NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2683-L
Luminaire: 92.70.412.00
Report No: 2024227-B005
Ballast type: AC

Test No: 2024227-C005	Voltage(V): 0.000
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.000
Lamp flux(lm): 3316.0	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): 2846.84, Efficiency(%): 85.85% , Luminous Efficacy(lm/W): 0.00
Central intensity(cd): 8831.397, Maximum intensity(cd): 8831.397
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.6
[C90/270]Total=26.6
Field angle(10%Imax): [C0/180]Total=59.6
[C90/270]Total=59.6
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
Maximum s/h(1/4): C0_180=0.48 C90_270=0.48
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.85%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.896%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8831.396	0.000	0	0.00%	0.00%
1.0	8794.161	8.433	8.433	0.25%	0.30%
2.0	8696.209	25.104	33.537	0.76%	1.18%
3.0	8536.809	41.216	74.753	1.24%	2.63%
4.0	8313.399	56.403	131.156	1.70%	4.61%
5.0	8006.888	70.209	201.365	2.12%	7.07%
6.0	7659.410	82.331	283.696	2.48%	9.97%
7.0	7270.821	92.672	376.367	2.79%	13.22%
8.0	6809.883	100.773	477.14	3.04%	16.76%
9.0	6344.190	106.607	583.747	3.21%	20.51%
10.0	5880.472	110.629	694.376	3.34%	24.39%
11.0	5417.779	112.893	807.268	3.40%	28.36%
12.0	4965.034	113.499	920.767	3.42%	32.34%
13.0	4527.286	112.650	1033.417	3.40%	36.30%
14.0	4096.195	110.380	1143.797	3.33%	40.18%
15.0	3725.528	107.380	1251.177	3.24%	43.95%
16.0	3367.809	103.937	1355.114	3.13%	47.60%
17.0	3055.884	100.034	1455.149	3.02%	51.11%
18.0	2774.391	96.129	1551.277	2.90%	54.49%
19.0	2544.909	92.545	1643.822	2.79%	57.74%
20.0	2314.770	88.946	1732.768	2.68%	60.87%
21.0	2125.742	85.267	1818.035	2.57%	63.86%
22.0	1953.466	81.973	1900.008	2.47%	66.74%
23.0	1790.335	78.555	1978.563	2.37%	69.50%
24.0	1614.365	74.439	2053.002	2.24%	72.12%
25.0	1487.854	70.538	2123.54	2.13%	74.59%
26.0	1348.124	66.944	2190.483	2.02%	76.94%
27.0	1233.735	63.166	2253.649	1.90%	79.16%
28.0	1095.534	58.972	2312.621	1.78%	81.23%
29.0	986.346	54.468	2367.089	1.64%	83.15%
30.0	861.378	49.888	2416.977	1.50%	84.90%
31.0	743.616	44.665	2461.642	1.35%	86.47%
32.0	633.982	39.467	2501.108	1.19%	87.86%
33.0	535.144	34.443	2535.551	1.04%	89.07%
34.0	449.614	29.802	2565.353	0.90%	90.11%
35.0	374.303	25.588	2590.941	0.77%	91.01%
36.0	322.620	22.190	2613.131	0.67%	91.79%
37.0	273.688	19.448	2632.579	0.59%	92.47%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	231.149	16.851	2649.43	0.51%	93.07%
39.0	202.488	14.801	2664.231	0.45%	93.59%
40.0	163.439	12.762	2676.993	0.38%	94.03%
41.0	134.989	10.627	2687.62	0.32%	94.41%
42.0	116.599	9.141	2696.761	0.28%	94.73%
43.0	100.161	8.029	2704.79	0.24%	95.01%
44.0	88.201	7.109	2711.9	0.21%	95.26%
45.0	78.618	6.411	2718.311	0.19%	95.49%
46.0	71.529	5.872	2724.183	0.18%	95.69%
47.0	66.408	5.486	2729.669	0.17%	95.88%
48.0	62.224	5.200	2734.869	0.16%	96.07%
49.0	59.196	4.986	2739.855	0.15%	96.24%
50.0	56.840	4.838	2744.693	0.15%	96.41%
51.0	54.740	4.721	2749.414	0.14%	96.58%
52.0	53.124	4.629	2754.042	0.14%	96.74%
53.0	51.500	4.551	2758.593	0.14%	96.90%
54.0	49.722	4.461	2763.055	0.13%	97.06%
55.0	47.820	4.354	2767.409	0.13%	97.21%
56.0	45.633	4.223	2771.632	0.13%	97.36%
57.0	43.563	4.078	2775.71	0.12%	97.50%
58.0	41.185	3.919	2779.629	0.12%	97.64%
59.0	38.874	3.743	2783.372	0.11%	97.77%
60.0	36.503	3.561	2786.933	0.11%	97.90%
61.0	34.375	3.382	2790.315	0.10%	98.01%
62.0	32.209	3.208	2793.524	0.10%	98.13%
63.0	30.359	3.043	2796.567	0.09%	98.23%
64.0	28.603	2.893	2799.46	0.09%	98.34%
65.0	26.898	2.747	2802.207	0.08%	98.43%
66.0	25.223	2.601	2804.807	0.08%	98.52%
67.0	23.797	2.465	2807.272	0.07%	98.61%
68.0	22.443	2.342	2809.614	0.07%	98.69%
69.0	21.302	2.232	2811.846	0.07%	98.77%
70.0	20.300	2.137	2813.983	0.06%	98.85%
71.0	19.466	2.055	2816.038	0.06%	98.92%
72.0	18.778	1.989	2818.027	0.06%	98.99%
73.0	18.186	1.933	2819.96	0.06%	99.06%
74.0	17.652	1.884	2821.844	0.06%	99.12%
75.0	17.184	1.841	2823.684	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.723	1.800	2825.484	0.05%	99.25%
77.0	16.277	1.759	2827.243	0.05%	99.31%
78.0	15.867	1.721	2828.964	0.05%	99.37%
79.0	15.428	1.681	2830.646	0.05%	99.43%
80.0	15.011	1.641	2832.287	0.05%	99.49%
81.0	14.623	1.603	2833.889	0.05%	99.55%
82.0	14.228	1.565	2835.454	0.05%	99.60%
83.0	13.884	1.528	2836.982	0.05%	99.65%
84.0	13.533	1.494	2838.476	0.05%	99.71%
85.0	13.241	1.461	2839.937	0.04%	99.76%
86.0	12.919	1.430	2841.367	0.04%	99.81%
87.0	12.677	1.401	2842.768	0.04%	99.86%
88.0	12.429	1.375	2844.143	0.04%	99.91%
89.0	12.275	1.354	2845.497	0.04%	99.95%
90.0	12.180	1.341	2846.838	0.04%	100.00%

