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

NT

Client:
LumCAT: 2-2683-L
Luminaire: 92.70.412.00
Report No: 2024228-B029
Ballast type: AC

Test No: 2024228-C029	Voltage(V): 35.360
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.541
Lamp flux(lm): 2613.0	Power (W): 19.129
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2247.32, Efficiency(%): 86.01% , Luminous Efficacy(lm/W): 117.48
Central intensity(cd): 7744.487, Maximum intensity(cd): 7744.487
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.6
[C90/270]Total=24.6
Field angle(10%Imax): [C0/180]Total=57.6
[C90/270]Total=57.6
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.01%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.967%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7744.487	0.000	0	0.00%	0.00%
1.0	7724.516	7.402	7.402	0.28%	0.33%
2.0	7650.485	22.068	29.469	0.84%	1.31%
3.0	7496.864	36.227	65.697	1.39%	2.92%
4.0	7269.870	49.429	115.126	1.89%	5.12%
5.0	6978.428	61.295	176.421	2.35%	7.85%
6.0	6632.779	71.531	247.952	2.74%	11.03%
7.0	6248.872	79.956	327.908	3.06%	14.59%
8.0	5788.592	86.150	414.058	3.30%	18.42%
9.0	5351.722	90.286	504.344	3.46%	22.44%
10.0	4869.204	92.496	596.84	3.54%	26.56%
11.0	4448.500	93.103	689.943	3.56%	30.70%
12.0	4004.387	92.402	782.345	3.54%	34.81%
13.0	3595.535	90.192	872.537	3.45%	38.83%
14.0	3217.626	87.208	959.745	3.34%	42.71%
15.0	2884.047	83.766	1043.511	3.21%	46.43%
16.0	2592.825	80.251	1123.763	3.07%	50.00%
17.0	2306.064	76.289	1200.051	2.92%	53.40%
18.0	2082.289	72.354	1272.406	2.77%	56.62%
19.0	1893.847	69.177	1341.582	2.65%	59.70%
20.0	1731.739	66.358	1407.941	2.54%	62.65%
21.0	1586.457	63.716	1471.657	2.44%	65.48%
22.0	1431.526	60.648	1532.304	2.32%	68.18%
23.0	1316.515	57.661	1589.966	2.21%	70.75%
24.0	1224.261	55.550	1645.516	2.13%	73.22%
25.0	1143.435	53.836	1699.353	2.06%	75.62%
26.0	1045.241	51.664	1751.016	1.98%	77.92%
27.0	949.081	48.792	1799.808	1.87%	80.09%
28.0	853.251	45.631	1845.439	1.75%	82.12%
29.0	753.638	42.041	1887.48	1.61%	83.99%
30.0	654.325	38.015	1925.495	1.45%	85.68%
31.0	559.022	33.766	1959.26	1.29%	87.18%
32.0	472.474	29.551	1988.812	1.13%	88.50%
33.0	393.271	25.505	2014.317	0.98%	89.63%
34.0	327.251	21.805	2036.122	0.83%	90.60%
35.0	282.561	18.938	2055.06	0.72%	91.44%
36.0	255.224	17.123	2072.184	0.66%	92.21%
37.0	206.526	15.060	2087.243	0.58%	92.88%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	171.032	12.602	2099.846	0.48%	93.44%
39.0	141.698	10.674	2110.52	0.41%	93.91%
40.0	121.134	9.167	2119.687	0.35%	94.32%
41.0	103.351	7.994	2127.68	0.31%	94.68%
42.0	88.069	6.955	2134.635	0.27%	94.99%
43.0	75.560	6.061	2140.696	0.23%	95.26%
44.0	66.138	5.348	2146.044	0.20%	95.49%
45.0	58.530	4.791	2150.835	0.18%	95.71%
46.0	52.729	4.351	2155.187	0.17%	95.90%
47.0	48.522	4.027	2159.214	0.15%	96.08%
48.0	45.706	3.809	2163.023	0.15%	96.25%
49.0	43.702	3.672	2166.694	0.14%	96.41%
50.0	41.873	3.568	2170.262	0.14%	96.57%
51.0	40.805	3.498	2173.76	0.13%	96.73%
52.0	39.569	3.449	2177.209	0.13%	96.88%
53.0	38.405	3.392	2180.601	0.13%	97.03%
54.0	37.103	3.328	2183.929	0.13%	97.18%
55.0	35.494	3.241	2187.17	0.12%	97.32%
56.0	34.002	3.140	2190.31	0.12%	97.46%
57.0	32.370	3.035	2193.345	0.12%	97.60%
58.0	30.483	2.907	2196.251	0.11%	97.73%
59.0	28.639	2.764	2199.015	0.11%	97.85%
60.0	26.884	2.623	2201.638	0.10%	97.97%
61.0	25.304	2.490	2204.129	0.10%	98.08%
62.0	23.965	2.374	2206.503	0.09%	98.18%
63.0	22.524	2.261	2208.764	0.09%	98.28%
64.0	21.105	2.141	2210.905	0.08%	98.38%
65.0	20.029	2.036	2212.94	0.08%	98.47%
66.0	18.910	1.943	2214.883	0.07%	98.56%
67.0	17.630	1.837	2216.721	0.07%	98.64%
68.0	16.737	1.741	2218.461	0.07%	98.72%
69.0	15.999	1.670	2220.132	0.06%	98.79%
70.0	15.369	1.611	2221.743	0.06%	98.86%
71.0	14.799	1.559	2223.302	0.06%	98.93%
72.0	14.345	1.515	2224.817	0.06%	99.00%
73.0	13.972	1.481	2226.298	0.06%	99.06%
74.0	13.621	1.451	2227.749	0.06%	99.13%
75.0	13.255	1.420	2229.169	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.926	1.390	2230.559	0.05%	99.25%
77.0	12.648	1.364	2231.922	0.05%	99.31%
78.0	12.341	1.338	2233.26	0.05%	99.37%
79.0	12.034	1.310	2234.569	0.05%	99.43%
80.0	11.690	1.279	2235.848	0.05%	99.49%
81.0	11.448	1.251	2237.1	0.05%	99.55%
82.0	11.178	1.227	2238.327	0.05%	99.60%
83.0	10.907	1.201	2239.527	0.05%	99.65%
84.0	10.658	1.175	2240.702	0.04%	99.71%
85.0	10.446	1.152	2241.854	0.04%	99.76%
86.0	10.198	1.128	2242.982	0.04%	99.81%
87.0	10.029	1.107	2244.089	0.04%	99.86%
88.0	9.868	1.090	2245.179	0.04%	99.90%
89.0	9.744	1.075	2246.254	0.04%	99.95%
90.0	9.678	1.065	2247.319	0.04%	100.00%

