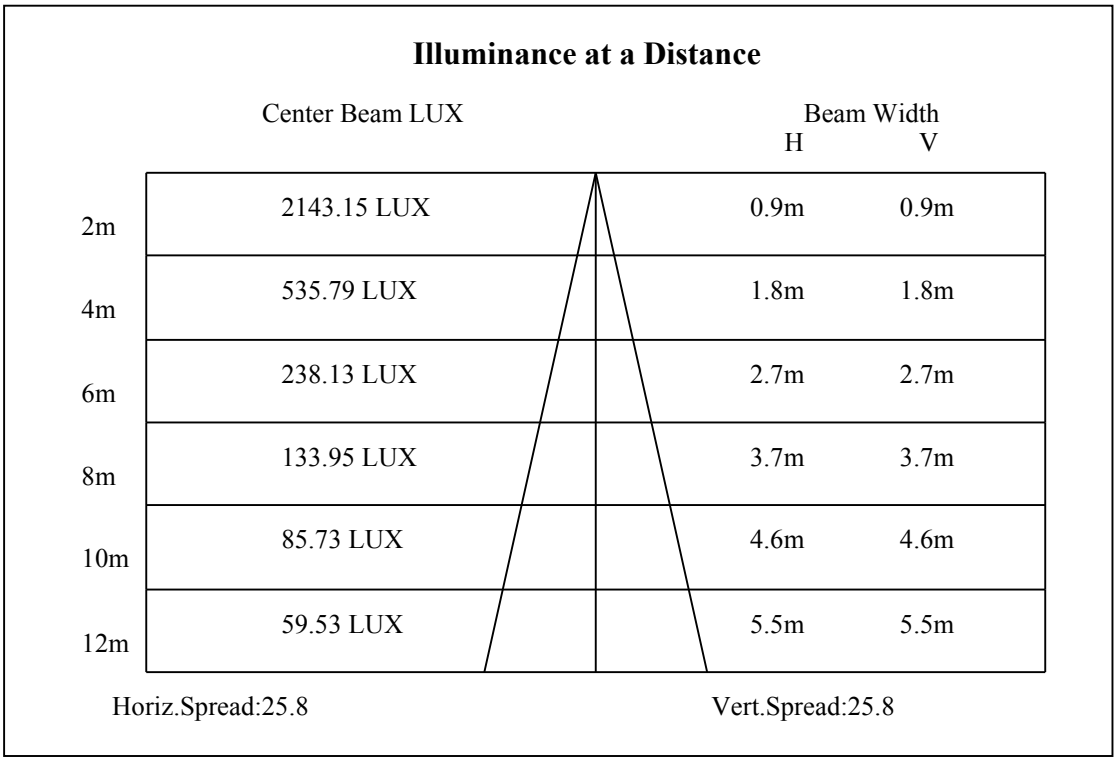
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.9 Right:30.9
:C90/270Left:30.9 Right:30.9

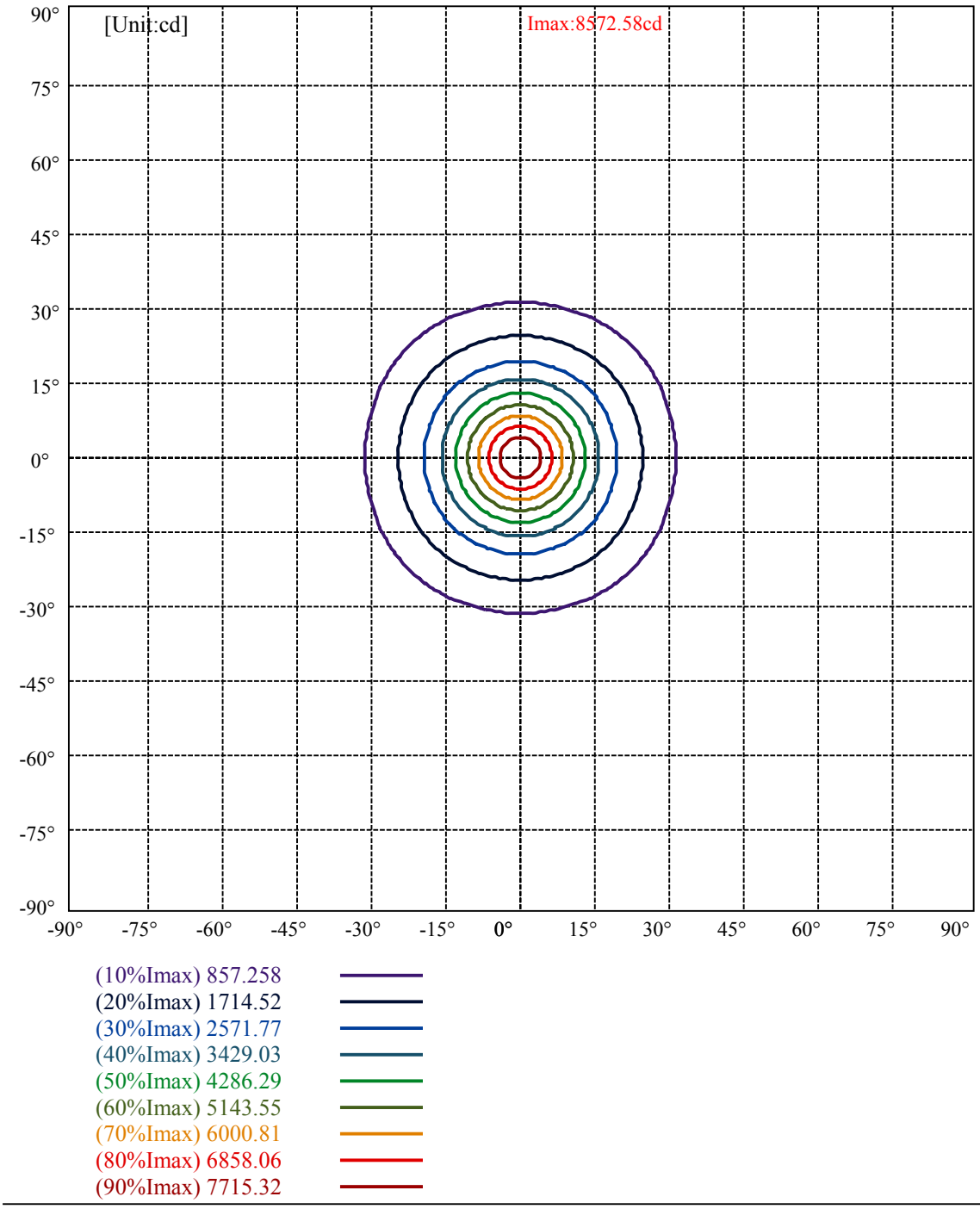
Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8
:C90/270Left:12.8 Right:12.8