Zonal flux distribution table

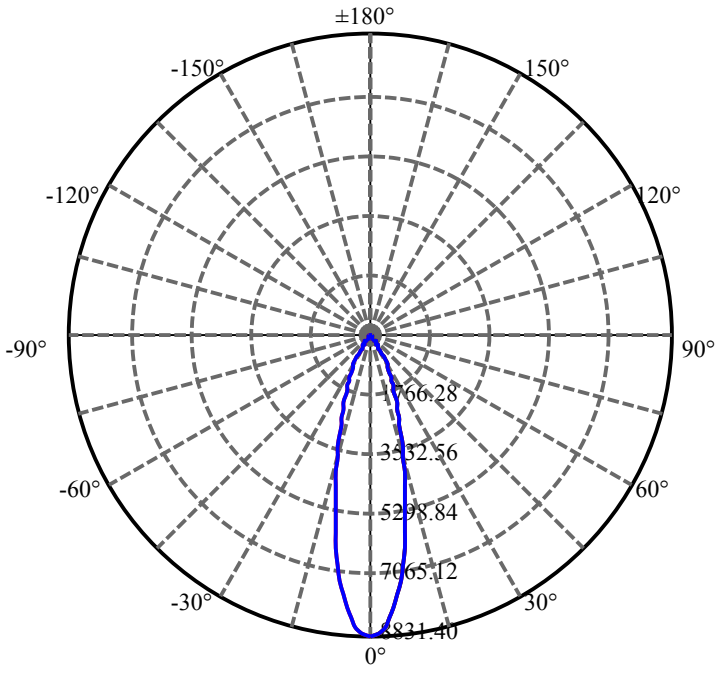
ZONAL LUMEN SUMMARY

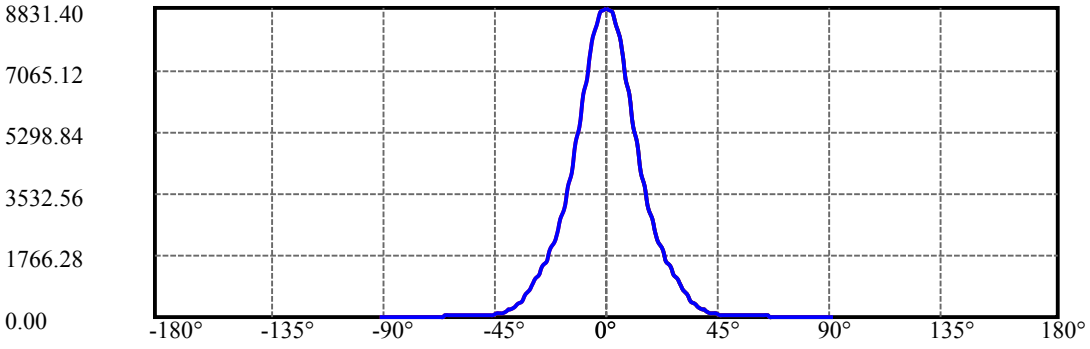
Zone	Lumens	%Lamp	%Fixt
0-30	2416.98	72.89%	84.90%
0-40	2676.99	80.73%	94.03%
0-60	2786.93	84.05%	97.90%
0-90	2845.50	85.81%	99.95%
0-120	2845.50	85.81%	99.95%
0-180	2846.84	85.85%	100.00%
60-90	58.56	1.77%	2.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.40	2277.47	68.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	694.38
10-20	1038.39
20-30	684.21
30-40	260.02
40-50	67.70
50-60	42.24
60-70	27.05
70-80	18.30
80-90	13.21
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):

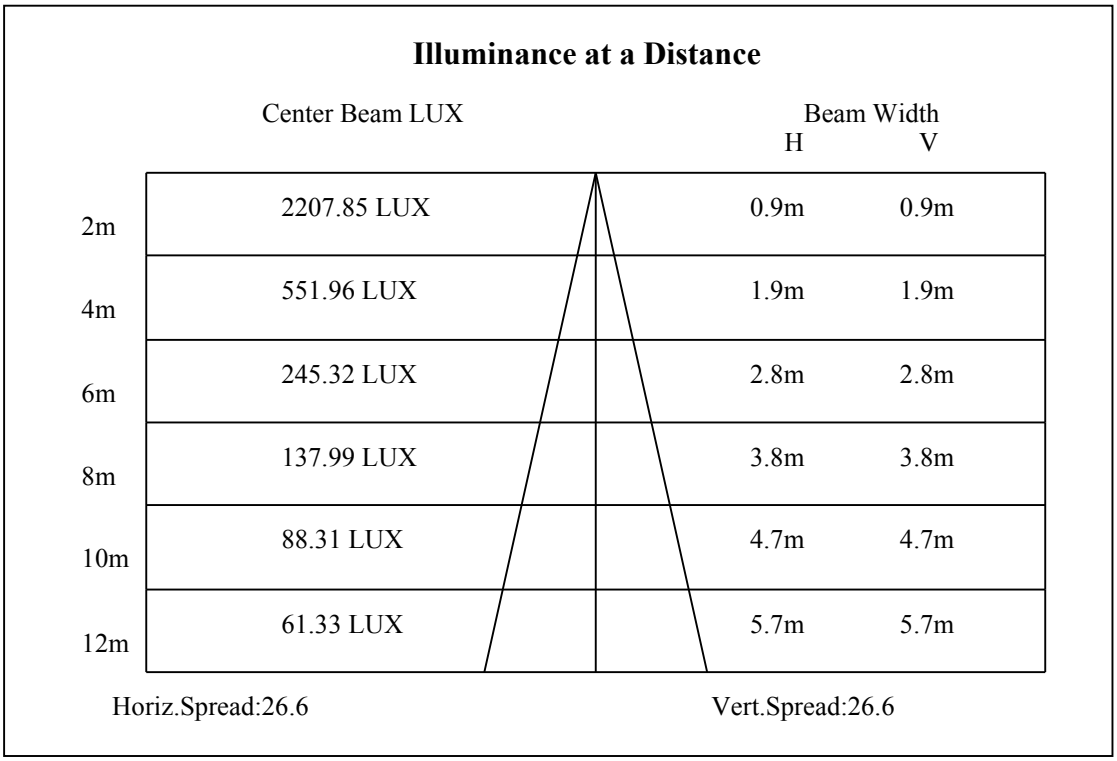
C0/C180:

C90/C270:

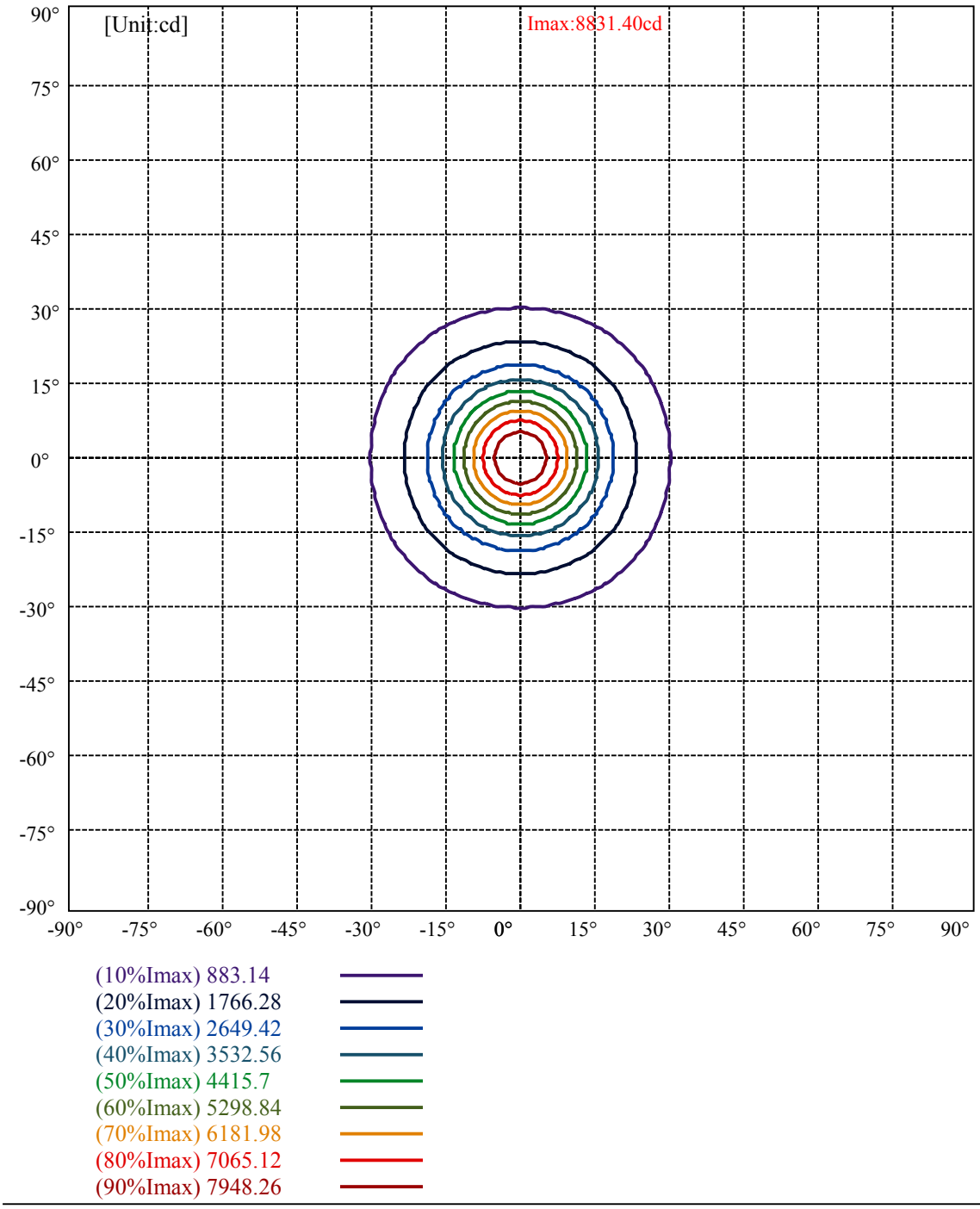
Field angle(10%Imax):C0/180Left:29.8 Right:29.8
:C90/270Left:29.8 Right:29.8

Beam Angle(50%Imax):C0/180Left:13.3 Right:13.3
:C90/270Left:13.3 Right:13.3

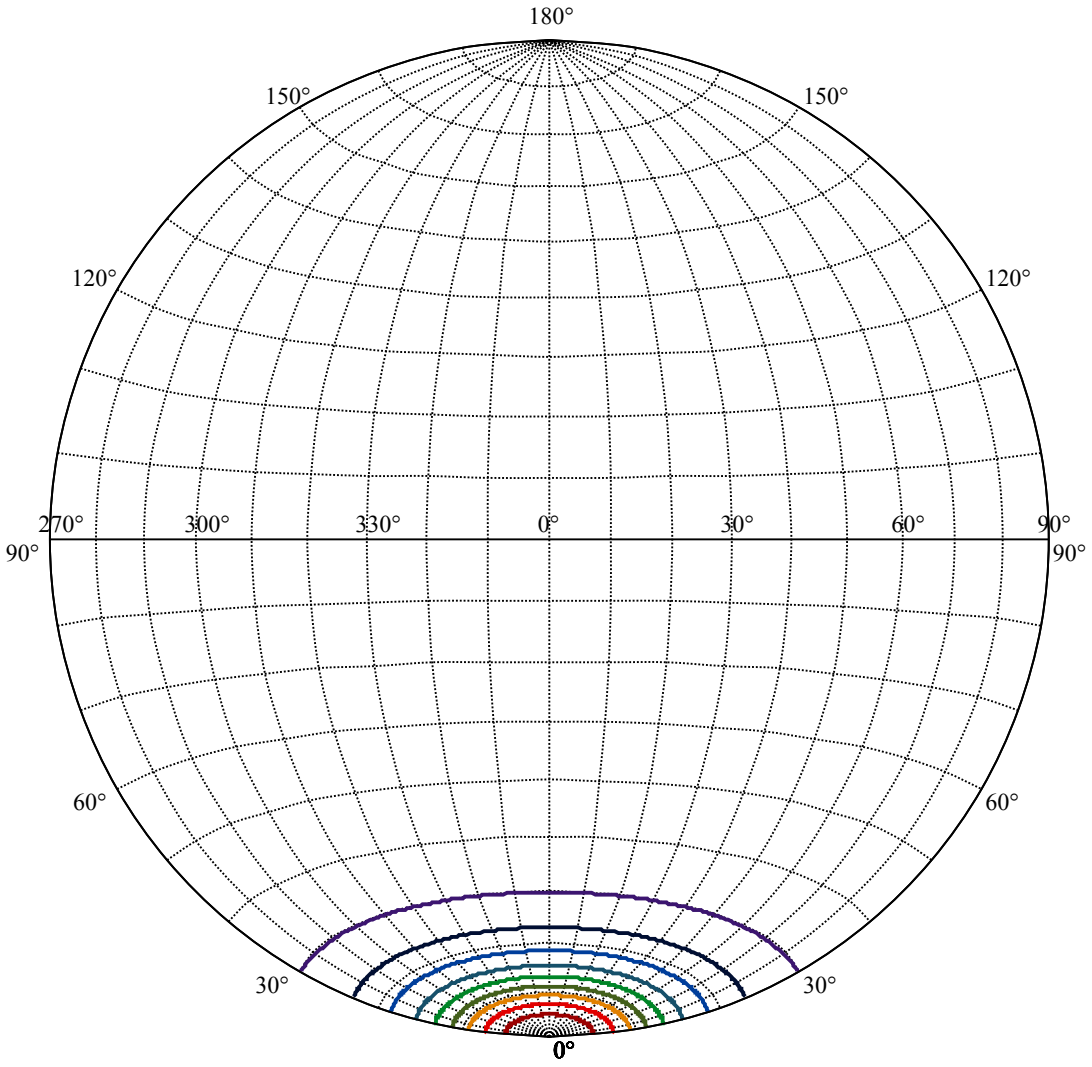
Lux distance Curve



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


[Unit:cd]
Imax:8831.40cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 883.14
(20%Imax) 1766.28
(30%Imax) 2649.42
(40%Imax) 3532.56
(50%Imax) 4415.7
(60%Imax) 5298.84
(70%Imax) 6181.98
(80%Imax) 7065.12
(90%Imax) 7948.26

