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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.412.00
Report No: 2024226-B016
Ballast type: AC

Test No: 2024226-C016	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): 2725.44, Efficiency(%): 82.56% , Luminous Efficacy(lm/W): 0.00
Central intensity(cd): 6073.816, Maximum intensity(cd): 6073.816
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.2
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=65.0
[C90/270]Total=65.0
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.155%

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	6073.816	0.000	0	0.00%	0.00%
1.0	6061.600	5.807	5.807	0.18%	0.21%
2.0	6032.631	17.359	23.165	0.53%	0.85%
3.0	5984.130	28.740	51.906	0.87%	1.90%
4.0	5906.076	39.800	91.706	1.21%	3.36%
5.0	5812.074	50.411	142.117	1.53%	5.21%
6.0	5693.786	60.466	202.583	1.83%	7.43%
7.0	5552.454	69.805	272.388	2.11%	9.99%
8.0	5387.494	78.295	350.683	2.37%	12.87%
9.0	5201.392	85.817	436.501	2.60%	16.02%
10.0	5009.511	92.405	528.905	2.80%	19.41%
11.0	4801.830	98.035	626.941	2.97%	23.00%
12.0	4593.197	102.701	729.642	3.11%	26.77%
13.0	4350.402	106.138	835.78	3.22%	30.67%
14.0	4122.457	108.452	944.232	3.29%	34.65%
15.0	3893.268	110.043	1054.275	3.33%	38.68%
16.0	3654.130	110.590	1164.866	3.35%	42.74%
17.0	3402.703	109.894	1274.76	3.33%	46.77%
18.0	3161.517	108.230	1382.989	3.28%	50.74%
19.0	2939.351	106.143	1489.132	3.22%	54.64%
20.0	2698.897	103.196	1592.328	3.13%	58.42%
21.0	2461.222	99.085	1691.412	3.00%	62.06%
22.0	2241.105	94.495	1785.908	2.86%	65.53%
23.0	2027.644	89.570	1875.477	2.71%	68.81%
24.0	1803.203	83.756	1959.234	2.54%	71.89%
25.0	1594.021	77.245	2036.479	2.34%	74.72%
26.0	1429.866	71.379	2107.858	2.16%	77.34%
27.0	1278.175	66.253	2174.111	2.01%	79.77%
28.0	1143.157	61.303	2235.414	1.86%	82.02%
29.0	1019.872	56.591	2292.005	1.71%	84.10%
30.0	892.168	51.625	2343.63	1.56%	85.99%
31.0	769.476	46.241	2389.871	1.40%	87.69%
32.0	660.924	40.979	2430.85	1.24%	89.19%
33.0	559.475	35.953	2466.803	1.09%	90.51%
34.0	461.472	30.897	2497.7	0.94%	91.64%
35.0	386.724	26.342	2524.042	0.80%	92.61%
36.0	325.590	22.680	2546.722	0.69%	93.44%
37.0	268.655	19.381	2566.103	0.59%	94.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	219.928	16.308	2582.411	0.49%	94.75%
39.0	176.460	13.530	2595.941	0.41%	95.25%
40.0	137.257	10.941	2606.883	0.33%	95.65%
41.0	101.281	8.494	2615.377	0.26%	95.96%
42.0	80.264	6.596	2621.973	0.20%	96.20%
43.0	66.950	5.453	2627.426	0.17%	96.40%
44.0	56.716	4.667	2632.093	0.14%	96.57%
45.0	50.007	4.101	2636.195	0.12%	96.73%
46.0	44.733	3.705	2639.9	0.11%	96.86%
47.0	40.563	3.392	2643.292	0.10%	96.99%
48.0	37.498	3.156	2646.448	0.10%	97.10%
49.0	34.762	2.967	2649.415	0.09%	97.21%
50.0	32.546	2.806	2652.222	0.09%	97.31%
51.0	30.541	2.669	2654.891	0.08%	97.41%
52.0	28.903	2.551	2657.442	0.08%	97.51%
53.0	27.469	2.452	2659.894	0.07%	97.60%
54.0	26.123	2.362	2662.256	0.07%	97.68%
55.0	25.055	2.284	2664.541	0.07%	97.77%
56.0	24.104	2.221	2666.762	0.07%	97.85%
57.0	23.270	2.166	2668.928	0.07%	97.93%
58.0	22.517	2.117	2671.045	0.06%	98.00%
59.0	21.880	2.076	2673.121	0.06%	98.08%
60.0	21.324	2.041	2675.162	0.06%	98.16%
61.0	20.827	2.012	2677.173	0.06%	98.23%
62.0	20.388	1.986	2679.159	0.06%	98.30%
63.0	19.993	1.964	2681.123	0.06%	98.37%
64.0	19.598	1.943	2683.066	0.06%	98.45%
65.0	19.269	1.923	2684.989	0.06%	98.52%
66.0	19.049	1.912	2686.901	0.06%	98.59%
67.0	18.778	1.902	2688.803	0.06%	98.66%
68.0	18.457	1.886	2690.69	0.06%	98.72%
69.0	18.179	1.869	2692.558	0.06%	98.79%
70.0	18.076	1.862	2694.42	0.06%	98.86%
71.0	17.966	1.863	2696.283	0.06%	98.93%
72.0	17.425	1.840	2698.124	0.06%	99.00%
73.0	16.862	1.793	2699.917	0.05%	99.06%
74.0	16.635	1.761	2701.678	0.05%	99.13%
75.0	16.167	1.733	2703.411	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.743	1.694	2705.105	0.05%	99.25%
77.0	15.421	1.661	2706.766	0.05%	99.31%
78.0	15.033	1.630	2708.396	0.05%	99.37%
79.0	14.623	1.593	2709.99	0.05%	99.43%
80.0	14.206	1.554	2711.544	0.05%	99.49%
81.0	13.884	1.519	2713.063	0.05%	99.55%
82.0	13.519	1.486	2714.549	0.05%	99.60%
83.0	13.204	1.453	2716.002	0.04%	99.65%
84.0	12.941	1.424	2717.426	0.04%	99.71%
85.0	12.648	1.397	2718.823	0.04%	99.76%
86.0	12.348	1.366	2720.189	0.04%	99.81%
87.0	12.114	1.339	2721.528	0.04%	99.86%
88.0	11.946	1.318	2722.846	0.04%	99.90%
89.0	11.829	1.303	2724.149	0.04%	99.95%
90.0	11.726	1.291	2725.44	0.04%	100.00%