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

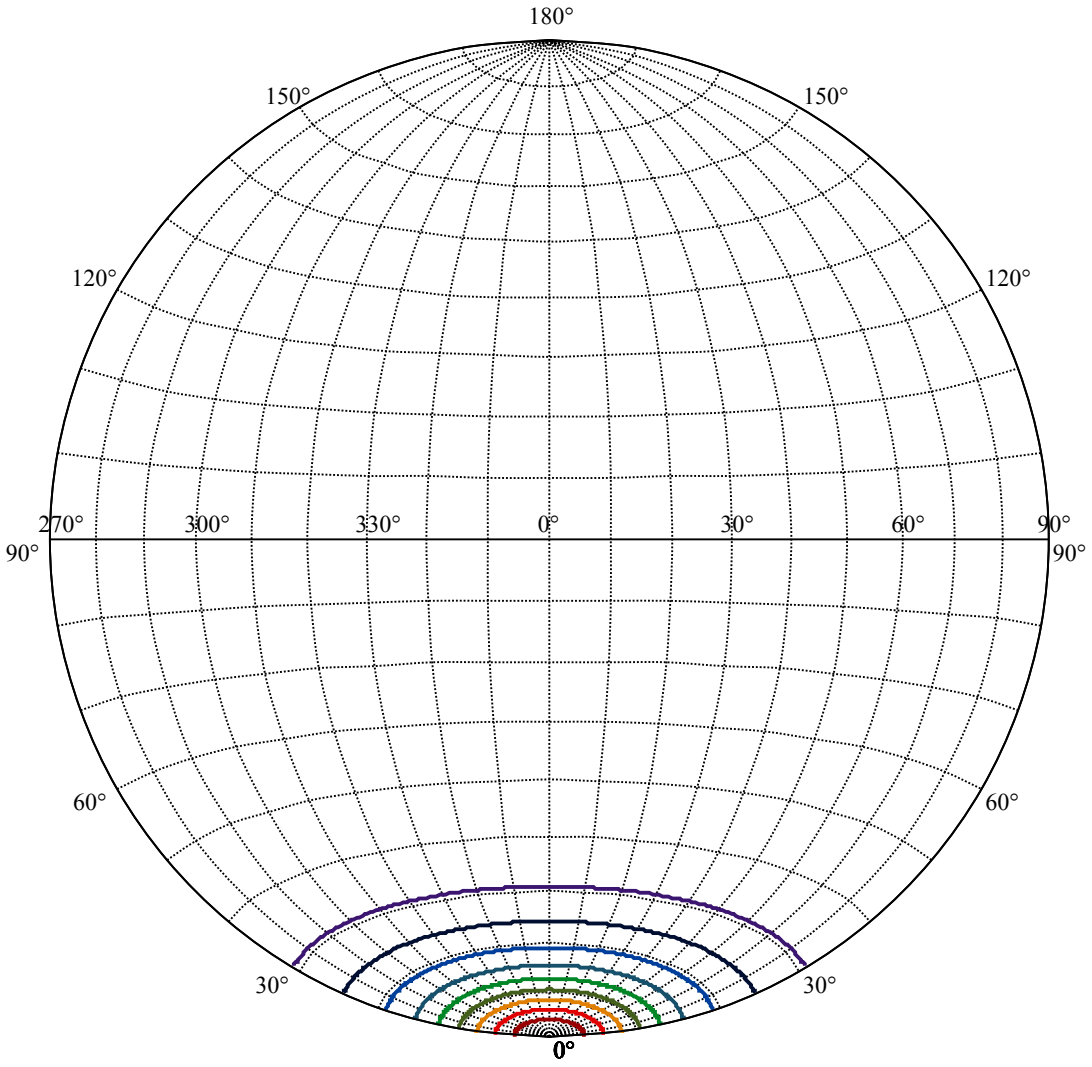


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:8572.58

(10%Imax) 857.258
(20%Imax) 1714.52
(30%Imax) 2571.77
(40%Imax) 3429.03
(50%Imax) 4286.29
(60%Imax) 5143.55
(70%Imax) 6000.81
(80%Imax) 6858.06
(90%Imax) 7715.32

Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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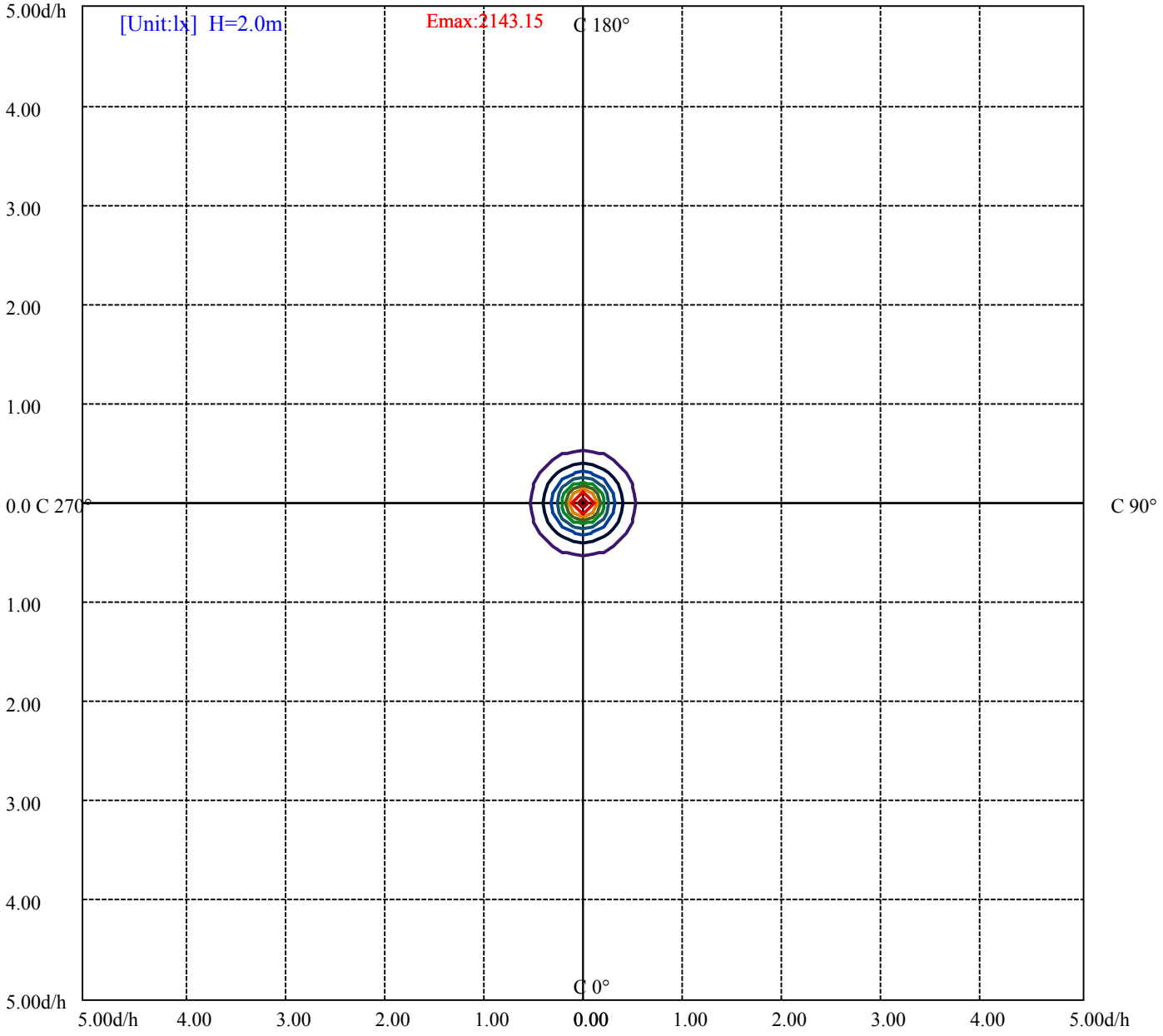
ISO illuminance diagram