ISO candela diagram on circular web



House [Unit:cd] Road

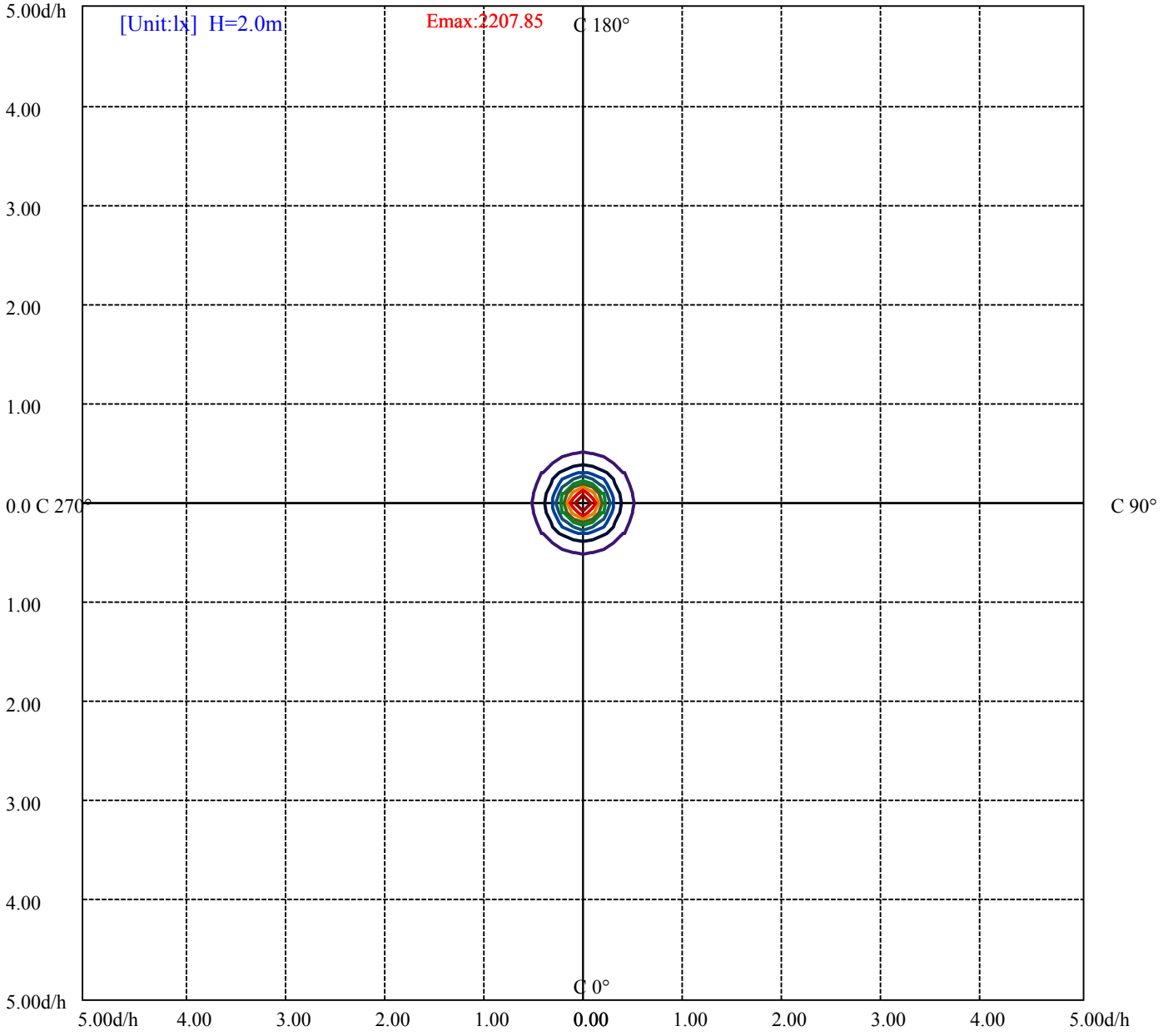
Imax:8831.40

(10%Imax) 883.14
(20%Imax) 1766.28
(30%Imax) 2649.42
(40%Imax) 3532.56
(50%Imax) 4415.7
(60%Imax) 5298.84
(70%Imax) 6181.98
(80%Imax) 7065.12
(90%Imax) 7948.26