Zonal flux distribution table

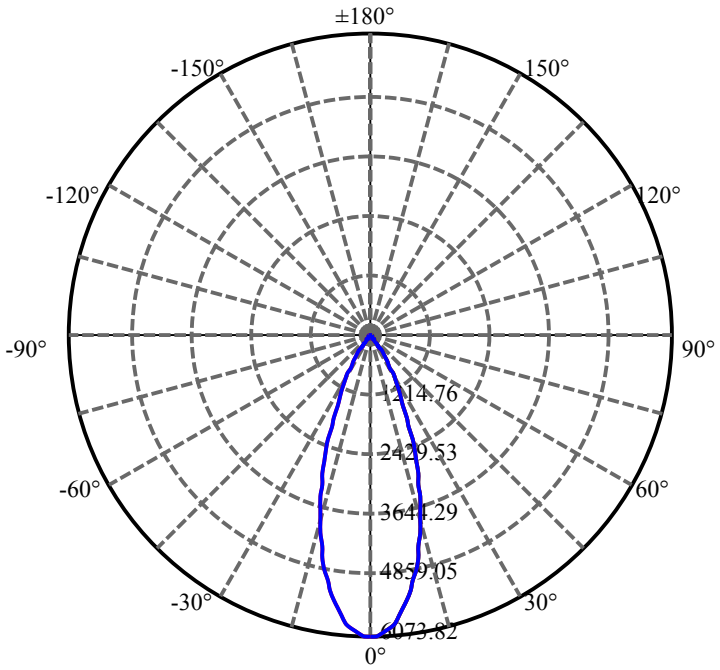
ZONAL LUMEN SUMMARY

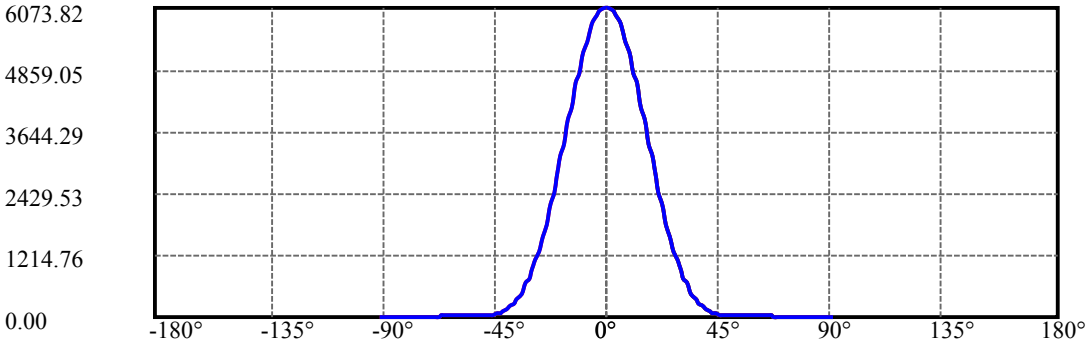
Zone	Lumens	%Lamp	%Fixt
0-30	2343.63	71.00%	85.99%
0-40	2606.88	78.97%	95.65%
0-60	2675.16	81.04%	98.16%
0-90	2724.15	82.52%	99.95%
0-120	2724.15	82.52%	99.95%
0-180	2725.44	82.56%	100.00%
60-90	48.99	1.48%	1.80%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.10	2180.35	66.05%	80.00%

ZONAL LUMEN SUMMARY

0-10	528.91
10-20	1063.42
20-30	751.30
30-40	263.25
40-50	45.34
50-60	22.94
60-70	19.26
70-80	17.12
80-90	12.60
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:

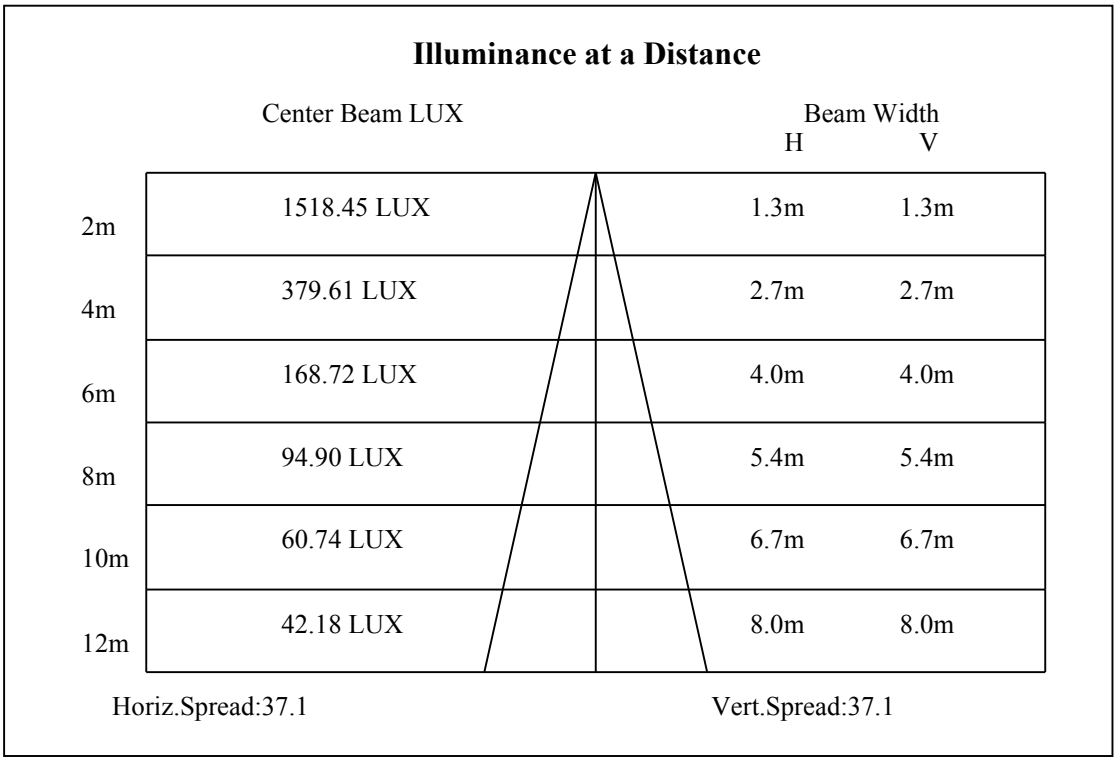
C90/C270:

Field angle(10%Imax):C0/180Left:32.5 Right:32.5
:C90/270Left:32.5 Right:32.5

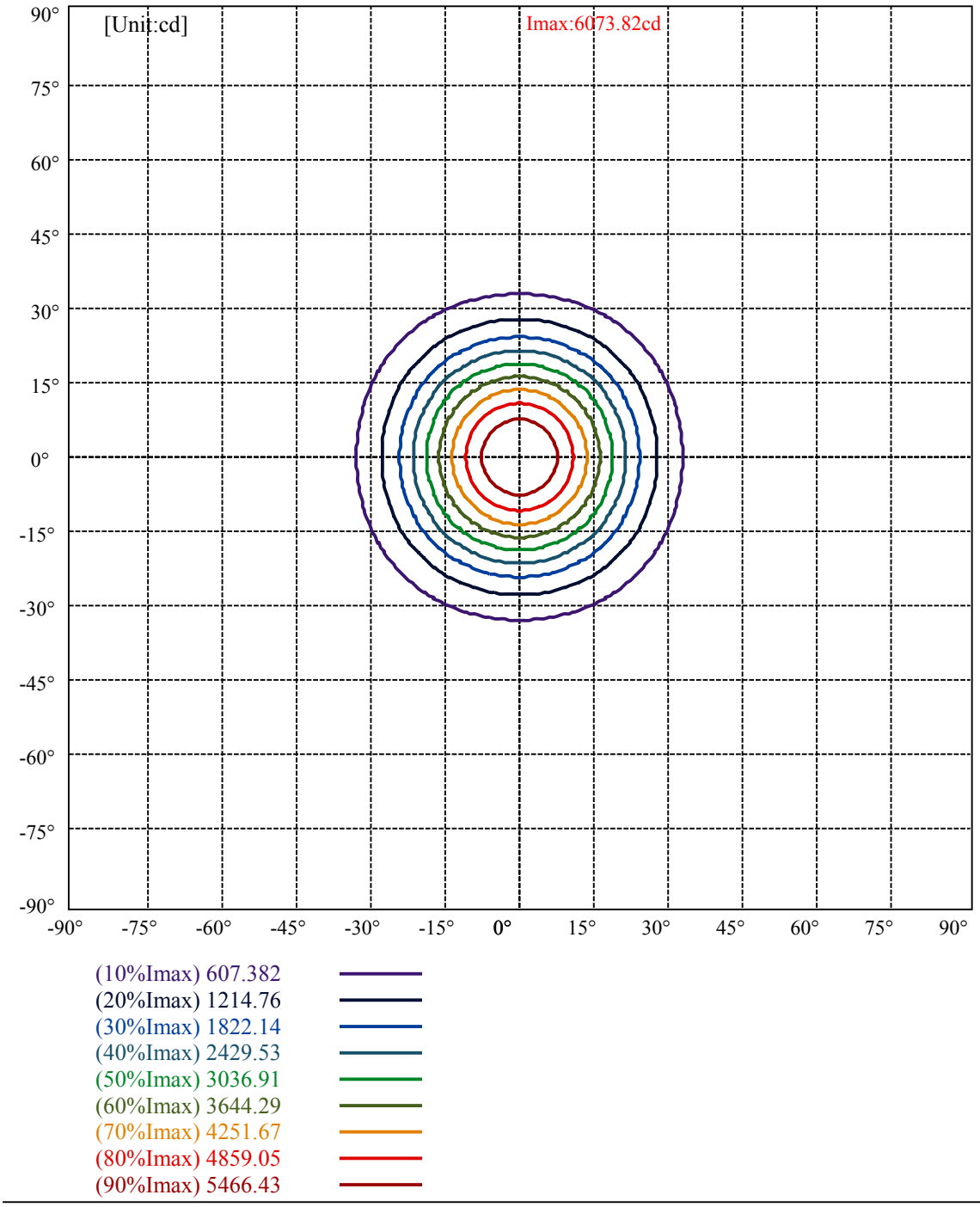
Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6

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

Lux distance Curve



ISO-Intensity(V-H)