Zonal flux distribution table

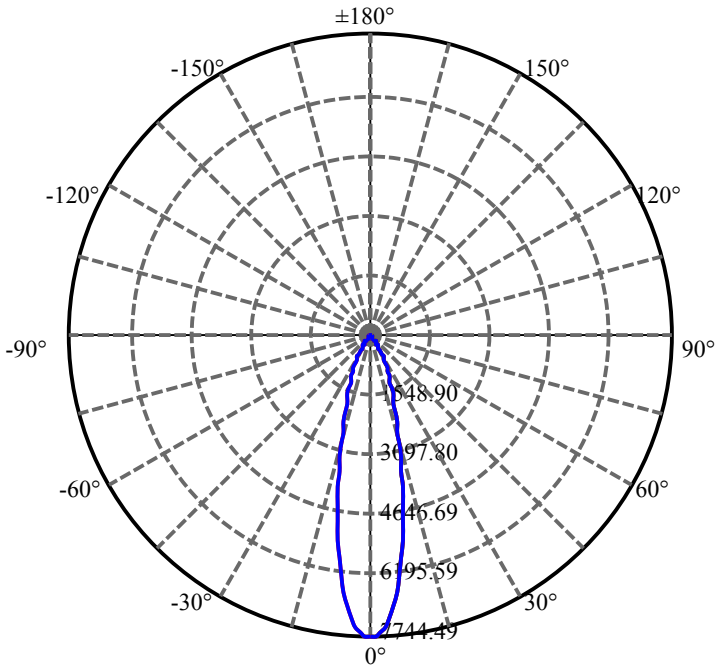
ZONAL LUMEN SUMMARY

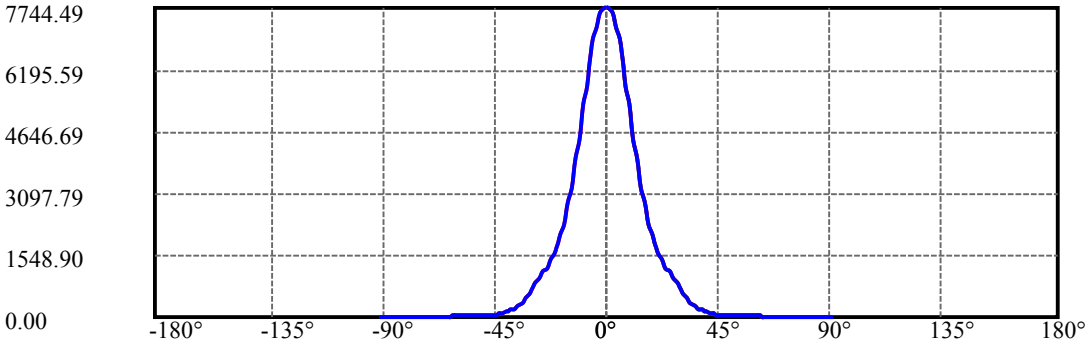
Zone	Lumens	%Lamp	%Fixt
0-30	1925.49	73.69%	85.68%
0-40	2119.69	81.12%	94.32%
0-60	2201.64	84.26%	97.97%
0-90	2246.25	85.96%	99.95%
0-120	2246.25	85.96%	99.95%
0-180	2247.32	86.01%	100.00%
60-90	44.62	1.71%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.96	1797.86	68.80%	80.00%

ZONAL LUMEN SUMMARY

0-10	596.84
10-20	811.10
20-30	517.55
30-40	194.19
40-50	50.58
50-60	31.38
60-70	20.10
70-80	14.11
80-90	10.41
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):

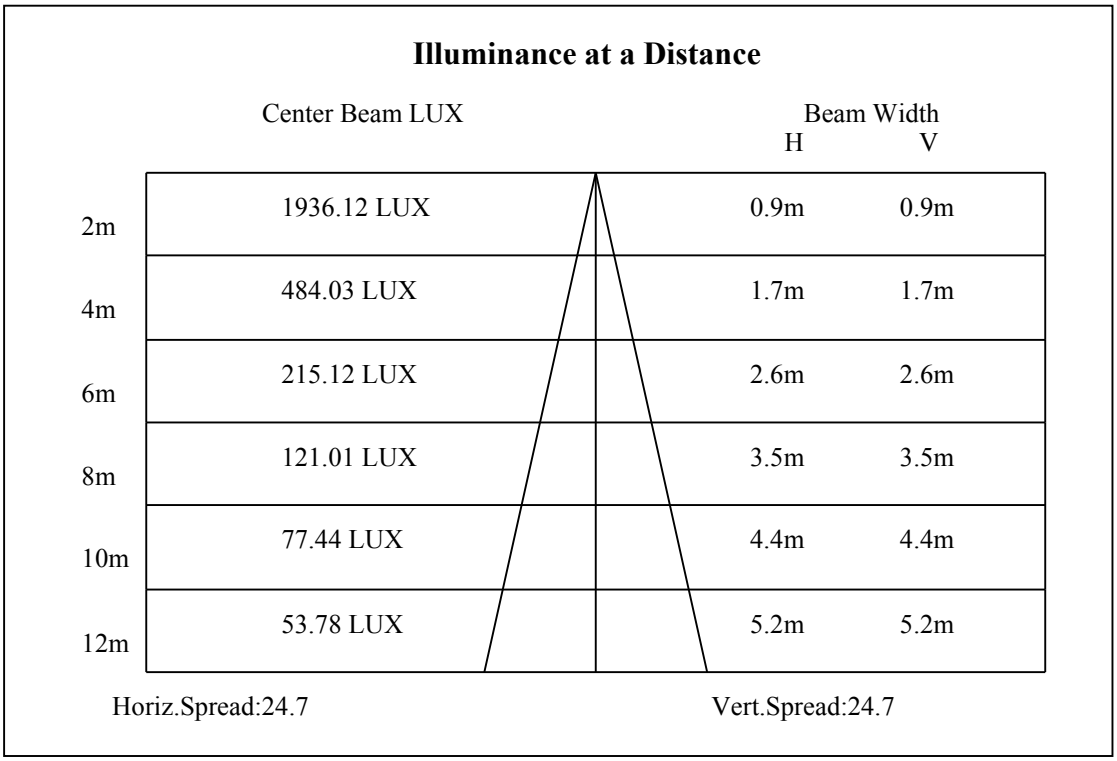
C0/C180:

C90/C270:

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

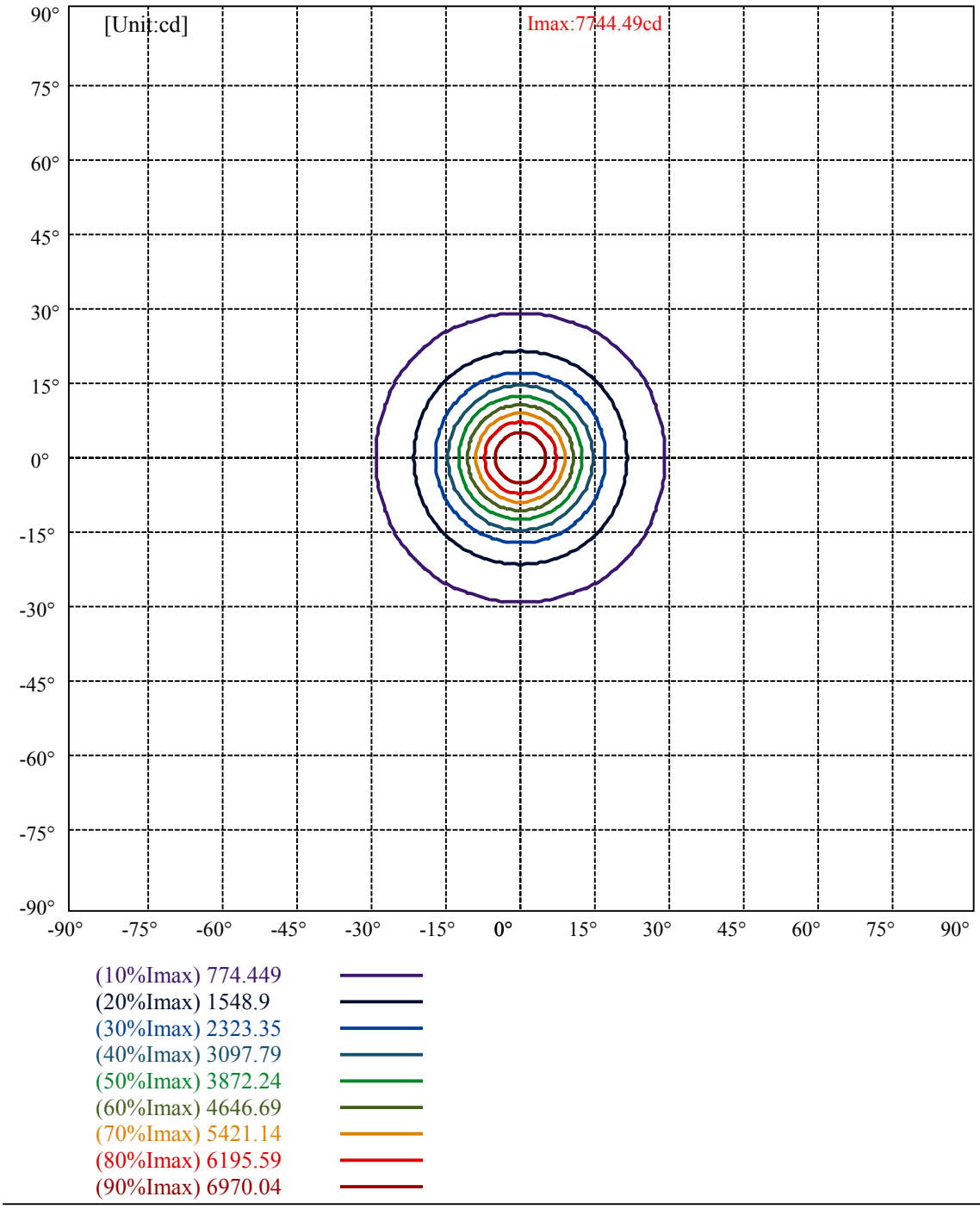
Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3
:C90/270Left:12.3 Right:12.3