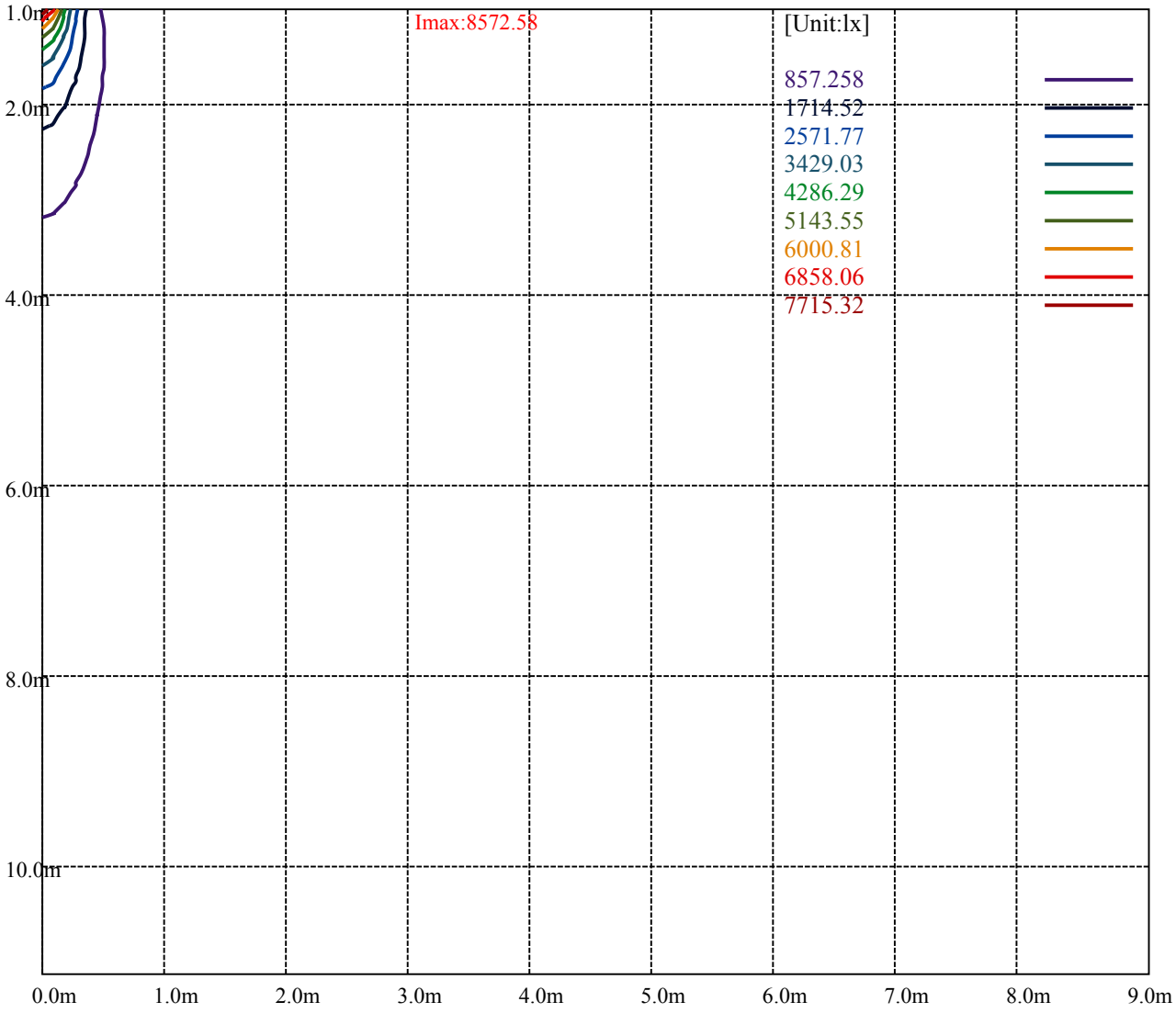
(10%Emax) 214.3143
(20%Emax) 428.6275
(30%Emax) 642.9425
(40%Emax) 857.2575
(50%Emax) 1071.573
(60%Emax) 1285.885
(70%Emax) 1500.2
(80%Emax) 1714.515
(90%Emax) 1928.828

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2679-L

Luminance Limitting Curve(no luminous side)

Luminance Table

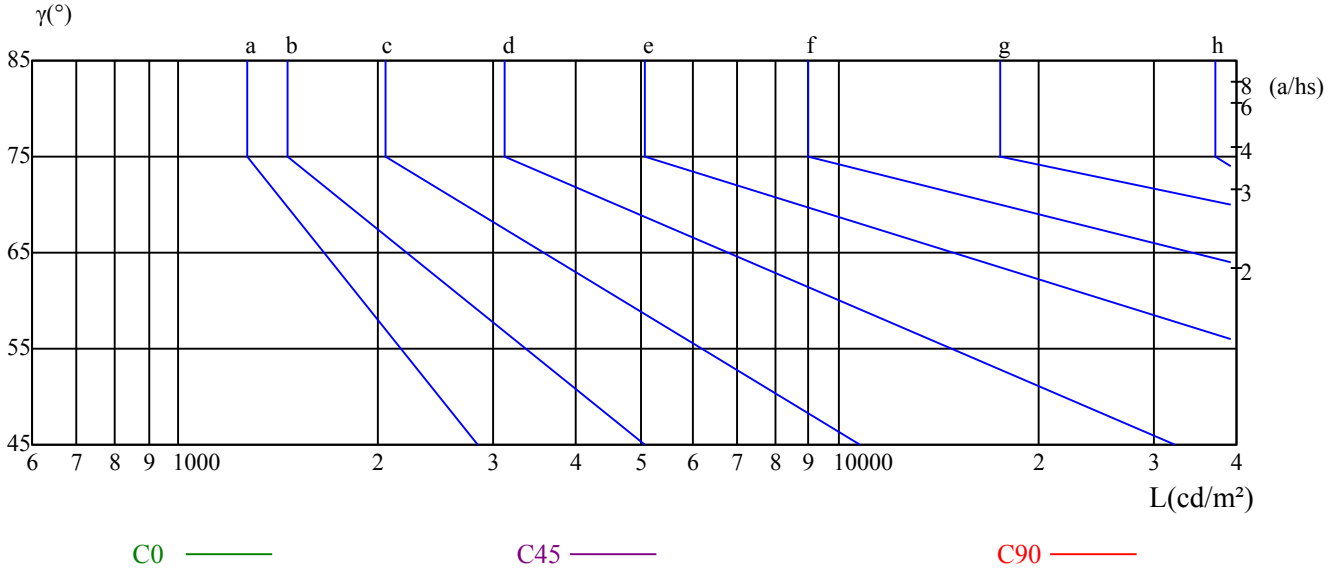
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