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

NT 2-2683-L

ISO illuminance diagram



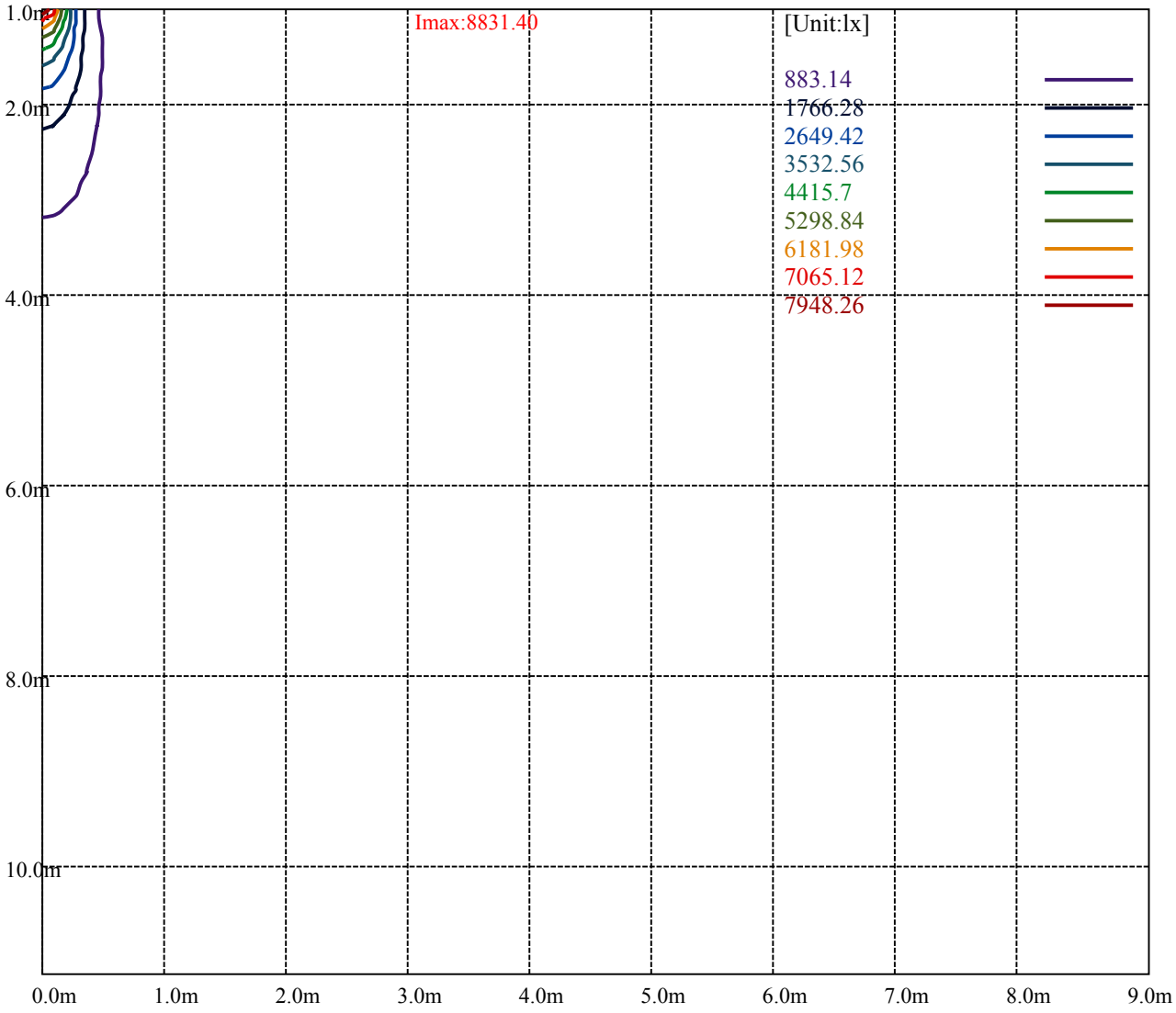
(10%Emax) 220.7847
(20%Emax) 441.57
(30%Emax) 662.355
(40%Emax) 883.14
(50%Emax) 1103.925
(60%Emax) 1324.708
(70%Emax) 1545.493
(80%Emax) 1766.277
(90%Emax) 1987.063

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

NT 2-2683-L

Luminance Limitting Curve(no luminous side)

Luminance Table

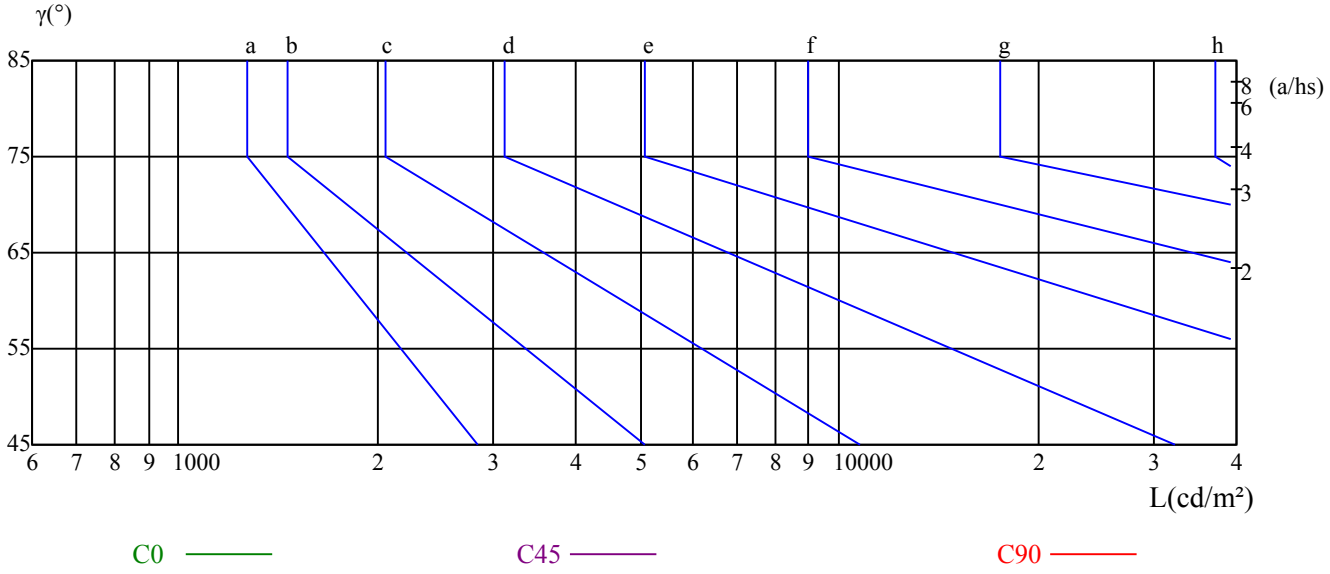
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