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

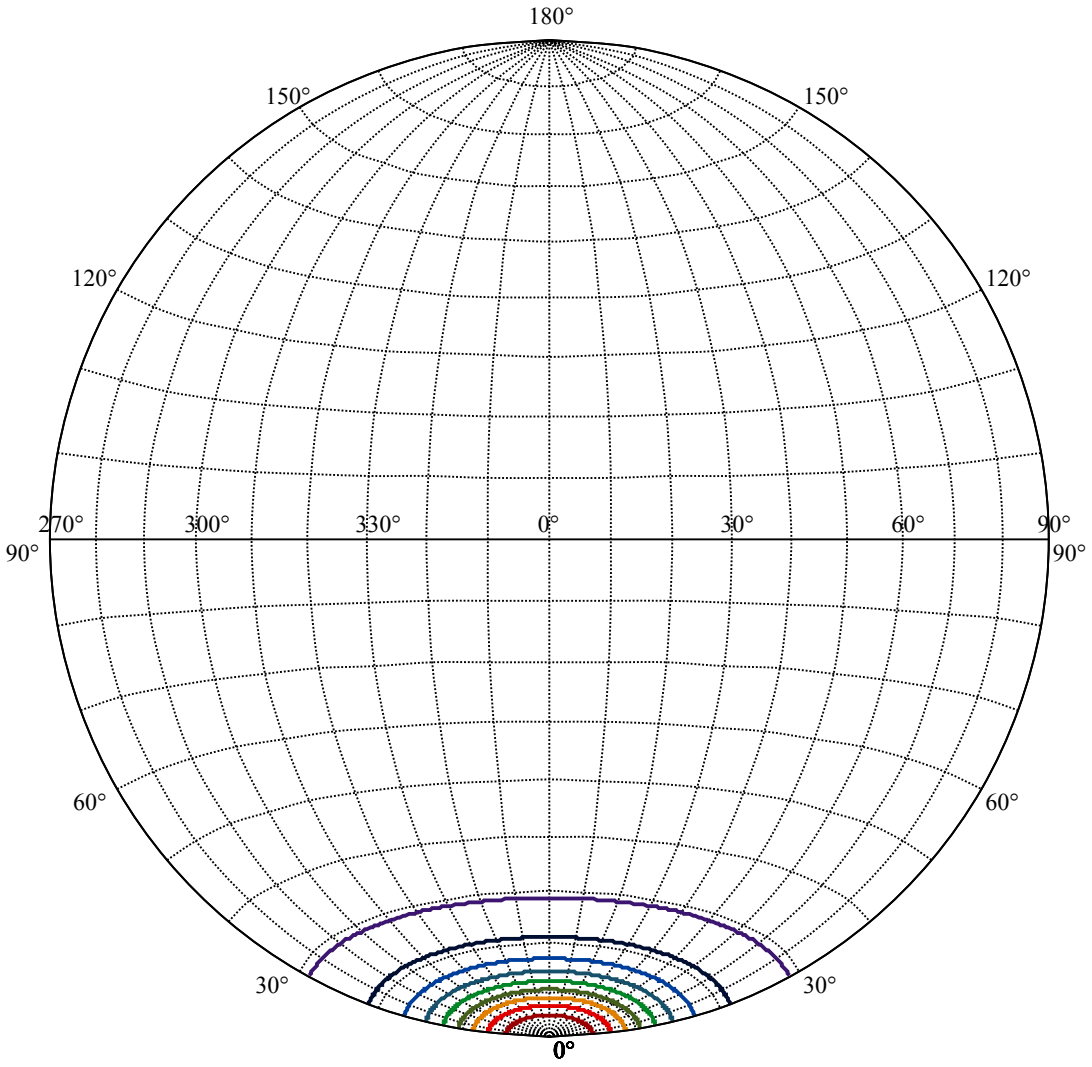


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

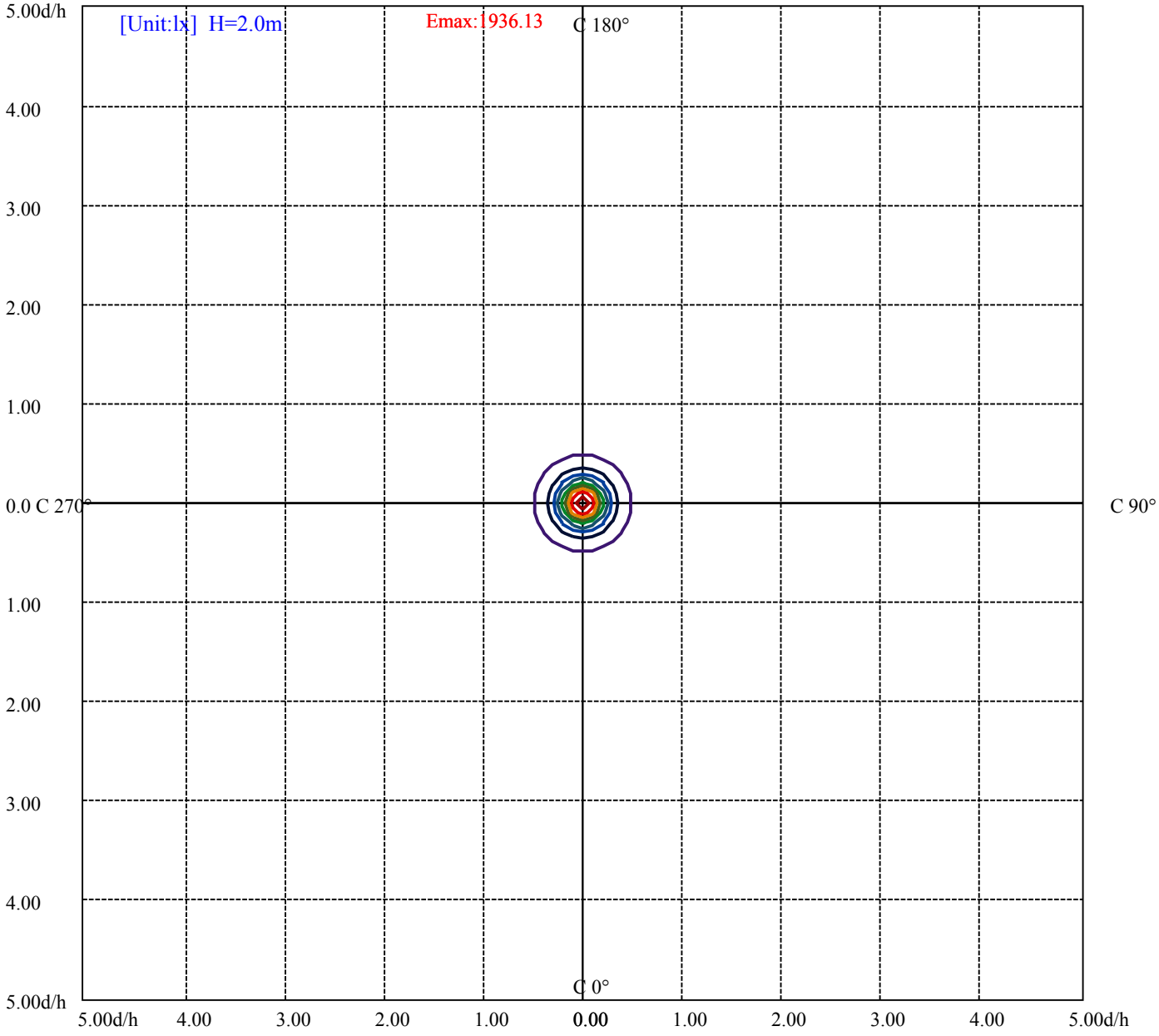
Imax:7744.49

(10%Imax) 774.449
(20%Imax) 1548.9
(30%Imax) 2323.35
(40%Imax) 3097.79
(50%Imax) 3872.24
(60%Imax) 4646.69
(70%Imax) 5421.14
(80%Imax) 6195.59
(90%Imax) 6970.04

Equipment: GMS1980	Date: 2024/2/28	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2683-L