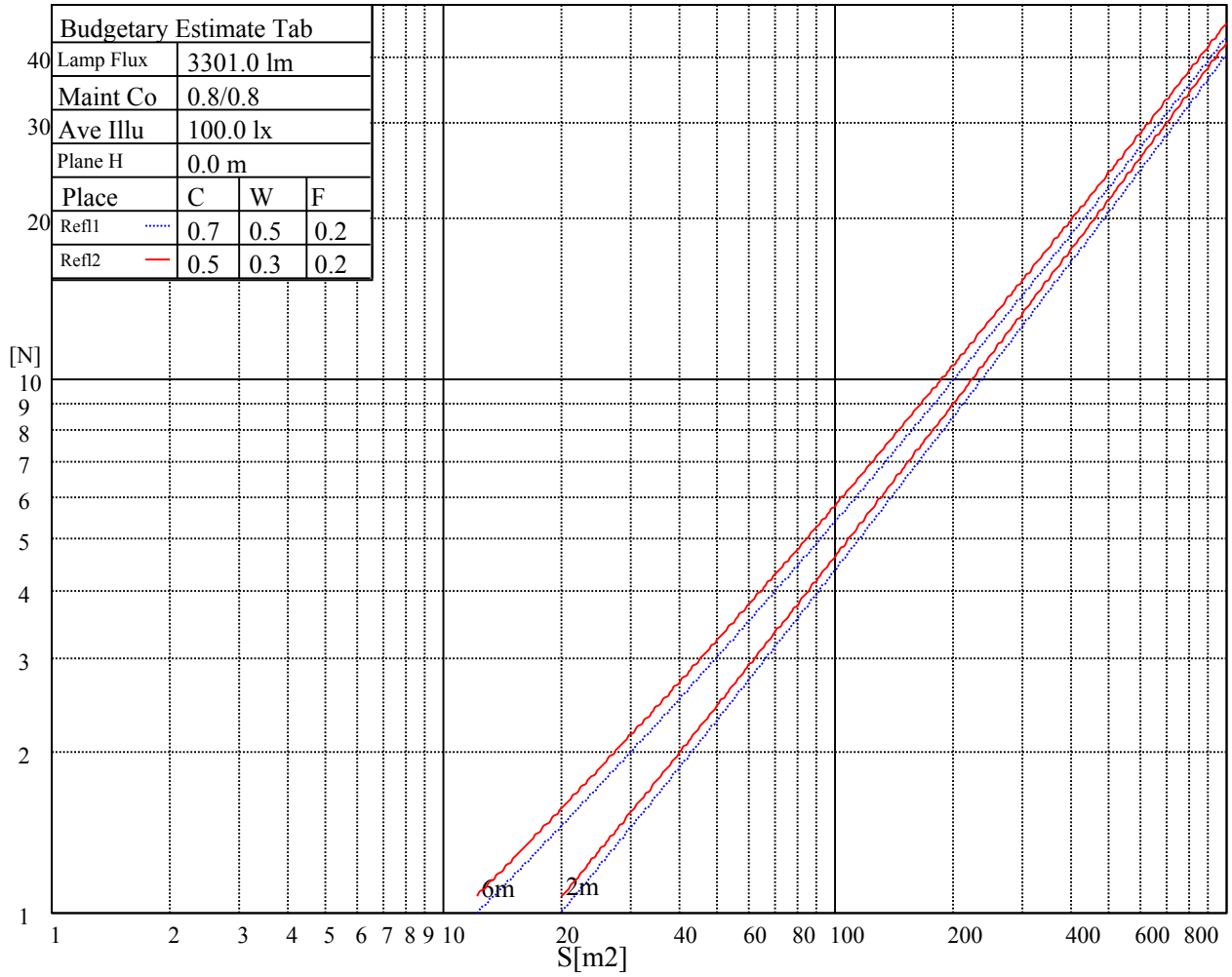
Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

