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

NT

Client:
LumCAT: 3-2807-L
Luminaire: 92.70.412.00
Report No: 2024228-B013
Ballast type: AC

Test No: 2024228-C013	Voltage(V): 35.460
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.541
Lamp flux(lm): 2613.0	Power (W): 19.183
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2178.19, Efficiency(%): 83.36% , Luminous Efficacy(lm/W): 113.55
Central intensity(cd): 4935.773, Maximum intensity(cd): 4935.773
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.8
[C90/270]Total=35.8
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.59 C90_270=0.59
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.607%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4935.773	0.000	0	0.00%	0.00%
1.0	4925.239	4.718	4.718	0.18%	0.22%
2.0	4896.856	14.098	18.816	0.54%	0.86%
3.0	4851.574	23.315	42.131	0.89%	1.93%
4.0	4798.026	32.300	74.431	1.24%	3.42%
5.0	4723.117	40.959	115.391	1.57%	5.30%
6.0	4633.212	49.170	164.561	1.88%	7.55%
7.0	4523.701	56.837	221.398	2.18%	10.16%
8.0	4394.367	63.825	285.222	2.44%	13.09%
9.0	4245.646	70.023	355.245	2.68%	16.31%
10.0	4069.933	75.253	430.498	2.88%	19.76%
11.0	3900.729	79.643	510.141	3.05%	23.42%
12.0	3696.047	83.044	593.185	3.18%	27.23%
13.0	3498.680	85.383	678.568	3.27%	31.15%
14.0	3294.948	86.958	765.526	3.33%	35.15%
15.0	3081.049	87.533	853.059	3.35%	39.16%
16.0	2871.099	87.216	940.274	3.34%	43.17%
17.0	2654.200	86.044	1026.318	3.29%	47.12%
18.0	2454.053	84.224	1110.542	3.22%	50.98%
19.0	2252.151	81.878	1192.42	3.13%	54.74%
20.0	2064.952	79.015	1271.435	3.02%	58.37%
21.0	1895.968	76.058	1347.493	2.91%	61.86%
22.0	1721.937	72.703	1420.196	2.78%	65.20%
23.0	1560.356	68.871	1489.068	2.64%	68.36%
24.0	1381.343	64.316	1553.384	2.46%	71.32%
25.0	1259.090	60.038	1613.421	2.30%	74.07%
26.0	1164.451	57.208	1670.629	2.19%	76.70%
27.0	1061.737	54.464	1725.094	2.08%	79.20%
28.0	963.500	51.275	1776.368	1.96%	81.55%
29.0	854.319	47.559	1823.928	1.82%	83.74%
30.0	750.778	43.337	1867.265	1.66%	85.73%
31.0	638.707	38.667	1905.932	1.48%	87.50%
32.0	531.457	33.524	1939.456	1.28%	89.04%
33.0	423.381	28.130	1967.586	1.08%	90.33%
34.0	332.649	22.880	1990.466	0.88%	91.38%
35.0	259.218	18.381	2008.847	0.70%	92.23%
36.0	196.050	14.496	2023.343	0.55%	92.89%