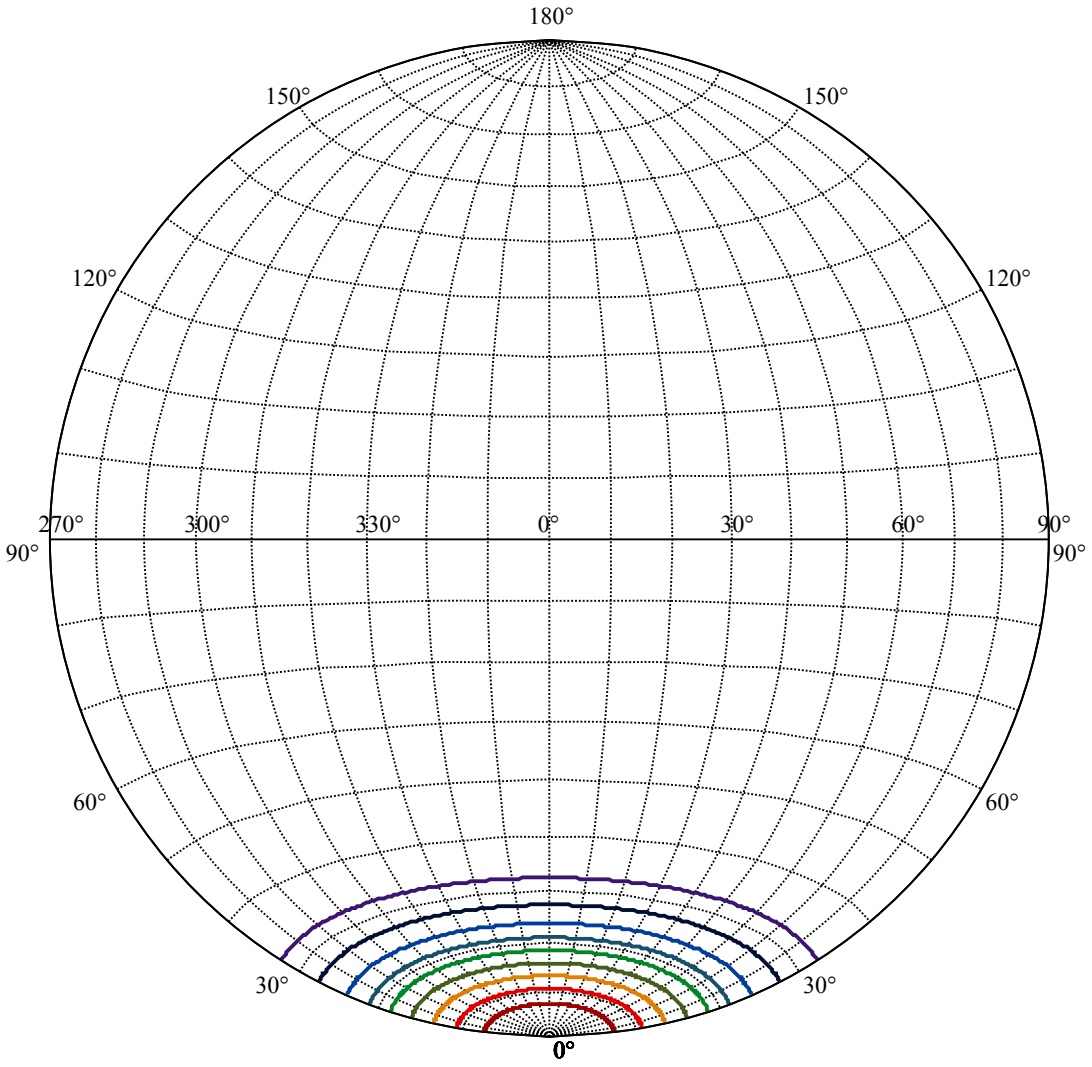


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:6073.82

(10%Imax) 607.382
(20%Imax) 1214.76
(30%Imax) 1822.14
(40%Imax) 2429.53
(50%Imax) 3036.91
(60%Imax) 3644.29
(70%Imax) 4251.67
(80%Imax) 4859.05
(90%Imax) 5466.43

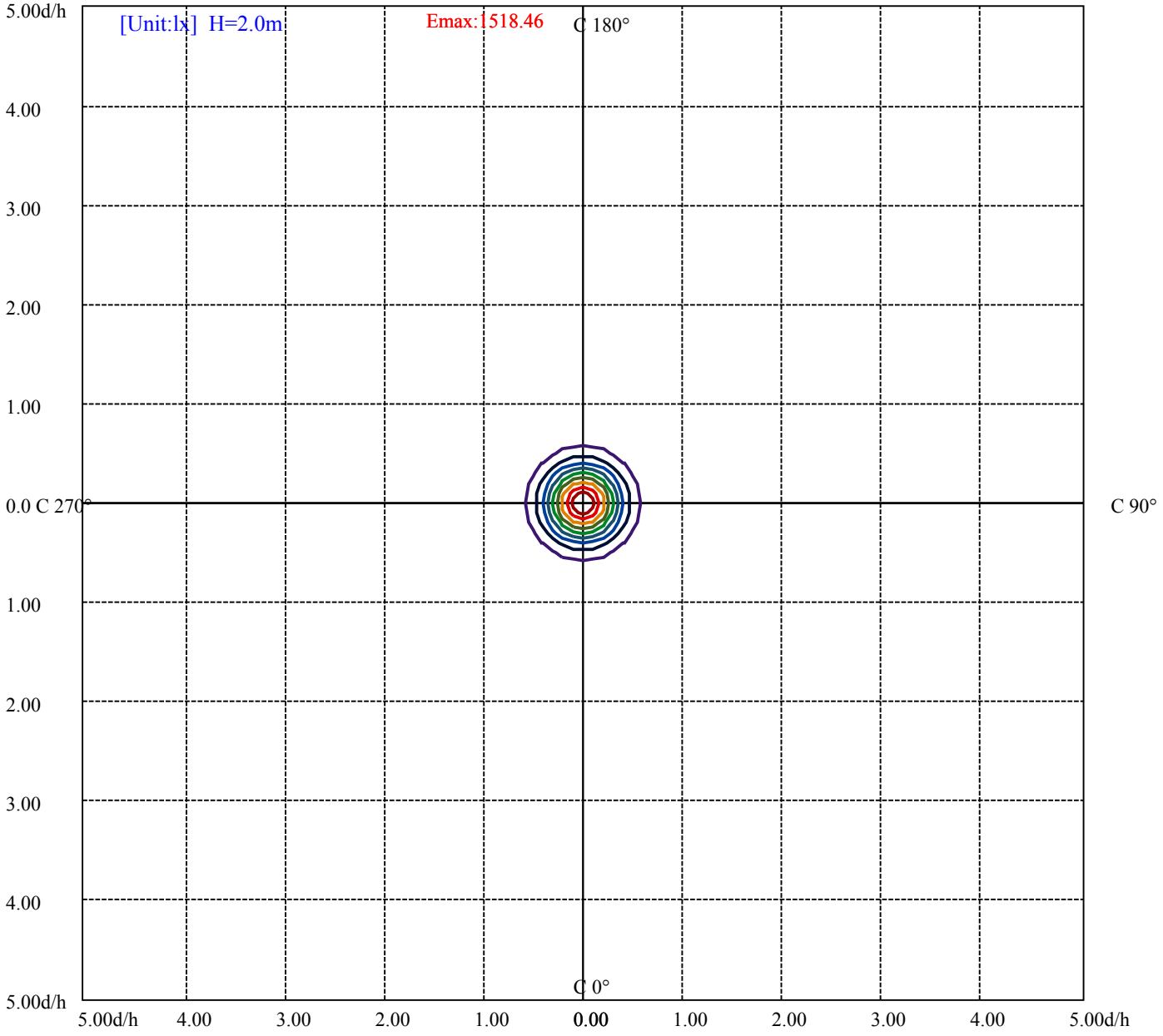
Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2780-L