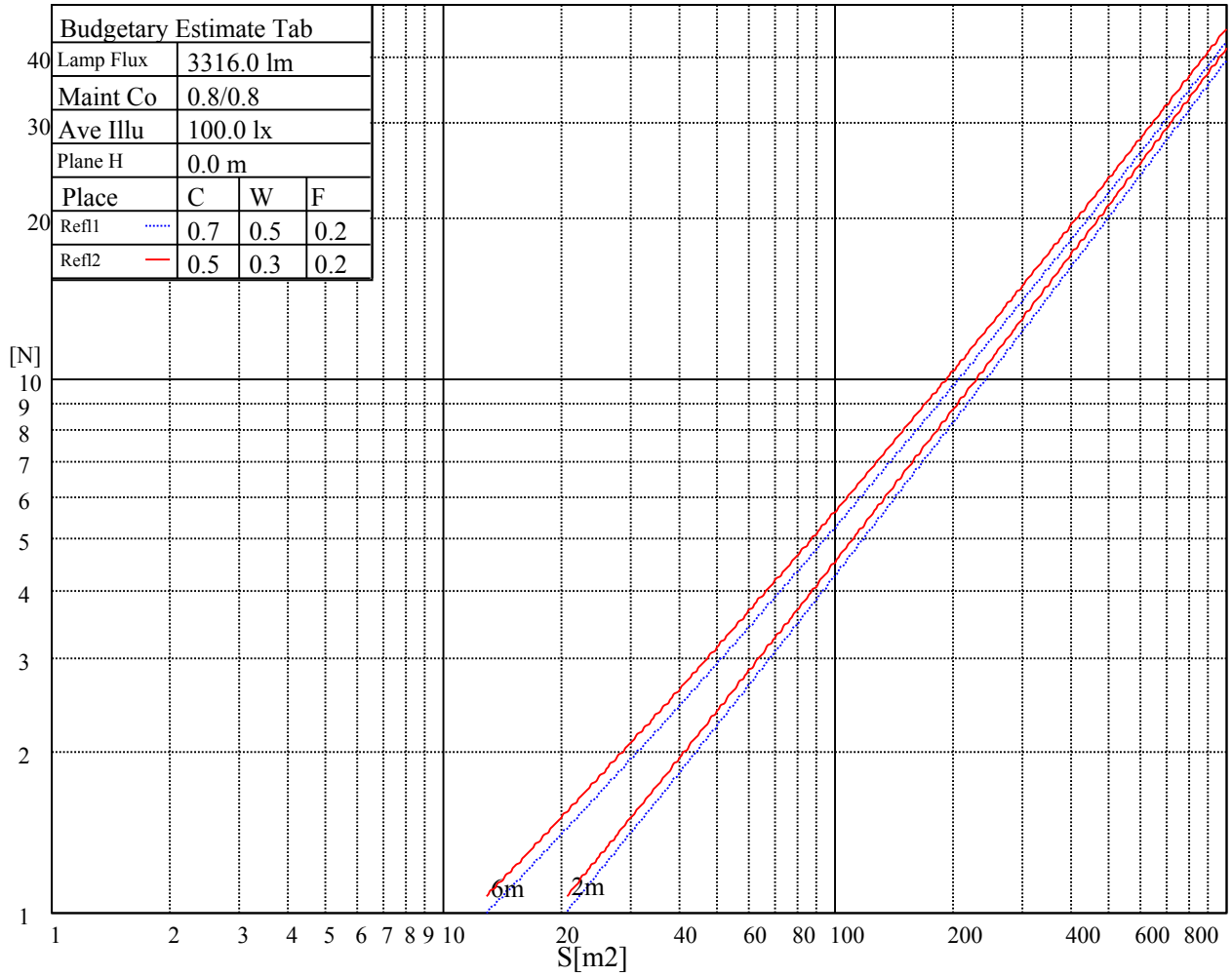
Date: 2024/2/27
Humidity(%): 60.0%

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

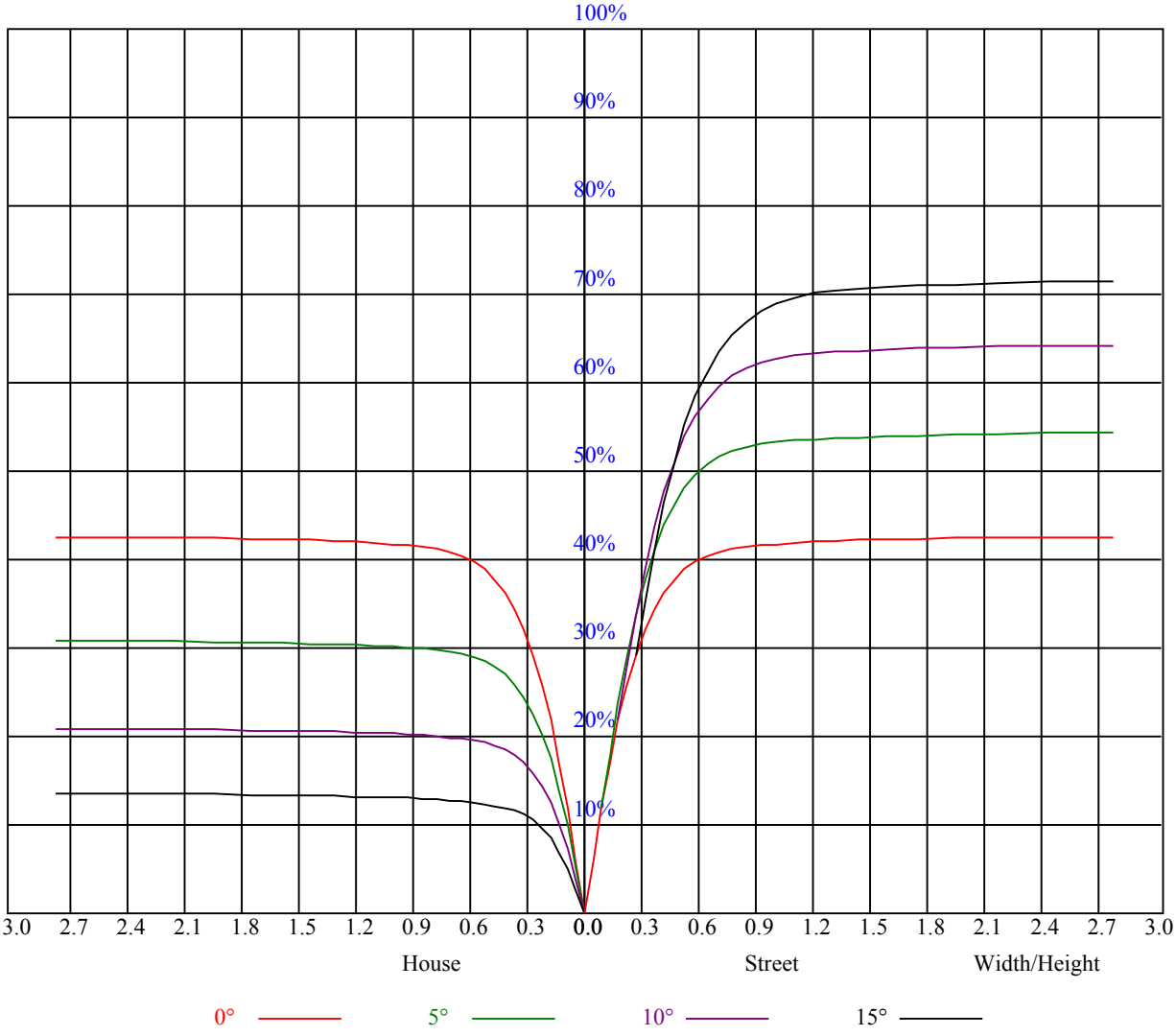


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

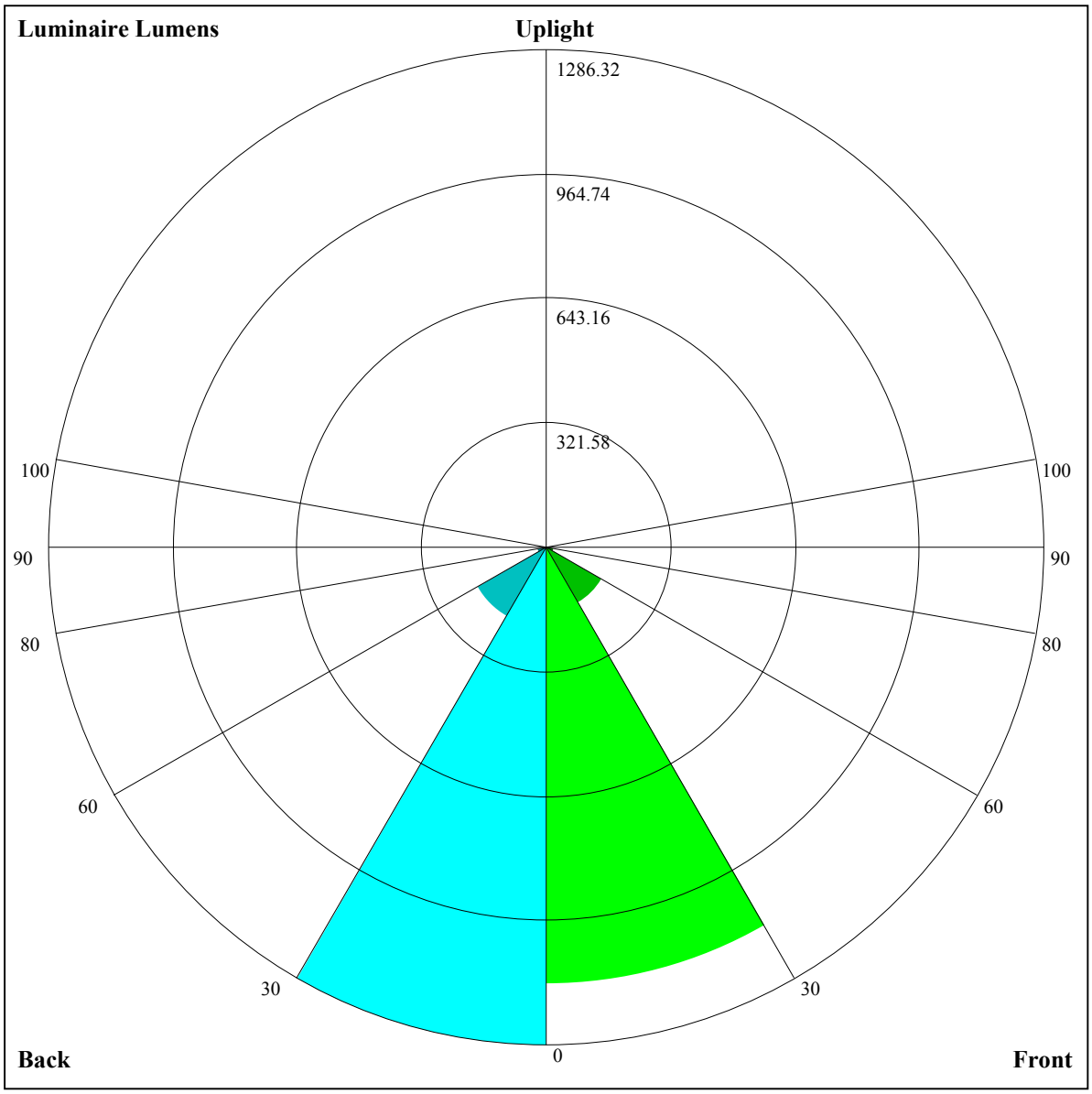
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.87	0.84	0.89	0.86	0.83	0.86	0.84	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.71	0.75	0.73	0.71	0.69
5	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.64	0.63
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.65	0.60	0.58	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54

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=1128.72,FM=167.23,FH=21.85,FVH=7.16
BL=1286.32,BM=205.38,BH=23.52,BVH=7.4
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	8718.16	8482.89	8252.32	7935.12	7579.31	7078.94	6640.61	6184.72	5597.15
45.0	8879.09	8764.39	8565.41	8361.17	8069.14	7617.93	7217.05	6781.06	6205.20
90.0	8809.45	8658.46	8496.94	8262.27	7859.63	7500.30	6975.94	6518.29	6041.92
135.0	8918.89	8889.63	8825.25	8660.80	8466.51	8228.32	7919.91	7487.43	7087.13
180.0	8718.16	8861.54	8918.30	8918.30	8869.73	8752.10	8575.36	8247.05	7932.78
225.0	8879.09	8921.23	8873.83	8797.16	8663.14	8379.31	8110.69	7790.57	7436.51
270.0	8809.45	8891.38	8910.69	8829.93	8691.82	8475.87	8231.83	7943.90	7529.56
315.0	8918.89	8883.77	8726.93	8529.71	8307.91	8022.32	7603.89	7213.54	6648.80
360.0	8718.16	8482.89	8252.32	7935.12	7579.31	7078.94	6640.61	6184.72	5597.15