37.0	136.277	10.839	2034.181	0.41%	93.39%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.082	7.789	2041.971	0.30%	93.75%
39.0	83.087	6.150	2048.12	0.24%	94.03%
40.0	75.026	5.514	2053.635	0.21%	94.28%
41.0	68.669	5.117	2058.752	0.20%	94.52%
42.0	63.768	4.812	2063.563	0.18%	94.74%
43.0	59.378	4.562	2068.125	0.17%	94.95%
44.0	55.830	4.348	2072.473	0.17%	95.15%
45.0	52.582	4.166	2076.64	0.16%	95.34%
46.0	49.656	3.998	2080.638	0.15%	95.52%
47.0	47.330	3.857	2084.495	0.15%	95.70%
48.0	45.070	3.735	2088.231	0.14%	95.87%
49.0	43.226	3.626	2091.857	0.14%	96.04%
50.0	41.456	3.531	2095.387	0.14%	96.20%
51.0	39.905	3.442	2098.83	0.13%	96.36%
52.0	38.508	3.365	2102.194	0.13%	96.51%
53.0	37.213	3.294	2105.488	0.13%	96.66%
54.0	35.867	3.221	2108.709	0.12%	96.81%
55.0	34.419	3.137	2111.847	0.12%	96.95%
56.0	33.021	3.047	2114.894	0.12%	97.09%
57.0	31.507	2.950	2117.844	0.11%	97.23%
58.0	30.095	2.849	2120.693	0.11%	97.36%
59.0	28.632	2.746	2123.439	0.11%	97.49%
60.0	27.140	2.635	2126.074	0.10%	97.61%
61.0	25.911	2.532	2128.605	0.10%	97.72%
62.0	24.492	2.429	2131.034	0.09%	97.84%
63.0	23.380	2.328	2133.362	0.09%	97.94%
64.0	22.268	2.240	2135.602	0.09%	98.04%
65.0	21.405	2.161	2137.763	0.08%	98.14%
66.0	20.658	2.099	2139.862	0.08%	98.24%
67.0	20.161	2.053	2141.915	0.08%	98.33%
68.0	19.861	2.027	2143.942	0.08%	98.43%
69.0	19.700	2.018	2145.96	0.08%	98.52%
70.0	19.532	2.015	2147.975	0.08%	98.61%
71.0	19.173	2.001	2149.976	0.08%	98.70%
72.0	18.808	1.975	2151.95	0.08%	98.80%
73.0	18.478	1.950	2153.9	0.07%	98.88%
74.0	18.040	1.920	2155.82	0.07%	98.97%
75.0	17.564	1.881	2157.701	0.07%	99.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.103	1.840	2159.542	0.07%	99.14%
77.0	16.547	1.794	2161.336	0.07%	99.23%
78.0	15.764	1.730	2163.065	0.07%	99.31%
79.0	14.777	1.641	2164.706	0.06%	99.38%
80.0	13.848	1.543	2166.249	0.06%	99.45%
81.0	13.007	1.452	2167.702	0.06%	99.52%
82.0	12.275	1.371	2169.073	0.05%	99.58%
83.0	11.514	1.293	2170.366	0.05%	99.64%
84.0	10.995	1.226	2171.592	0.05%	99.70%
85.0	10.563	1.177	2172.769	0.05%	99.75%
86.0	10.205	1.135	2173.904	0.04%	99.80%
87.0	9.898	1.100	2175.004	0.04%	99.85%
88.0	9.766	1.077	2176.081	0.04%	99.90%
89.0	9.598	1.061	2177.143	0.04%	99.95%
90.0	9.503	1.047	2178.19	0.04%	100.00%