ISO illuminance diagram

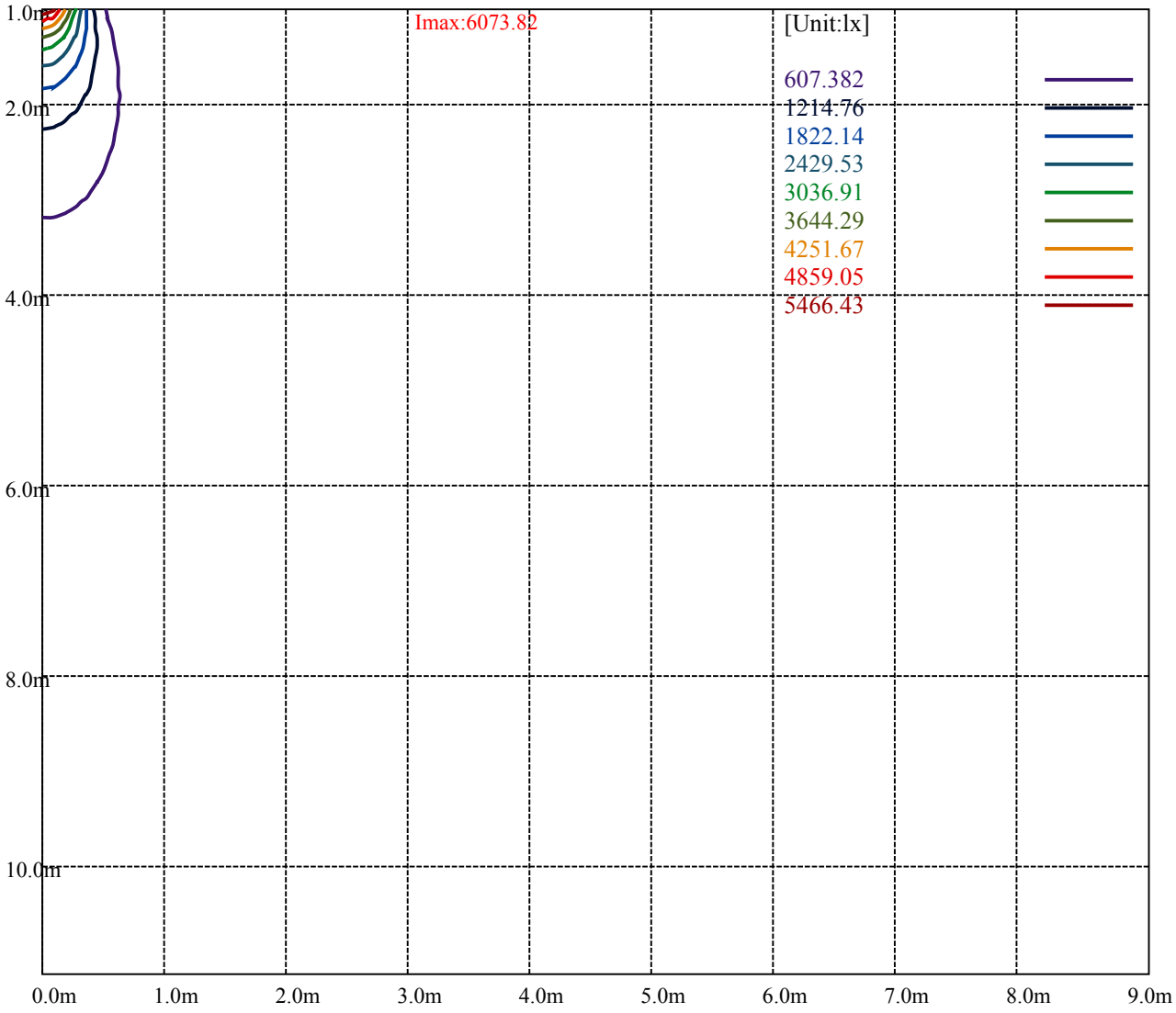


Equipment: GMS1980
Temperature(°C): 25.0

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 2-2780-L

Luminance Limitting Curve(no luminous side)

Luminance Table

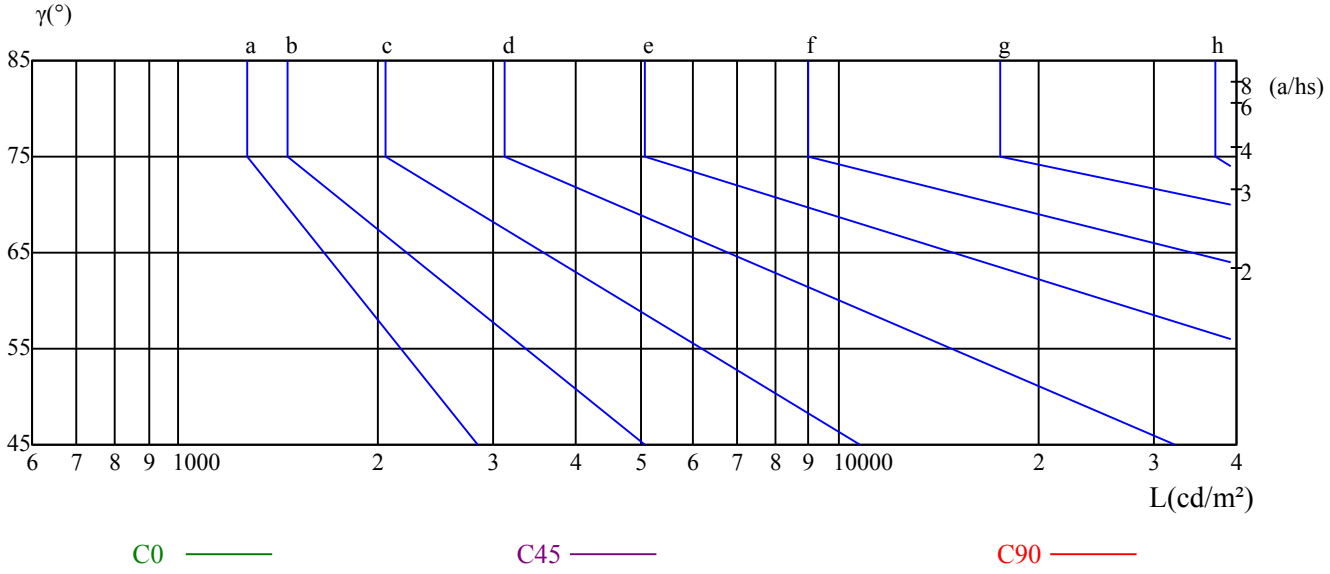
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