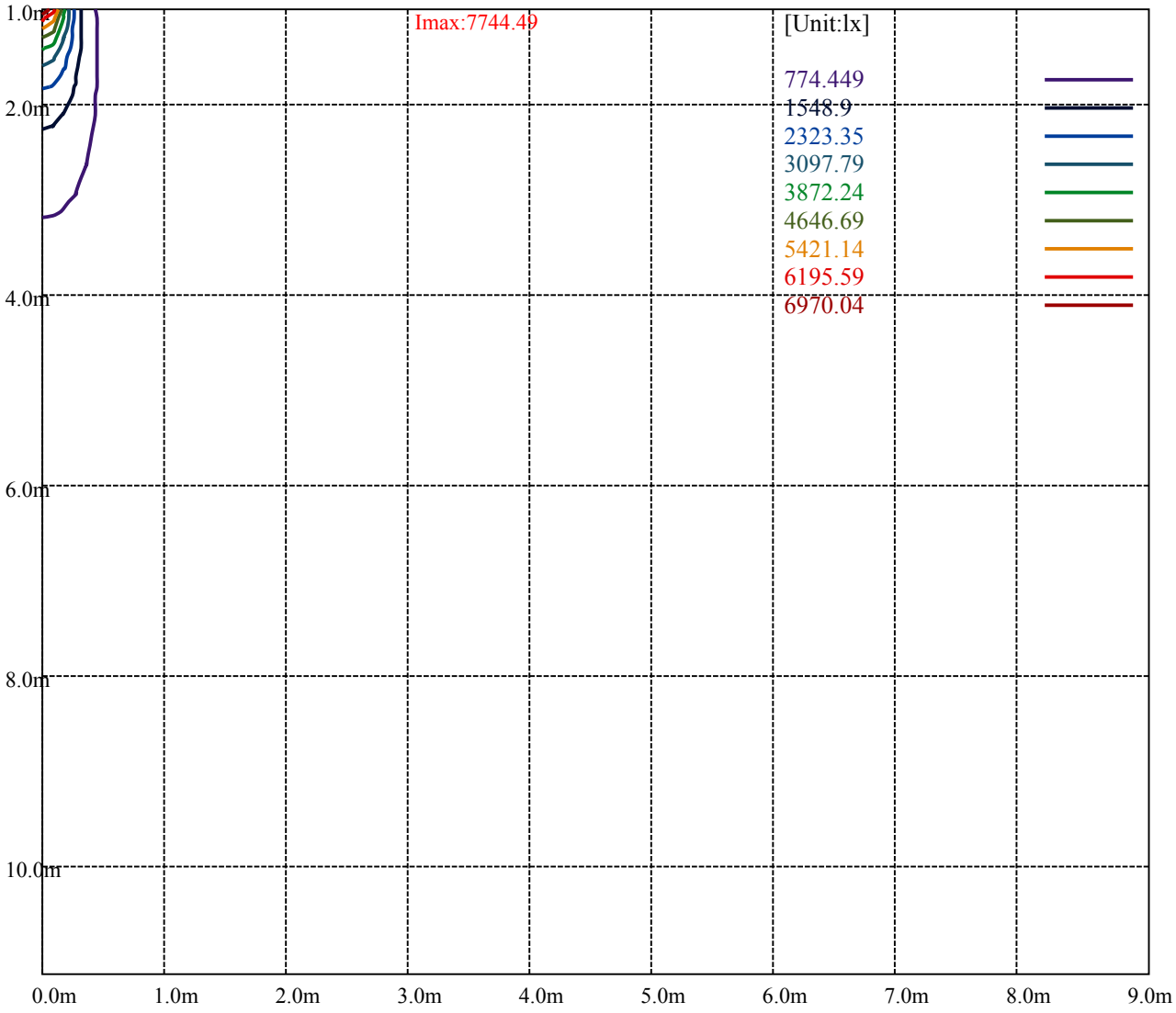
ISO illuminance diagram



(10%Emax) 193.612
(20%Emax) 387.225
(30%Emax) 580.8375
(40%Emax) 774.4475
(50%Emax) 968.06
(60%Emax) 1161.672
(70%Emax) 1355.285
(80%Emax) 1548.897
(90%Emax) 1742.51

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/2/28
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

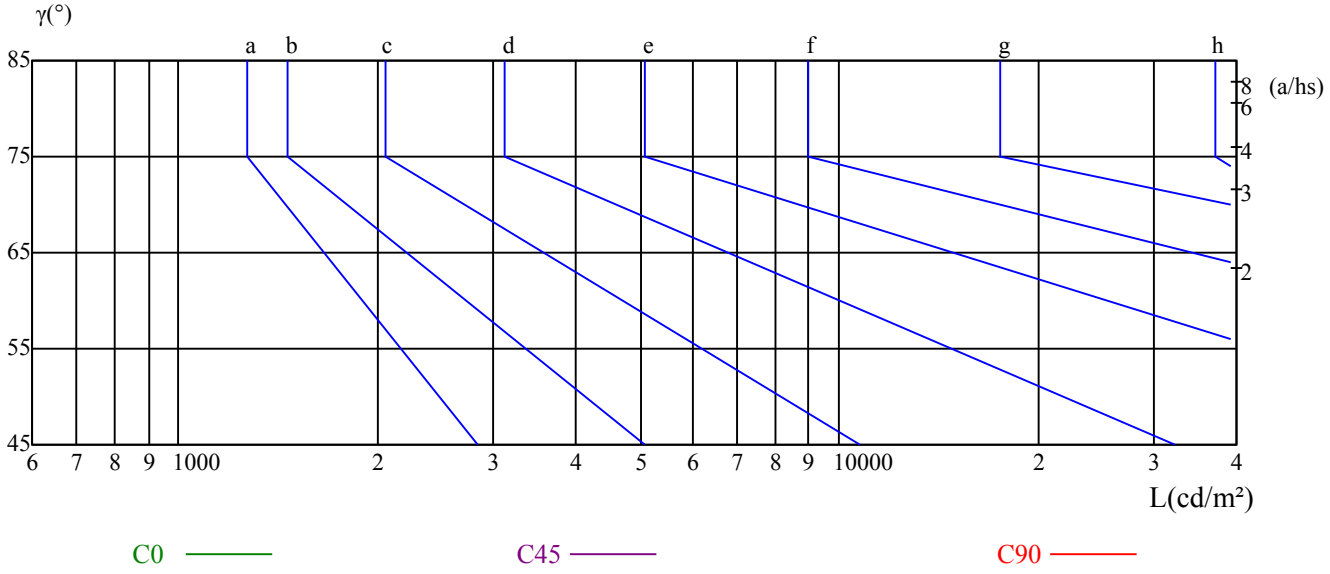
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