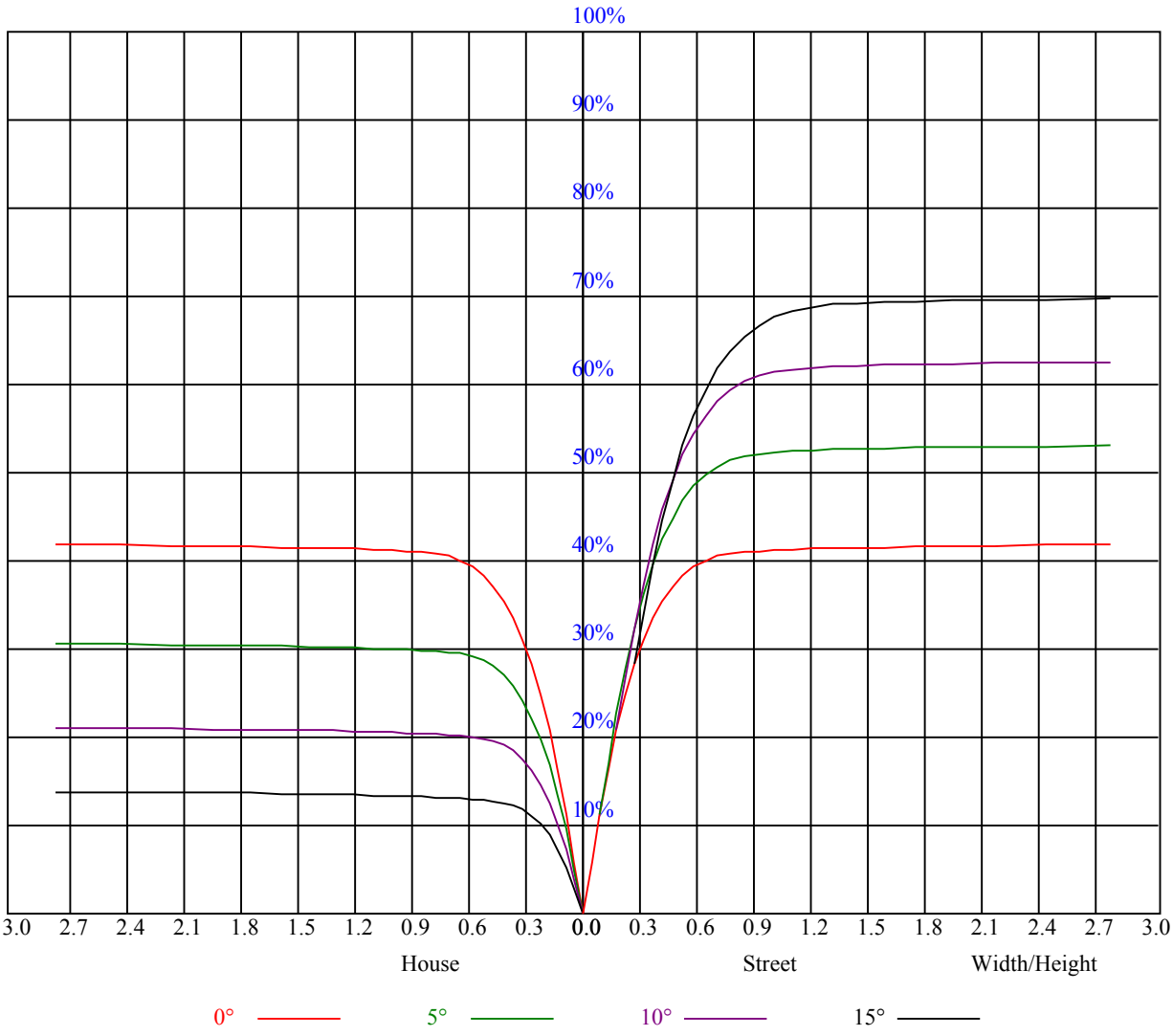


Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

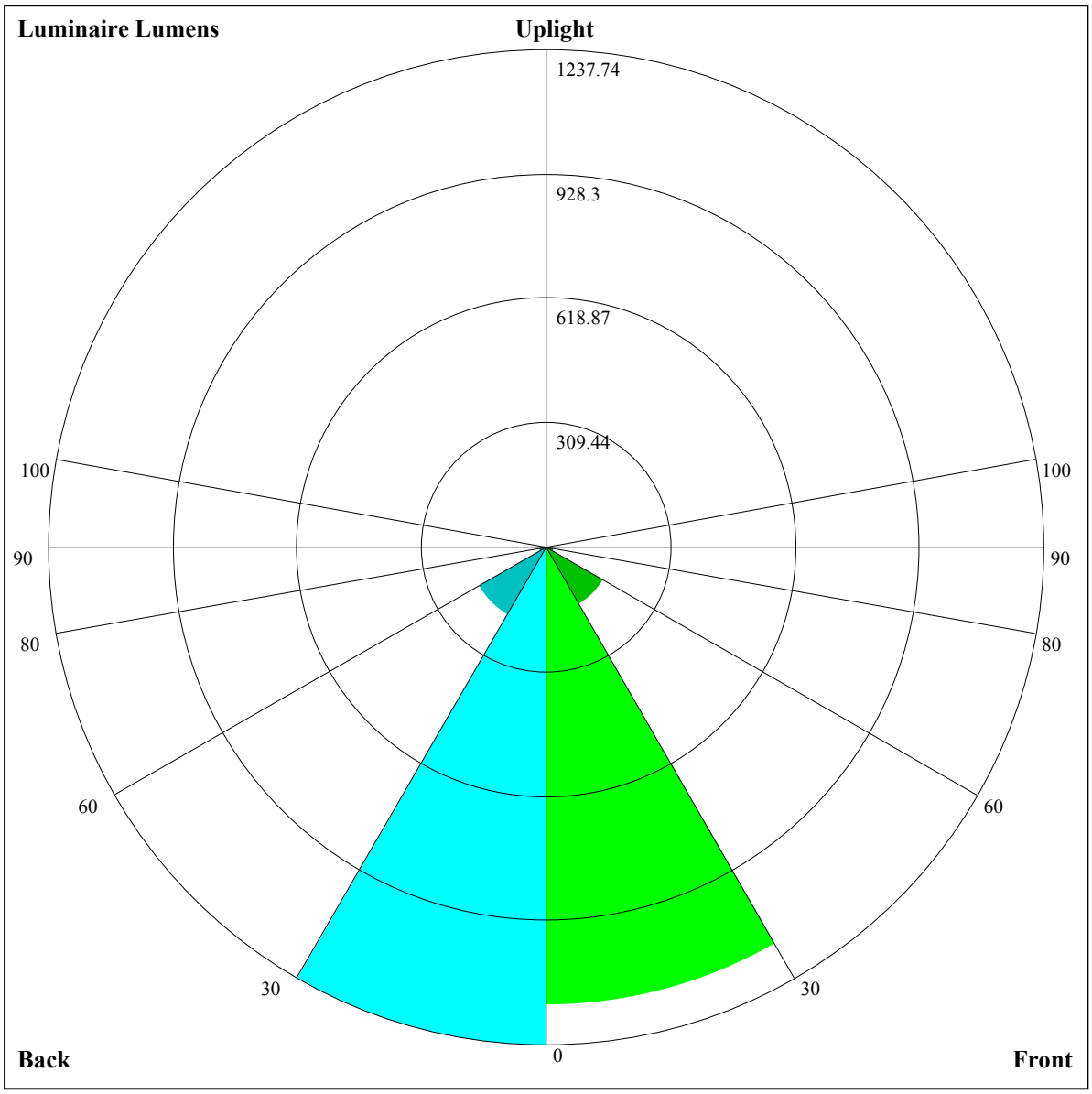
Utilization factor table for indoor luminaire