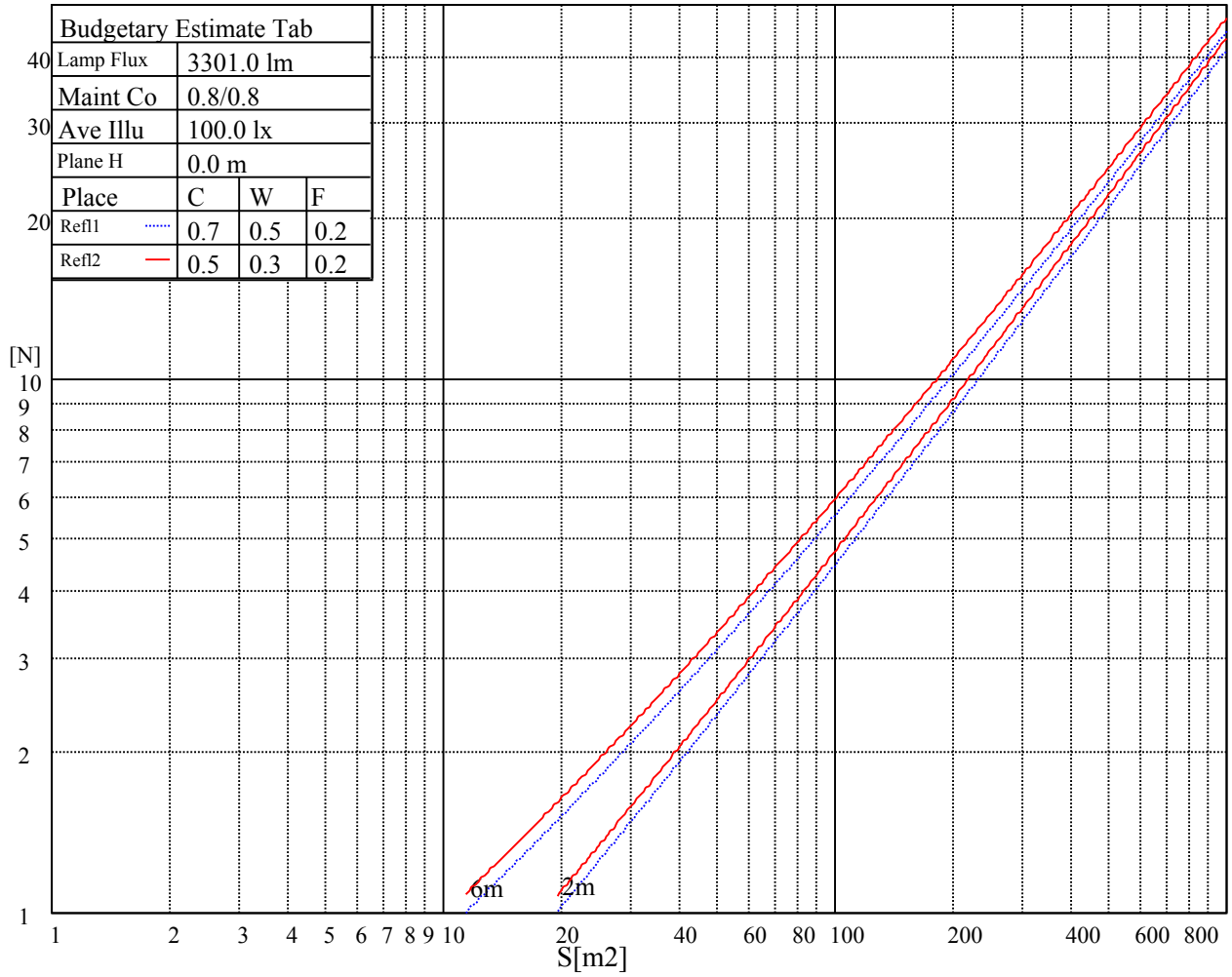
Date: 2024/2/26
Humidity(%): 60.0%

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

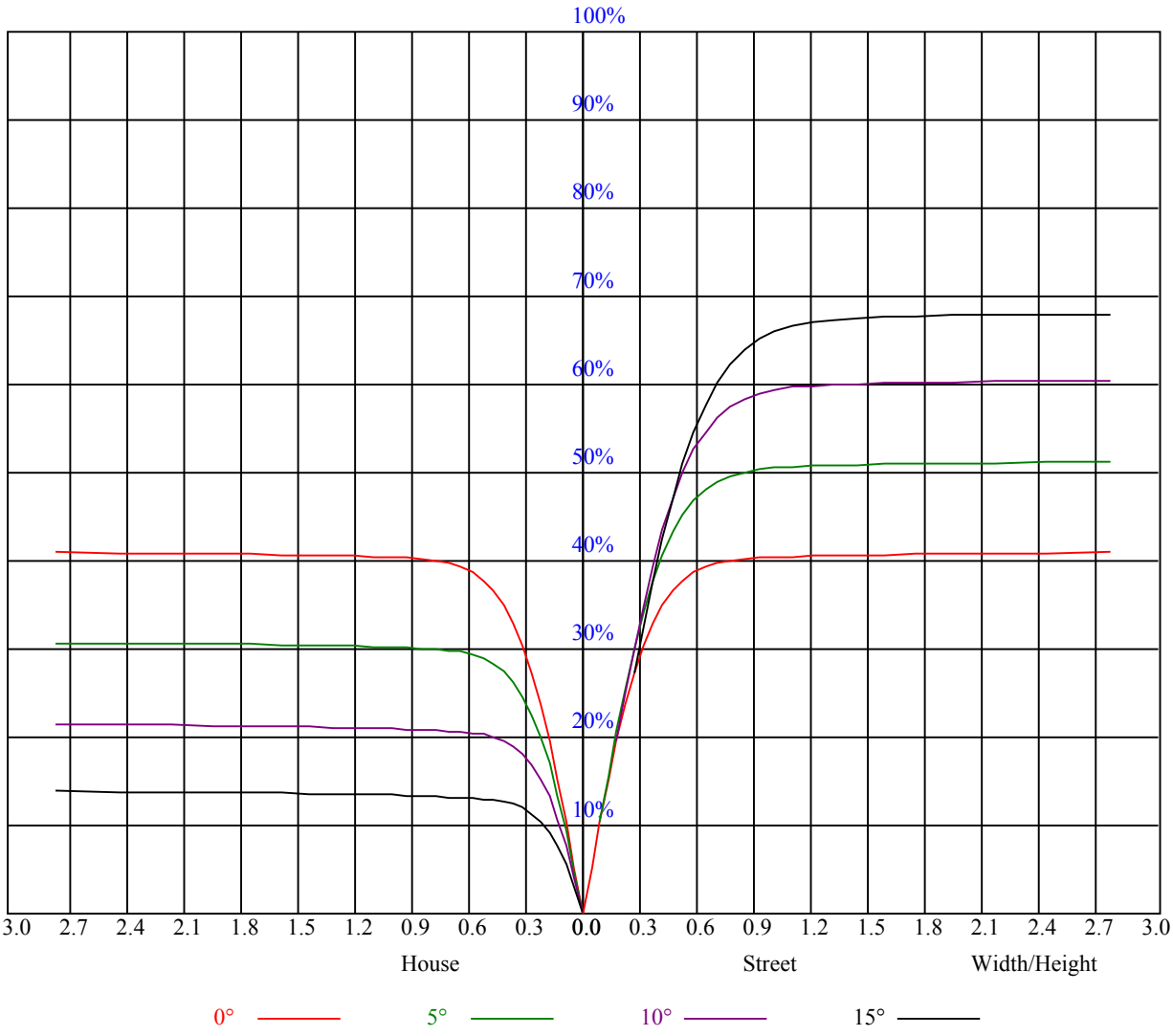


Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

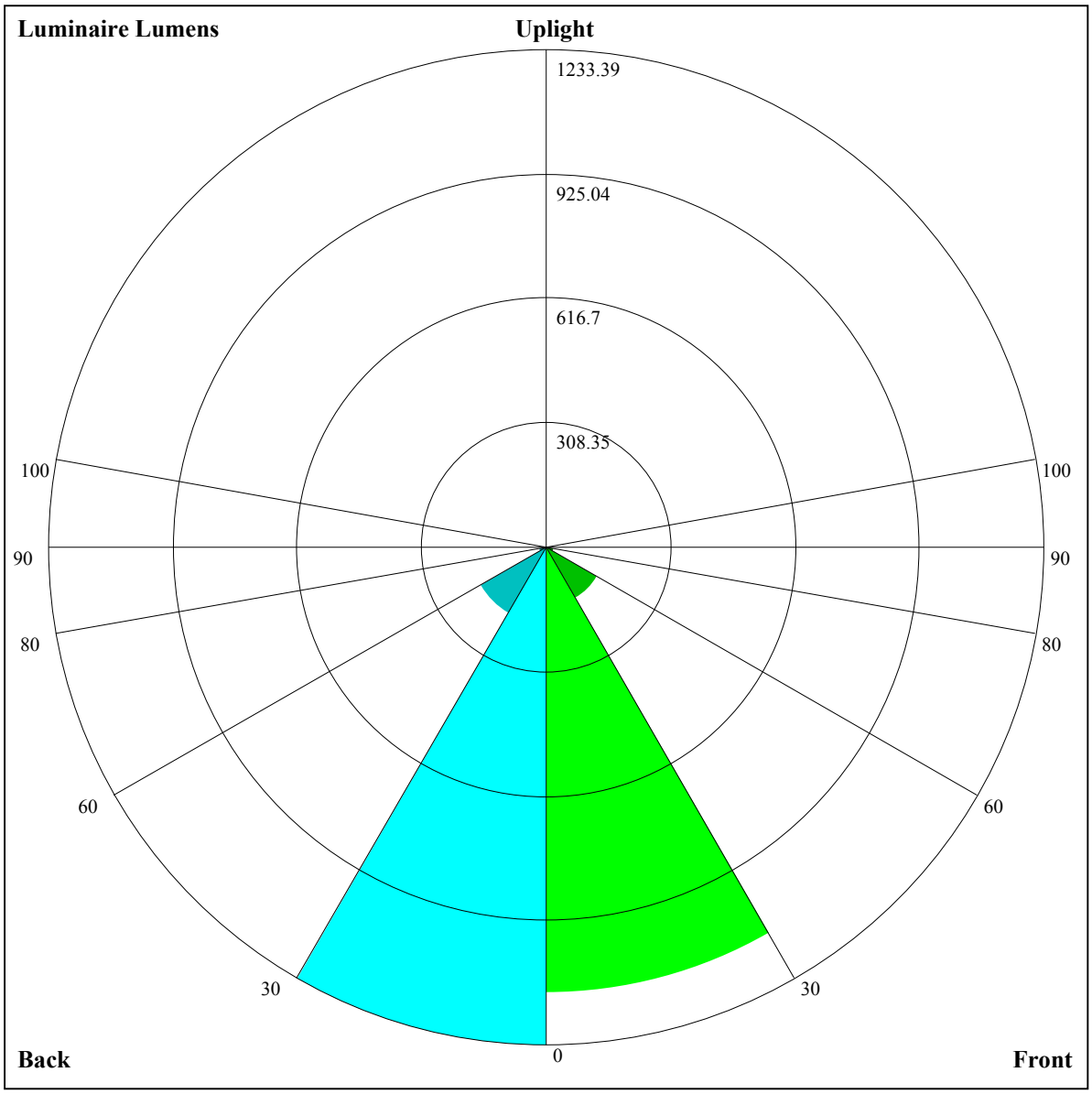
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.57
8	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.51	0.51

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=1106.09,FM=146.98,FH=18.14,FVH=6.87
BL=1233.39,BM=187.61,BH=18.15,BVH=7.04
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	6010.90	5950.04	5885.67	5781.50	5629.92	5489.47	5331.46	5112.00	4914.78
45.0	6086.40	6049.53	6003.88	5948.87	5848.80	5730.58	5567.89	5414.56	5247.19
90.0	6088.15	6046.02	5999.20	5924.88	5819.54	5682.01	5543.89	5394.08	5210.90
135.0	6109.81	6113.90	6089.91	6059.48	6002.71	5920.19	5821.29	5704.83	5531.02
180.0	6010.90	6072.35	6098.69	6097.52	6072.35	6041.92	5985.15	5903.22	5801.98
225.0	6086.40	6092.84	6072.94	6046.02	5989.84	5916.68	5813.10	5704.83	5534.53