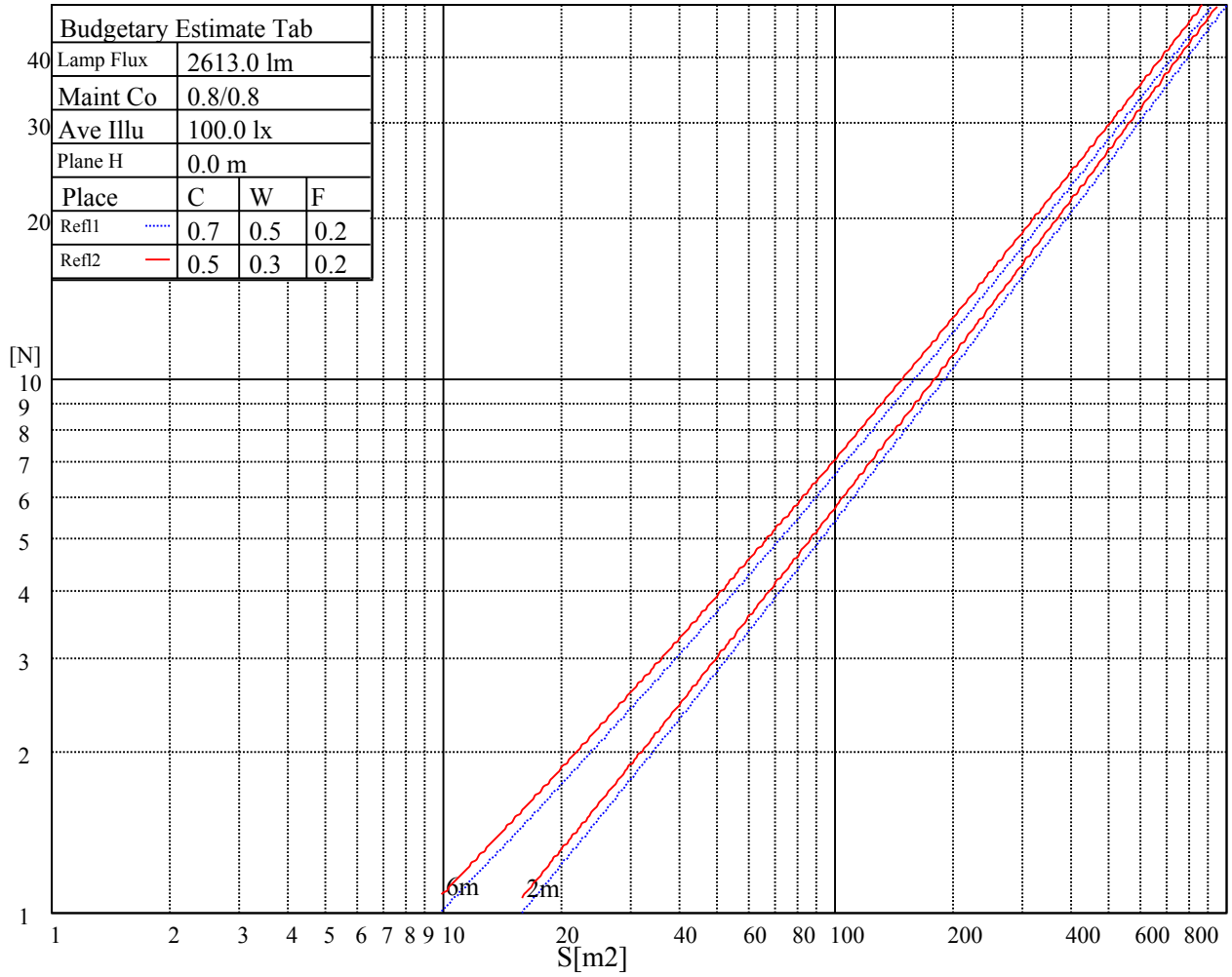
Date: 2024/2/28
Humidity(%): 60.0%

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

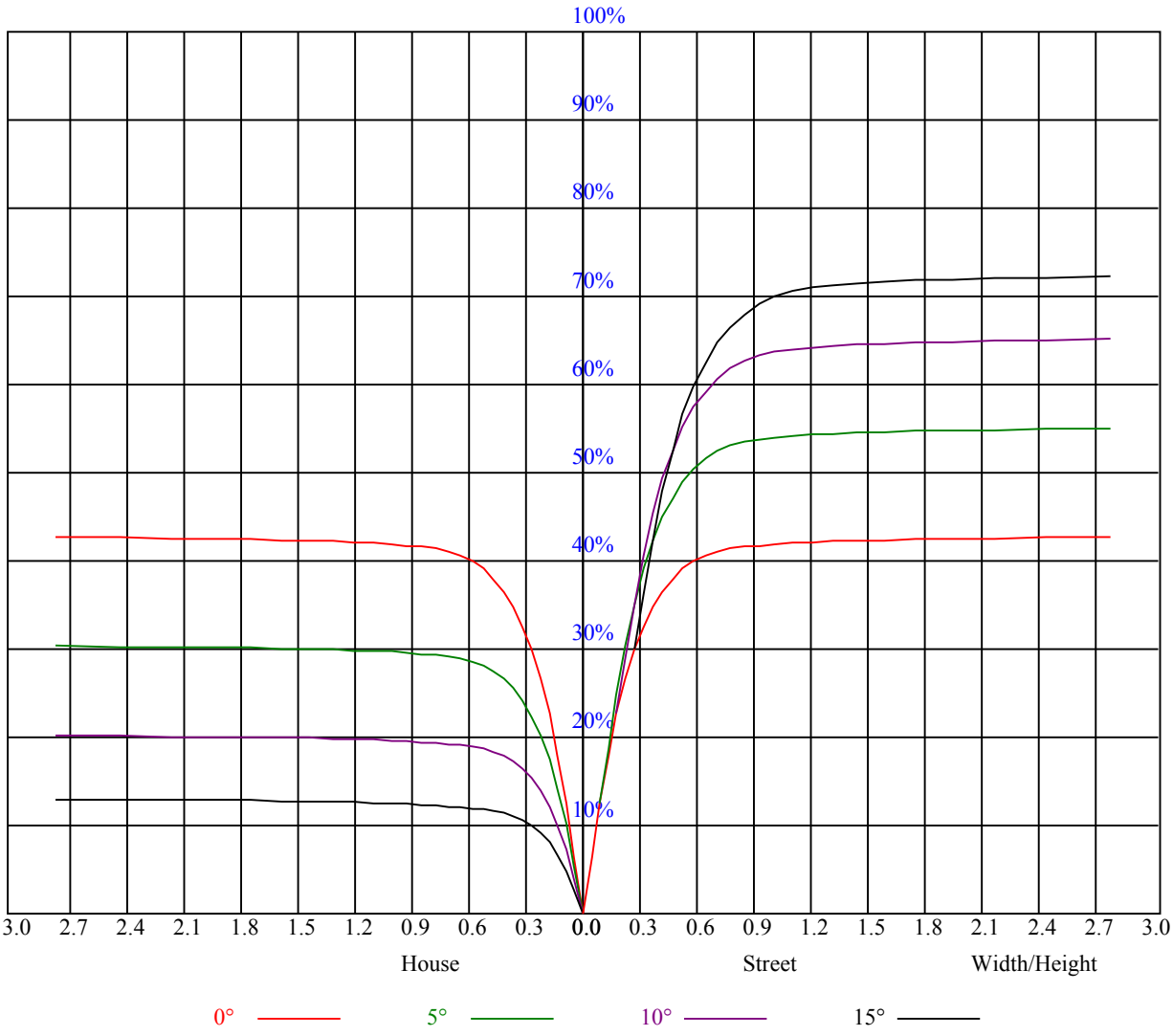


Equipment: GMS1980 Date: 2024/2/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