Zonal flux distribution table

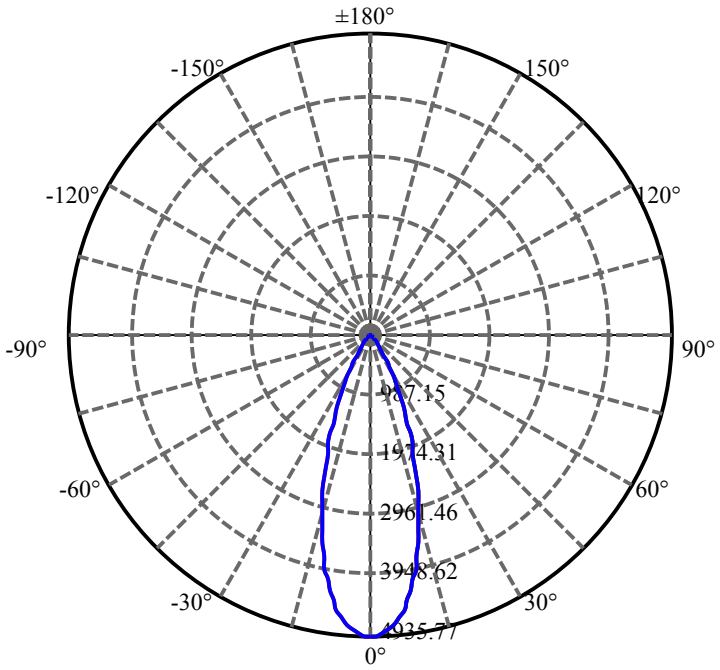
ZONAL LUMEN SUMMARY

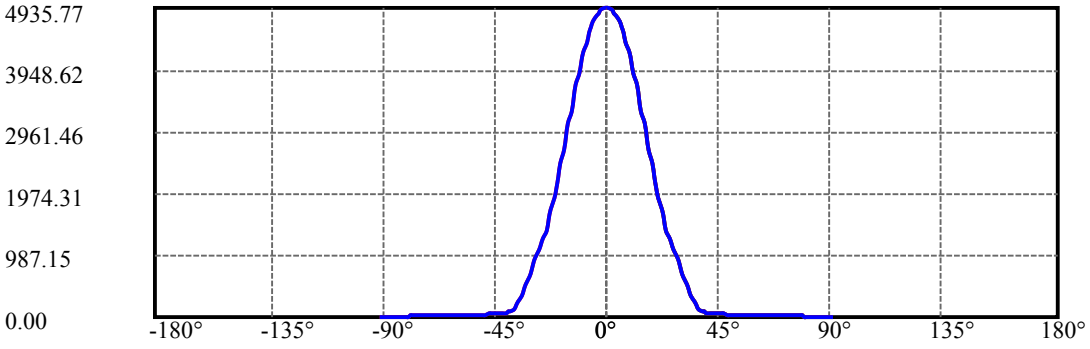
Zone	Lumens	%Lamp	%Fixt
0-30	1867.26	71.46%	85.73%
0-40	2053.63	78.59%	94.28%
0-60	2126.07	81.37%	97.61%
0-90	2177.14	83.32%	99.95%
0-120	2177.14	83.32%	99.95%
0-180	2178.19	83.36%	100.00%
60-90	51.07	1.95%	2.34%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.34	1742.55	66.69%	80.00%

ZONAL LUMEN SUMMARY

0-10	430.50
10-20	840.94
20-30	595.83
30-40	186.37
40-50	41.75
50-60	30.69
60-70	21.90
70-80	18.27
80-90	10.89
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):

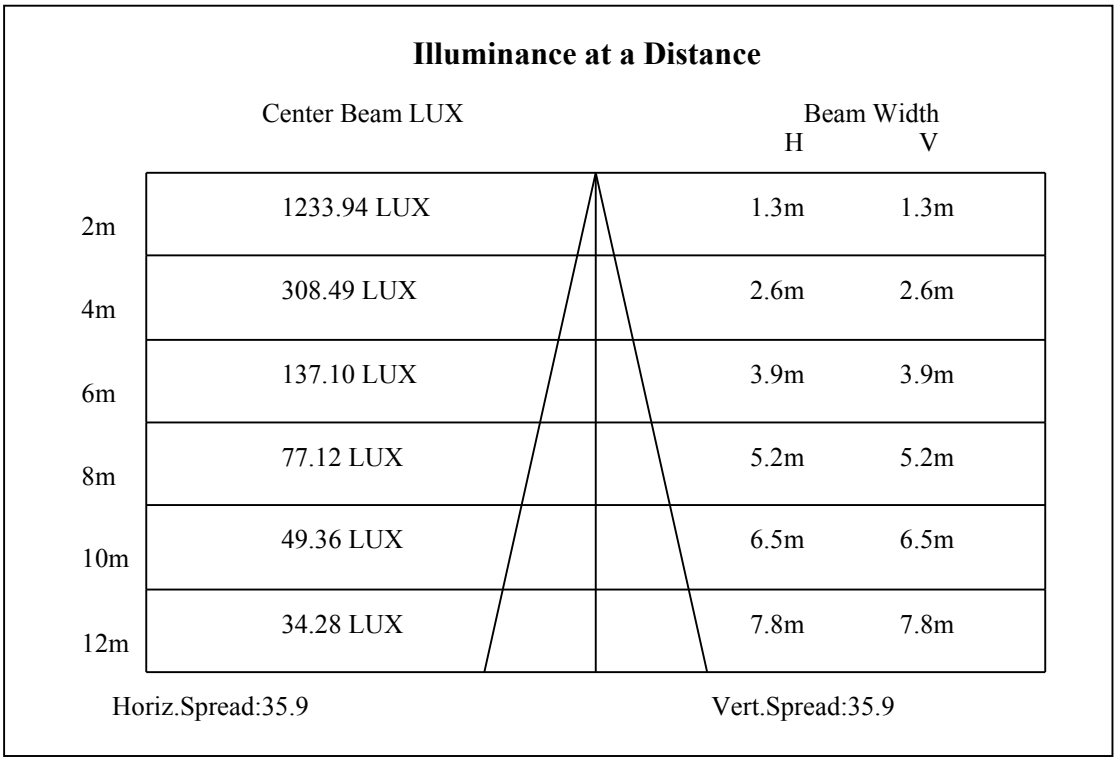
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