270.0	6088.15	6098.10	6086.40	6051.29	6003.88	5947.70	5846.46	5730.58	5570.23
315.0	6109.81	6070.01	6024.36	5963.50	5881.57	5768.04	5641.04	5455.53	5289.32
360.0	6010.90	5950.04	5885.67	5781.50	5629.92	5489.47	5331.46	5112.00	4914.78

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4667.23	4458.30	4249.38	4029.92	3753.69	3528.97	3302.48	3076.59	2803.87
45.0	5016.61	4820.56	4614.56	4402.71	4134.09	3909.95	3677.03	3451.72	3175.49
90.0	4970.37	4765.55	4557.79	4345.94	4077.32	3851.42	3624.36	3341.69	3118.14
135.0	5384.13	5205.63	4970.37	4771.40	4503.36	4279.81	4050.99	3761.88	3535.99
180.0	5655.09	5487.71	5316.83	5135.41	4939.94	4691.22	4482.88	4259.91	3979.00
225.0	5385.88	5209.15	4968.62	4773.74	4519.17	4314.92	4094.88	3874.83	3593.93
270.0	5423.34	5261.82	5073.96	4831.09	4628.02	4423.77	4159.84	3933.94	3705.70
315.0	5108.49	4867.37	4663.13	4455.38	4247.62	3979.59	3753.69	3532.48	3309.51
360.0	4667.23	4458.30	4249.38	4029.92	3753.69	3528.97	3302.48	3076.59	2803.87