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	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.59
8	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1137.22,FM=163.58,FH=19.92,FVH=7.04
BL=1237.74,BM=193.13,BH=20.78,BVH=7.17
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	8360.58	8076.16	7761.31	7411.93	6925.03	6544.63	6067.09	5699.56	5336.14
45.0	8612.23	8554.88	8379.31	8103.67	7689.92	7320.05	6933.22	6456.85	6078.21
90.0	8661.97	8564.83	8277.48	7955.61	7595.11	7225.25	6740.09	6343.90	5959.40
135.0	8655.54	8670.75	8594.67	8426.71	8076.16	7720.93	7345.22	6862.99	6464.45
180.0	8360.58	8572.43	8611.64	8553.71	8405.65	8112.45	7802.86	7444.71	7057.87
225.0	8612.23	8542.59	8382.24	8142.29	7750.78	7393.79	7018.66	6621.88	6126.19
270.0	8661.97	8663.73	8524.45	8307.33	8006.52	7576.38	7214.71	6833.15	6326.34
315.0	8655.54	8494.01	8249.98	7846.17	7493.28	7114.05	6619.54	6221.59	5831.24
360.0	8360.58	8076.16	7761.31	7411.93	6925.03	6544.63	6067.09	5699.56	5336.14

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4880.84	4531.46	4200.80	3891.22	3533.65	3270.30	3031.52	2815.58	2579.73
45.0	5620.56	5261.82	4907.17	4563.06	4146.96	3838.55	3550.62	3277.90	2976.51
90.0	5581.93	5130.14	4778.42	4433.72	4031.09	3732.04	3445.28	3121.06	2889.90
135.0	6069.43	5688.45	5237.24	4880.84	4534.97	4130.58	3813.97	3525.45	3196.56
180.0	6565.11	6171.84	5683.76	5307.46	4944.62	4519.17	4196.71	3883.03	3588.07
225.0	5734.68	5363.06	4922.97	4580.03	4258.16	3873.08	3589.24	3332.91	3032.11
270.0	5934.83	5560.28	5199.20	4745.65	4406.22	4088.44	3793.49	3440.60	3188.36
315.0	5463.72	5006.66	4651.43	4317.26	3999.49	3639.57	3373.88	3131.01	2912.14
360.0	4880.84	4531.46	4200.80	3891.22	3533.65	3270.30	3031.52	2815.58	2579.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2402.41	2203.43	2054.78	1920.18	1790.26	1633.42	1508.77	1304.53	1146.16
45.0	2764.66	2570.95	2387.78	2178.85	2031.96	1852.88	1723.55	1592.46	1435.03
90.0	2627.13	2436.35	2259.61	2097.50	1910.23	1772.71	1638.10	1516.96	1145.64
135.0	2961.88	2747.10	2497.21	2317.55	2149.00	1996.26	1811.92	1677.31	1543.88
180.0	3268.54	3035.62	2811.48	2599.04	2372.56	2209.28	2041.91	1879.80	1742.86
225.0	2816.16	2616.01	2435.76	2228.01	2077.61	1937.74	1804.89	1649.22	1530.42
270.0	2965.39	2718.43	2529.99	2308.77	2160.12	2024.94	1884.48	1738.18	1608.84
315.0	2665.76	2483.75	2276.00	2126.77	1986.31	1824.20	1700.72	1581.92	1464.88
360.0	2402.41	2203.43	2054.78	1920.18	1790.26	1633.42	1508.77	1304.53	1146.16

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1117.14	995.76	851.15	736.97	628.71	529.34	422.24	345.11	276.93
45.0	1310.96	1190.99	1069.26	920.62	807.08	697.65	589.97	475.85	396.84
90.0	1145.64	1116.78	997.63	852.56	738.79	630.11	508.44	421.89	326.38
135.0	1417.47	1263.56	1141.83	993.77	877.90	762.02	628.59	530.86	443.66
180.0	1624.64	1469.56	1347.25	1196.84	1065.75	945.78	826.40	687.11	581.19
225.0	1317.40	1163.02	1132.88	986.05	868.83	751.84	645.27	520.27	434.47
270.0	1498.23	1378.26	1225.52	1111.40	988.50	838.10	722.81	611.62	495.74
315.0	1161.20	1161.20	1071.90	950.05	805.15	689.63	582.47	466.72	386.95
360.0	1117.14	995.76	851.15	736.97	628.71	529.34	422.24	345.11	276.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	206.64	161.70	125.88	94.22	76.37	63.50	52.44	46.17	41.55
45.0	323.69	307.30	232.63	150.23	112.54	90.71	71.28	60.34	52.38
90.0	260.95	206.76	161.23	118.86	94.57	76.84	63.67	52.61	46.35
135.0	366.41	297.35	297.35	172.00	134.95	100.60	81.11	66.54	54.37
180.0	487.55	406.20	315.49	299.69	299.69	153.80	113.12	89.83	69.35
225.0	356.93	289.16	218.17	171.41	134.25	104.93	79.42	65.14	53.26
270.0	409.72	317.84	300.86	300.86	153.74	112.54	89.13	72.16	59.87
315.0	316.14	239.94	189.67	148.71	109.03	86.55	70.34	56.36	48.75
360.0	206.64	161.70	125.88	94.22	76.37	63.50	52.44	46.17	41.55