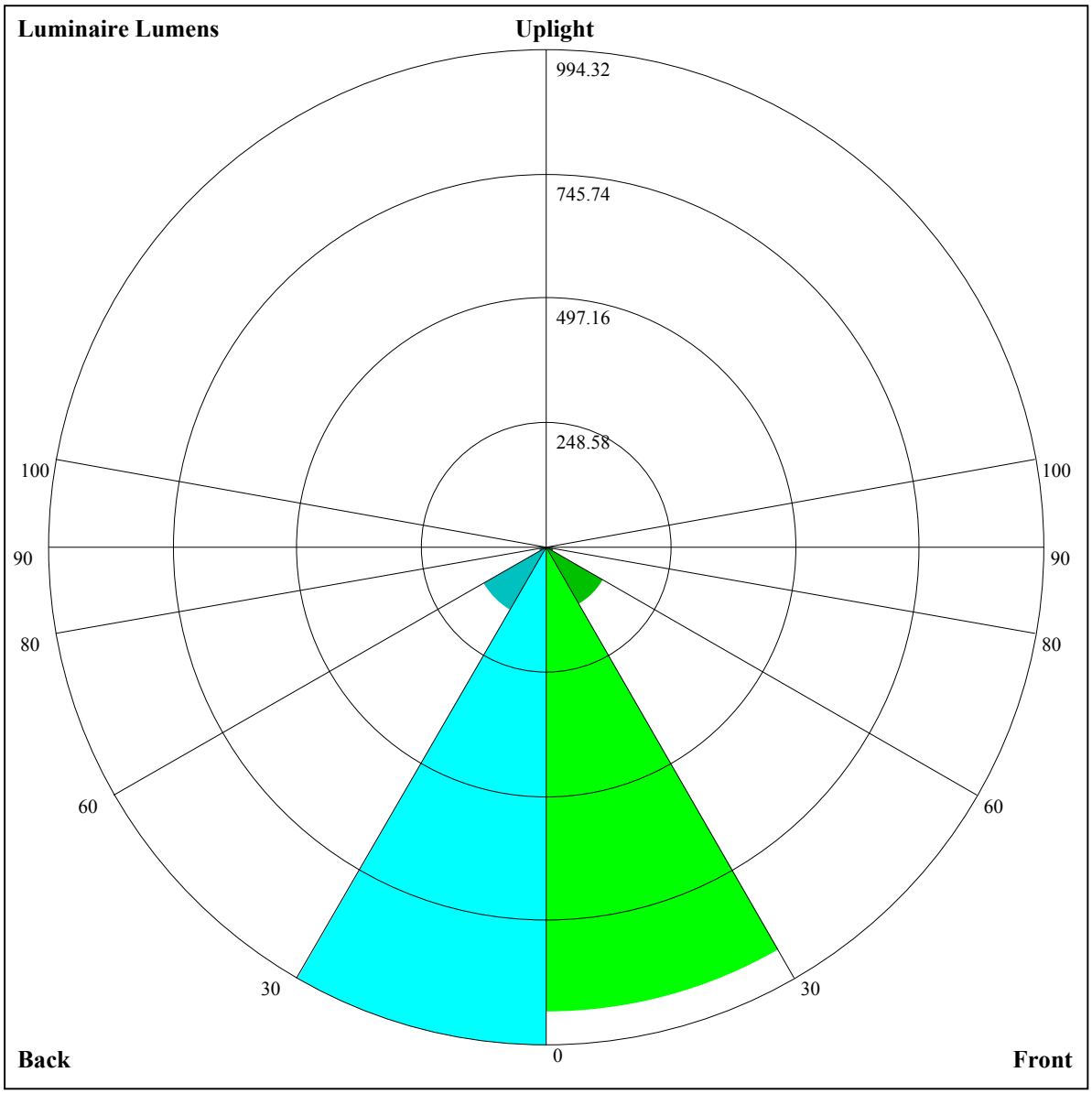
Utilization factor table for indoor luminaire

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/28	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=930.08,FM=130.95,FH=17,FVH=5.72
BL=994.32,BM=147.26,BH=17.3,BVH=5.77
UL=0,UH=0

BUG Rating:B2-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	7675.28	7550.05	7371.55	7093.57	6806.23	6462.70	5964.09	5535.12	5088.59
45.0	7762.48	7734.39	7667.68	7536.00	7277.92	7023.93	6720.78	6264.31	5854.65
90.0	7758.97	7709.23	7570.53	7362.77	7104.10	6722.54	6357.94	5945.36	5519.32
135.0	7781.21	7773.02	7720.35	7589.26	7313.03	7034.46	6718.44	6365.55	5865.77
180.0	7675.28	7752.53	7760.73	7729.13	7583.99	7377.99	7132.20	6838.41	6395.98
225.0	7762.48	7752.53	7684.65	7528.98	7307.18	6971.84	6637.68	6251.43	5730.00
270.0	7758.97	7773.60	7767.75	7668.85	7515.52	7246.31	6968.33	6629.49	6129.12
315.0	7781.21	7750.78	7660.65	7466.36	7251.00	6987.65	6562.77	6161.31	5725.31
360.0	7675.28	7550.05	7371.55	7093.57	6806.23	6462.70	5964.09	5535.12	5088.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4535.55	4128.82	3746.67	3390.85	2984.12	2687.41	2418.21	2186.46	1944.76
45.0	5430.36	4884.93	4448.94	4039.87	3569.35	3224.65	2903.94	2612.50	2294.73
90.0	5098.54	4555.45	4127.07	3732.04	3290.78	2974.76	2611.33	2353.83	2132.03
135.0	5459.04	5057.57	4636.80	4107.75	3705.70	3347.55	2951.93	2662.83	2345.64
180.0	6000.37	5597.15	5190.42	4649.67	4223.63	3729.11	3375.64	3062.54	2690.34
225.0	5309.22	4753.84	4324.29	3925.16	3561.15	3145.06	2833.72	2557.49	2316.38
270.0	5703.66	5261.23	4820.56	4285.08	3891.80	3513.16	3169.64	2779.29	2498.38
315.0	5277.03	4714.63	4293.27	3904.68	3537.74	3119.31	2807.97	2527.65	2226.25
360.0	4535.55	4128.82	3746.67	3390.85	2984.12	2687.41	2418.21	2186.46	1944.76

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1784.99	1642.20	1487.70	1378.85	1158.28	1158.28	1067.22	975.39	859.11
45.0	2082.87	1902.62	1748.13	1577.83	1460.19	1353.68	1234.30	1141.83	1027.13
90.0	1897.94	1745.78	1607.67	1483.60	1285.80	1166.70	1166.70	1080.09	994.00
135.0	2128.52	1938.91	1782.65	1614.11	1496.48	1390.55	1292.82	1178.12	1087.41
180.0	2430.50	2198.75	2003.87	1805.48	1662.10	1536.27	1435.03	1316.23	1227.86
225.0	2052.44	1875.70	1729.40	1600.06	1459.61	1358.95	1149.73	1149.73	1060.60
270.0	2259.61	1998.60	1832.98	1698.38	1535.10	1416.30	1296.92	1200.94	1111.99
315.0	2021.43	1848.20	1661.51	1533.35	1394.65	1151.37	1151.37	1105.14	993.83
360.0	1784.99	1642.20	1487.70	1378.85	1158.28	1158.28	1067.22	975.39	859.11