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2584.41	2370.80	2161.29	1919.01	1739.93	1534.52	1142.36	1142.36	1076.58
45.0	2953.10	2733.06	2463.86	2249.08	2049.52	1812.50	1638.69	1440.30	1292.24
90.0	2838.98	2618.36	2400.07	2191.73	1943.01	1758.66	1587.19	1166.70	1166.70
135.0	3314.77	3087.71	2806.80	2581.49	2365.54	2158.37	1909.65	1722.38	1551.49
180.0	3757.20	3531.89	3311.26	3091.22	2796.85	2570.95	2353.25	2098.09	1909.06
225.0	3369.78	3145.64	2923.84	2640.01	2426.99	2222.74	2027.86	1799.63	1630.50
270.0	3442.94	3222.89	2997.00	2702.63	2494.29	2290.04	2068.24	1847.03	1667.95
315.0	3030.94	2804.46	2527.06	2314.62	2112.72	1873.36	1698.38	1535.69	1144.41
360.0	2584.41	2370.80	2161.29	1919.01	1739.93	1534.52	1142.36	1142.36	1076.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	954.09	840.97	710.29	611.44	520.09	437.46	350.61	288.98	233.68
45.0	1151.78	1021.28	901.31	763.78	659.02	566.56	478.19	386.31	322.52
90.0	1096.89	969.43	850.86	741.30	613.43	518.68	417.50	348.27	285.12
135.0	1346.08	1197.43	1030.05	904.23	791.87	683.02	561.87	477.02	401.52
180.0	1688.43	1522.23	1368.31	1185.14	1049.95	921.79	802.40	666.63	570.07
225.0	1327.35	1150.49	1150.49	1022.62	871.63	760.97	657.38	537.53	454.13
270.0	1516.38	1363.63	1190.41	1067.51	942.86	792.45	692.38	570.65	478.77
315.0	1144.41	1079.80	957.25	841.32	706.95	606.47	515.47	416.39	347.97
360.0	954.09	840.97	710.29	611.44	520.09	437.46	350.61	288.98	233.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	187.51	141.80	113.48	88.02	73.09	62.15	54.43	47.34	43.19
45.0	307.30	237.60	157.31	125.30	96.21	79.47	64.49	56.24	50.10
90.0	217.94	174.69	138.87	105.11	85.50	71.10	60.75	51.79	46.64
135.0	332.47	300.86	300.86	160.35	127.29	97.15	80.12	67.36	56.53
180.0	485.21	409.72	326.61	295.60	295.60	166.32	123.66	99.08	77.43
225.0	380.10	313.68	239.65	190.20	149.06	116.81	88.72	73.09	62.15
270.0	406.20	335.98	303.21	303.21	161.70	128.11	96.15	78.42	65.31
315.0	287.99	234.91	179.43	143.91	109.61	89.13	73.80	62.27	52.38
360.0	187.51	141.80	113.48	88.02	73.09	62.15	54.43	47.34	43.19

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	39.74	36.87	33.94	31.95	30.20	28.38	27.10	26.04	24.87
45.0	45.47	40.91	37.98	35.46	33.30	31.43	29.44	28.09	26.92
90.0	42.66	39.44	36.11	33.88	31.49	29.85	28.38	26.80	25.75
135.0	50.33	44.54	40.91	37.92	34.59	32.48	30.55	28.97	27.27
180.0	65.60	57.24	49.69	45.24	41.61	38.62	35.46	33.30	31.31
225.0	52.96	47.70	42.66	39.50	36.87	34.00	32.07	30.31	28.79
270.0	56.47	48.69	44.18	40.56	36.93	34.47	31.95	30.20	28.68
315.0	46.82	42.49	39.03	35.46	33.12	31.13	29.38	27.51	26.16
360.0	39.74	36.87	33.94	31.95	30.20	28.38	27.10	26.04	24.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.05	23.35	22.53	22.00	21.54	21.01	20.66	20.25	19.90
45.0	25.63	24.76	23.76	23.12	22.53	21.83	21.36	20.89	20.60
90.0	24.81	23.76	23.00	22.36	21.77	21.19	20.78	20.42	20.07
135.0	25.98	24.99	23.99	22.94	22.24	21.59	21.01	20.37	20.01
180.0	29.32	27.92	26.69	25.57	24.40	23.58	22.88	22.24	21.54
225.0	27.45	25.98	24.99	24.11	23.12	22.47	21.83	21.19	20.72
270.0	26.98	25.81	24.87	23.94	23.00	22.36	21.71	21.24	20.66
315.0	24.76	23.88	23.00	22.12	21.54	21.01	20.37	20.01	19.61
360.0	24.05	23.35	22.53	22.00	21.54	21.01	20.66	20.25	19.90

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.49	19.14	18.73	18.38	17.91	17.56	17.26	16.80	16.56
45.0	20.19	19.84	19.72	20.42	20.89	20.89	21.01	22.71	23.99
90.0	19.66	19.31	19.02	18.61	18.26	17.97	17.67	17.38	17.21
135.0	19.61	19.25	18.96	18.61	18.32	17.97	17.62	17.21	16.91
180.0	21.07	20.54	20.13	19.84	19.43	19.08	18.73	18.38	18.02
225.0	20.37	19.96	19.61	19.25	18.84	18.49	18.14	17.85	17.44
270.0	20.25	19.90	19.49	19.14	18.79	18.32	17.97	17.67	17.26
315.0	19.31	18.84	18.49	18.14	17.79	17.38	17.03	16.62	16.33
360.0	19.49	19.14	18.73	18.38	17.91	17.56	17.26	16.80	16.56

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.27	15.98	15.68	15.27	14.98	14.69	14.40	13.93	13.58
45.0	21.95	19.66	19.96	18.73	17.62	17.44	16.39	15.51	14.46
90.0	16.91	16.68	16.44	16.15	15.68	15.33	15.04	14.63	14.22
135.0	16.56	16.27	15.92	15.57	15.27	14.92	14.69	14.40	14.10
180.0	17.67	17.26	16.97	16.56	16.21	15.92	15.57	15.27	14.86
225.0	17.09	16.74	16.44	16.09	15.74	15.39	15.10	14.75	14.46
270.0	16.91	16.62	16.33	15.92	15.63	15.27	14.98	14.63	14.34
315.0	16.04	15.68	15.33	15.04	14.81	14.40	14.10	13.87	13.64
360.0	16.27	15.98	15.68	15.27	14.98	14.69	14.40	13.93	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	12.99	12.70	12.52	12.17	11.94	11.70	11.76	11.76
45.0	13.81	13.34	12.99	12.70	12.47	12.06	11.88	11.70	11.65
90.0	13.87	13.52	13.05	12.70	12.35	12.06	11.94	11.70	11.65
135.0	13.81	13.46	13.23	13.05	12.70	12.41	12.23	12.06	11.88
180.0	14.63	14.28	13.93	13.64	13.28	12.99	12.64	12.35	12.17
225.0	14.22	13.81	13.52	13.11	12.87	12.52	12.23	12.06	11.94
270.0	14.10	13.75	13.40	13.23	12.87	12.64	12.29	12.06	11.88
315.0	13.34	12.99	12.82	12.58	12.47	12.17	12.00	11.88	11.70
360.0	13.28	12.99	12.70	12.52	12.17	11.94	11.70	11.76	11.76

Intensity data(cd)

C/γ(°)	90.0
0.0	11.70
45.0	11.65
90.0	11.65
135.0	11.70
180.0	11.94
225.0	11.76
270.0	11.70
315.0	11.70
360.0	11.70