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5153.55	4645.57	4253.47	3874.25	3524.28	3137.45	2864.15	2624.21	2382.51
45.0	5742.29	5303.37	4893.12	4395.68	4011.78	3640.16	3306.58	2943.74	2697.95
90.0	5578.42	5038.26	4634.46	4240.60	3867.81	3438.26	3127.50	2853.62	2566.86
135.0	6511.86	6044.85	5571.40	5013.68	4598.76	4209.00	3839.13	3400.22	3091.80
180.0	7516.69	7129.85	6675.13	6197.01	5618.80	5176.96	4735.11	4321.95	3853.77
225.0	6913.91	6446.90	5998.61	5556.18	5006.66	4583.54	4095.46	3739.65	3413.09
270.0	7139.22	6698.54	6149.60	5703.08	5251.28	4704.68	4299.71	3836.79	3497.36
315.0	6197.59	5736.43	5166.42	4739.80	4338.92	3879.52	3536.57	3222.31	2943.74
360.0	5153.55	4645.57	4253.47	3874.25	3524.28	3137.45	2864.15	2624.21	2382.51

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2202.26	2037.23	1887.99	1717.11	1587.19	1461.37	1152.07	1152.07	1061.72
45.0	2441.62	2256.10	2083.46	1895.60	1756.32	1625.23	1498.82	1342.56	1216.74
90.0	2366.71	2182.95	1978.12	1831.81	1694.87	1528.67	1313.89	1155.06	1155.06
135.0	2827.87	2597.29	2346.81	2163.05	1999.19	1810.16	1671.46	1536.86	1376.51
180.0	3502.63	3181.93	2838.40	2595.53	2380.75	2147.83	1984.56	1834.15	1669.71
225.0	3034.45	2770.51	2535.84	2336.86	2116.23	1959.39	1817.77	1690.77	1539.79
270.0	3186.61	2910.97	2607.82	2395.97	2210.45	2043.08	1859.32	1728.23	1602.99
315.0	2632.99	2422.30	2239.71	2070.00	1882.73	1746.96	1617.04	1463.12	1162.49
360.0	2202.26	2037.23	1887.99	1717.11	1587.19	1461.37	1152.07	1152.07	1061.72