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	764.36	670.73	578.96	473.97	400.35	340.31	291.68	241.81	209.04
45.0	934.08	843.37	729.83	636.78	548.41	463.56	375.77	320.18	296.18
90.0	882.93	795.73	686.41	596.29	507.68	409.72	345.34	291.97	236.26
135.0	994.36	881.41	791.87	701.74	588.79	500.43	404.45	341.83	302.62
180.0	1142.42	1030.05	939.34	846.29	724.57	626.25	534.95	433.13	365.24
225.0	947.54	858.12	766.29	648.49	555.14	467.65	392.80	319.59	274.53
270.0	1023.03	932.91	814.69	725.15	632.10	537.88	434.30	366.99	314.91
315.0	903.94	813.70	721.70	605.88	515.12	434.00	366.88	302.50	261.71
360.0	764.36	670.73	578.96	473.97	400.35	340.31	291.68	241.81	209.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	174.22	150.11	129.33	107.80	92.82	79.82	67.07	59.52	53.67
45.0	296.18	191.19	163.45	140.04	116.17	100.66	86.85	71.98	62.62
90.0	199.21	167.49	141.21	115.35	98.55	84.97	73.62	62.03	55.30
135.0	302.62	197.40	167.26	141.92	121.02	104.46	87.43	76.43	67.42
180.0	309.64	296.77	242.11	179.02	152.22	129.74	107.27	92.82	80.94
225.0	236.66	203.54	168.95	145.66	125.59	104.64	90.59	78.71	67.07
270.0	303.79	254.57	190.37	165.56	143.26	119.21	102.53	88.43	76.72
315.0	219.46	191.13	165.56	138.23	119.44	103.29	89.19	74.56	65.37
360.0	174.22	150.11	129.33	107.80	92.82	79.82	67.07	59.52	53.67

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	48.98	45.76	44.18	42.66	41.38	40.38	39.15	38.10	36.75
45.0	55.83	49.74	46.23	44.18	42.49	40.79	40.38	39.33	38.22
90.0	49.74	45.06	43.01	40.97	39.56	38.68	37.92	36.87	35.99
135.0	58.52	53.02	47.70	45.12	42.84	40.91	40.09	38.92	37.86
180.0	68.82	61.39	55.01	49.28	46.53	43.77	41.90	40.67	39.68
225.0	60.04	54.78	49.69	47.17	45.00	43.25	41.73	40.32	39.09
270.0	67.48	58.64	53.31	49.69	47.29	44.59	43.07	41.67	40.50
315.0	58.82	53.43	49.04	46.58	44.54	42.60	42.19	40.67	39.15
360.0	48.98	45.76	44.18	42.66	41.38	40.38	39.15	38.10	36.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.23	33.42	31.78	30.02	28.27	26.10	24.93	23.76	22.30
45.0	37.10	35.76	34.35	32.60	30.84	28.68	26.86	25.34	24.23
90.0	34.70	33.24	31.72	30.08	28.44	26.51	24.87	23.82	22.36
135.0	36.64	35.17	33.77	32.48	30.31	28.68	26.92	24.93	23.88
180.0	38.22	36.99	35.52	34.12	32.36	30.49	28.97	26.92	25.28
225.0	37.69	35.64	34.24	32.07	30.26	28.68	26.34	24.99	23.88
270.0	39.33	37.69	36.11	34.70	32.48	30.78	29.14	27.21	25.52
315.0	37.92	36.05	34.53	32.89	30.90	29.20	27.04	25.46	24.29
360.0	35.23	33.42	31.78	30.02	28.27	26.10	24.93	23.76	22.30

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.83	19.90	18.79	17.62	16.56	15.86	15.10	14.63	14.22
45.0	22.59	21.13	20.25	19.20	17.67	16.74	16.09	15.33	14.81
90.0	21.01	19.90	18.73	17.56	16.62	15.80	15.27	14.75	14.34
135.0	22.77	20.95	19.96	18.90	17.50	16.62	15.98	15.33	14.75
180.0	24.05	22.47	21.13	20.01	18.73	17.62	16.74	16.04	15.27
225.0	21.95	20.72	19.84	18.73	17.38	16.62	15.98	15.39	14.81
270.0	24.17	22.53	21.30	20.07	18.84	17.73	16.80	16.09	15.33
315.0	22.82	21.24	20.25	19.20	17.73	16.91	16.04	15.39	14.86
360.0	20.83	19.90	18.79	17.62	16.56	15.86	15.10	14.63	14.22

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.75	13.40	13.11	12.82	12.47	12.23	11.88	11.65	11.29
45.0	14.34	13.87	13.58	13.23	12.87	12.58	12.35	12.00	11.70
90.0	13.93	13.58	13.34	13.05	12.70	12.41	12.17	11.82	11.53
135.0	14.34	14.05	13.69	13.28	13.05	12.76	12.41	12.11	11.76
180.0	14.81	14.40	14.05	13.58	13.28	12.99	12.64	12.41	12.00
225.0	14.40	14.05	13.58	13.23	12.87	12.58	12.29	12.00	11.59
270.0	14.86	14.46	14.05	13.58	13.23	12.93	12.64	12.29	11.94
315.0	14.34	13.99	13.58	13.28	12.93	12.70	12.35	12.00	11.70
360.0	13.75	13.40	13.11	12.82	12.47	12.23	11.88	11.65	11.29

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.12	10.83	10.53	10.36	10.18	9.95	9.83	9.66	9.71
45.0	11.47	11.18	10.94	10.65	10.48	10.24	10.01	9.83	9.66
90.0	11.24	11.06	10.77	10.59	10.36	10.12	9.89	9.89	9.60
135.0	11.53	11.24	10.94	10.71	10.48	10.24	10.07	9.89	9.71
180.0	11.70	11.47	11.18	10.89	10.65	10.36	10.24	10.01	9.89
225.0	11.35	11.12	10.89	10.59	10.42	10.12	10.01	9.83	9.66
270.0	11.70	11.35	11.06	10.83	10.53	10.36	10.12	9.95	10.01
315.0	11.47	11.18	10.94	10.65	10.48	10.18	10.07	9.89	9.71
360.0	11.12	10.83	10.53	10.36	10.18	9.95	9.83	9.66	9.71

Intensity data(cd)

C/γ(°)	90.0
0.0	9.71
45.0	9.60
90.0	9.71
135.0	9.71
180.0	9.71
225.0	9.60
270.0	9.71
315.0	9.66
360.0	9.71