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	38.04	34.65	32.60	30.96	29.61	28.50	27.92	27.56	27.51
45.0	46.53	41.14	37.81	35.17	33.01	30.96	29.73	28.85	28.21
90.0	41.73	37.51	34.82	32.77	30.72	29.44	28.44	27.62	27.27
135.0	47.58	41.55	37.98	35.11	32.30	30.61	29.26	28.27	27.51
180.0	58.23	50.56	43.66	39.74	36.75	34.29	31.89	30.37	29.14
225.0	46.82	42.08	37.75	35.05	32.89	30.78	29.44	28.44	27.74
270.0	49.80	44.18	40.03	36.81	33.71	31.84	30.26	28.91	28.15
315.0	43.31	39.21	35.35	33.01	31.13	29.67	28.32	27.62	27.21
360.0	38.04	34.65	32.60	30.96	29.61	28.50	27.92	27.56	27.51

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.74	28.03	28.62	29.20	29.38	29.20	28.56	27.39	25.98
45.0	27.80	27.68	27.86	28.21	28.56	29.14	29.26	29.03	28.38
90.0	27.10	27.21	27.56	27.92	28.44	28.85	28.91	28.62	27.74
135.0	26.98	26.74	26.86	27.10	27.68	28.21	28.73	28.97	28.68
180.0	28.21	27.51	27.21	27.15	27.45	27.92	28.38	28.97	29.32
225.0	27.33	27.33	27.51	27.97	28.62	29.20	29.61	29.50	28.91
270.0	27.68	27.56	27.68	28.15	28.73	29.32	29.67	29.61	29.03
315.0	27.10	27.39	27.86	28.38	28.91	29.20	29.09	28.50	27.39
360.0	27.74	28.03	28.62	29.20	29.38	29.20	28.56	27.39	25.98

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.88	22.18	20.83	19.78	18.73	18.14	17.85	17.73	17.38
45.0	26.80	25.40	23.82	22.18	20.60	19.72	19.25	19.20	18.79
90.0	26.10	24.52	22.36	20.89	19.78	18.67	18.08	17.62	17.15
135.0	27.68	26.22	24.76	22.59	21.01	19.78	18.79	17.97	17.44
180.0	29.20	28.32	27.04	25.57	23.29	21.65	20.37	19.37	18.43
225.0	27.39	25.81	24.05	22.30	20.54	19.55	19.02	18.90	19.31
270.0	27.92	26.45	24.81	22.53	21.01	19.84	18.73	18.08	17.56
315.0	25.87	23.76	21.95	20.54	19.20	18.32	17.73	17.15	16.74
360.0	23.88	22.18	20.83	19.78	18.73	18.14	17.85	17.73	17.38

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.85	16.56	16.15	15.68	15.33	15.04	14.69	14.22	13.87
45.0	17.67	16.97	16.56	16.33	16.04	15.74	15.45	15.10	14.75
90.0	16.74	16.44	16.21	15.92	15.68	15.27	14.98	14.63	14.34
135.0	17.03	16.62	16.39	16.04	15.86	15.57	15.27	14.86	14.51
180.0	18.08	18.02	18.02	17.97	17.67	17.67	17.26	16.68	15.74
225.0	19.37	18.32	17.21	16.62	16.15	15.80	15.45	15.16	14.81
270.0	17.15	16.80	16.44	16.27	16.09	15.86	15.51	15.04	14.75
315.0	16.39	16.09	15.86	15.63	15.33	14.98	14.75	14.40	14.10
360.0	16.85	16.56	16.15	15.68	15.33	15.04	14.69	14.22	13.87

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.58	13.34	13.05	12.87	12.47	12.23	12.00	11.94	11.88
45.0	14.34	13.93	13.58	13.17	12.82	12.47	12.23	12.00	11.82
90.0	14.05	13.69	13.40	13.05	12.64	12.41	12.23	12.06	11.88
135.0	14.16	13.81	13.46	13.23	12.93	12.70	12.52	12.29	12.11
180.0	15.22	14.51	14.10	13.81	13.46	13.23	12.76	12.52	12.23
225.0	14.46	14.10	13.81	13.34	12.99	12.70	12.35	12.11	12.00
270.0	14.40	14.05	13.69	13.46	13.17	12.93	12.41	12.17	11.94
315.0	13.75	13.46	13.23	13.05	12.93	12.47	12.23	12.06	11.94
360.0	13.58	13.34	13.05	12.87	12.47	12.23	12.00	11.94	11.88

Intensity data(cd)

C/γ(°)	90.0
0.0	11.88
45.0	11.88
90.0	11.88
135.0	11.94
180.0	12.11
225.0	11.88
270.0	11.82
315.0	11.94
360.0	11.88