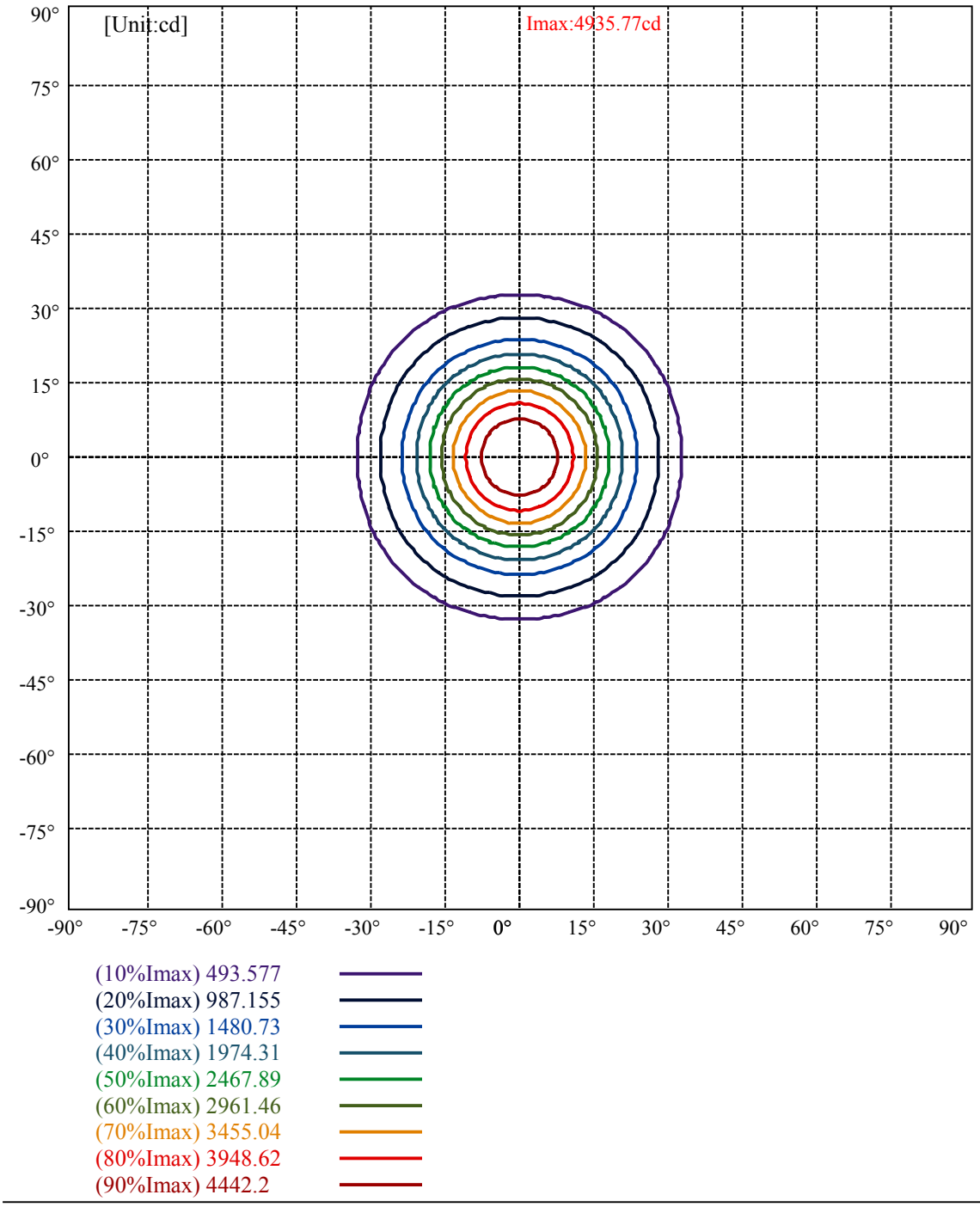
Beam Angle(50%Imax):C0/180Left:17.9 Right:17.9
:C90/270Left:17.9 Right:17.9