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	913.71	799.42	689.57	559.24	466.78	394.27	337.85	278.74	238.83
45.0	1093.26	972.12	825.81	714.62	606.35	487.55	416.15	359.39	300.28
90.0	1004.19	889.37	776.36	664.05	536.94	452.79	386.54	331.88	276.64
135.0	1251.27	1129.54	982.65	867.95	753.83	642.05	514.47	432.54	368.17
180.0	1540.96	1415.72	1294.58	1145.34	1024.20	905.99	790.70	648.49	545.49
225.0	1420.40	1149.97	1149.97	1031.81	913.71	767.87	655.98	552.98	444.42
270.0	1483.60	1333.79	1212.64	1064.00	946.95	828.15	684.19	577.09	481.11
315.0	1162.49	1074.36	959.18	844.01	700.16	593.18	495.28	415.80	339.49
360.0	913.71	799.42	689.57	559.24	466.78	394.27	337.85	278.74	238.83

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	205.59	177.09	147.01	127.75	111.19	97.97	84.92	74.73	68.76
45.0	300.28	249.66	183.99	159.88	139.11	116.64	102.24	89.95	80.18
90.0	238.95	199.68	173.11	150.99	126.58	109.73	95.74	84.92	74.56
135.0	313.74	301.45	248.95	188.21	156.14	135.30	118.22	100.25	88.78
180.0	454.78	369.34	314.91	302.03	248.43	184.70	158.13	131.50	114.29
225.0	374.49	316.55	267.45	214.31	179.66	150.93	128.75	106.80	93.28
270.0	403.86	328.37	302.03	302.03	196.46	159.71	135.95	117.05	101.65
315.0	289.28	247.37	211.73	174.69	149.93	124.95	108.85	96.09	84.10
360.0	205.59	177.09	147.01	127.75	111.19	97.97	84.92	74.73	68.76

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	64.61	61.51	58.35	56.65	55.25	53.37	51.50	49.45	47.70
45.0	71.40	66.66	62.91	59.93	57.29	55.89	53.90	52.20	50.27
90.0	68.47	64.43	61.57	58.29	56.83	55.60	53.43	51.97	50.10
135.0	77.25	70.34	65.25	61.86	58.70	56.12	55.54	54.31	52.14
180.0	100.31	86.79	77.95	70.99	65.49	61.68	58.76	56.53	55.07
225.0	82.98	73.33	67.83	63.15	59.17	56.59	54.02	53.02	51.73
270.0	86.96	78.36	71.75	65.25	61.98	58.64	55.83	54.19	53.31
315.0	76.96	70.81	65.66	61.68	58.87	56.83	54.95	53.31	51.68
360.0	64.61	61.51	58.35	56.65	55.25	53.37	51.50	49.45	47.70

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	45.18	42.66	40.38	38.16	35.05	33.42	31.37	29.20	27.68
45.0	48.16	46.00	43.48	41.26	38.39	35.87	34.12	32.54	29.85
90.0	47.58	45.59	42.37	40.03	37.69	35.29	33.18	31.43	29.44
135.0	51.15	49.33	46.82	44.95	42.55	39.50	36.99	34.47	32.66
180.0	54.02	52.73	51.27	49.57	47.75	45.35	43.07	40.56	37.63
225.0	50.45	48.98	47.11	45.41	43.66	41.43	38.62	36.52	34.29
270.0	51.44	49.98	48.28	46.06	44.24	42.08	39.68	37.04	34.47
315.0	49.80	47.29	45.35	43.07	40.15	38.04	35.00	33.24	31.66
360.0	45.18	42.66	40.38	38.16	35.05	33.42	31.37	29.20	27.68

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.93	24.35	22.94	21.89	21.01	19.96	19.31	18.79	18.14
45.0	28.21	26.86	25.28	23.35	22.24	21.30	20.19	19.43	18.67
90.0	27.86	26.10	24.46	22.94	21.59	20.66	19.78	18.96	18.38
135.0	31.02	28.91	27.45	25.81	24.17	22.65	21.54	20.31	19.43
180.0	35.11	33.47	31.95	29.90	27.86	26.45	24.81	23.17	21.71
225.0	32.30	30.67	28.27	26.74	25.28	23.23	21.95	20.95	20.07
270.0	32.89	31.02	28.85	26.80	25.40	23.76	22.24	20.95	20.19
315.0	29.55	27.45	25.98	24.35	22.82	21.54	20.60	19.84	19.14
360.0	25.93	24.35	22.94	21.89	21.01	19.96	19.31	18.79	18.14

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.67	17.21	16.68	16.33	15.92	15.39	14.98	14.63	14.16
45.0	18.14	17.67	17.21	16.68	16.21	15.80	15.39	14.86	14.51
90.0	17.85	17.32	16.91	16.50	16.09	15.57	15.16	14.75	14.40
135.0	18.79	18.14	17.67	17.15	16.74	16.39	15.98	15.45	15.10
180.0	20.83	19.72	19.08	18.49	17.85	17.44	17.03	16.62	16.09
225.0	19.08	18.55	18.08	17.62	17.09	16.74	16.33	15.86	15.45
270.0	19.37	18.84	18.20	17.73	17.26	16.80	16.39	15.98	15.51
315.0	18.49	18.02	17.38	16.97	16.62	16.09	15.68	15.27	14.86
360.0	17.67	17.21	16.68	16.33	15.92	15.39	14.98	14.63	14.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.81	13.46	13.23	12.87	12.64	12.29	12.17	12.17	12.11
45.0	14.10	13.69	13.40	13.05	12.82	12.52	12.41	12.11	12.11
90.0	13.99	13.58	13.23	12.99	12.76	12.47	12.35	12.06	12.11
135.0	14.69	14.28	13.93	13.52	13.28	12.99	12.64	12.47	12.23
180.0	15.74	15.27	14.86	14.46	14.10	13.69	13.40	13.05	12.82
225.0	15.10	14.69	14.34	13.99	13.64	13.28	12.99	12.70	12.41
270.0	15.10	14.75	14.28	13.99	13.58	13.28	12.93	12.64	12.35
315.0	14.46	14.10	13.81	13.40	13.11	12.82	12.52	12.23	12.06
360.0	13.81	13.46	13.23	12.87	12.64	12.29	12.17	12.17	12.11

Intensity data(cd)

C/γ(°)	90.0
0.0	12.11
45.0	12.11
90.0	12.11
135.0	12.11
180.0	12.52
225.0	12.29
270.0	12.11
315.0	12.06
360.0	12.11