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)

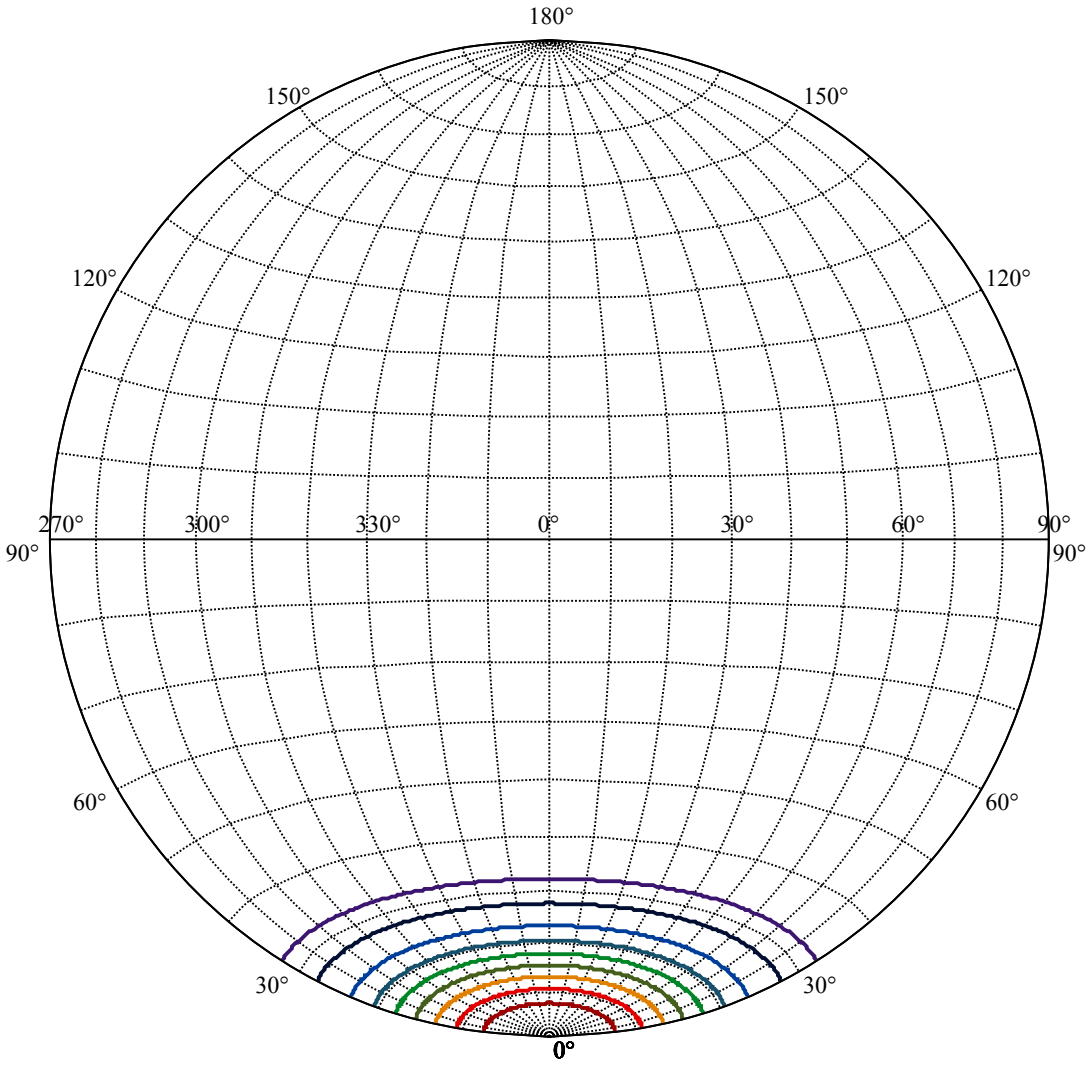


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4935.77

(10%Imax) 493.577
(20%Imax) 987.155
(30%Imax) 1480.73
(40%Imax) 1974.31
(50%Imax) 2467.89
(60%Imax) 2961.46
(70%Imax) 3455.04
(80%Imax) 3948.62
(90%Imax) 4442.2

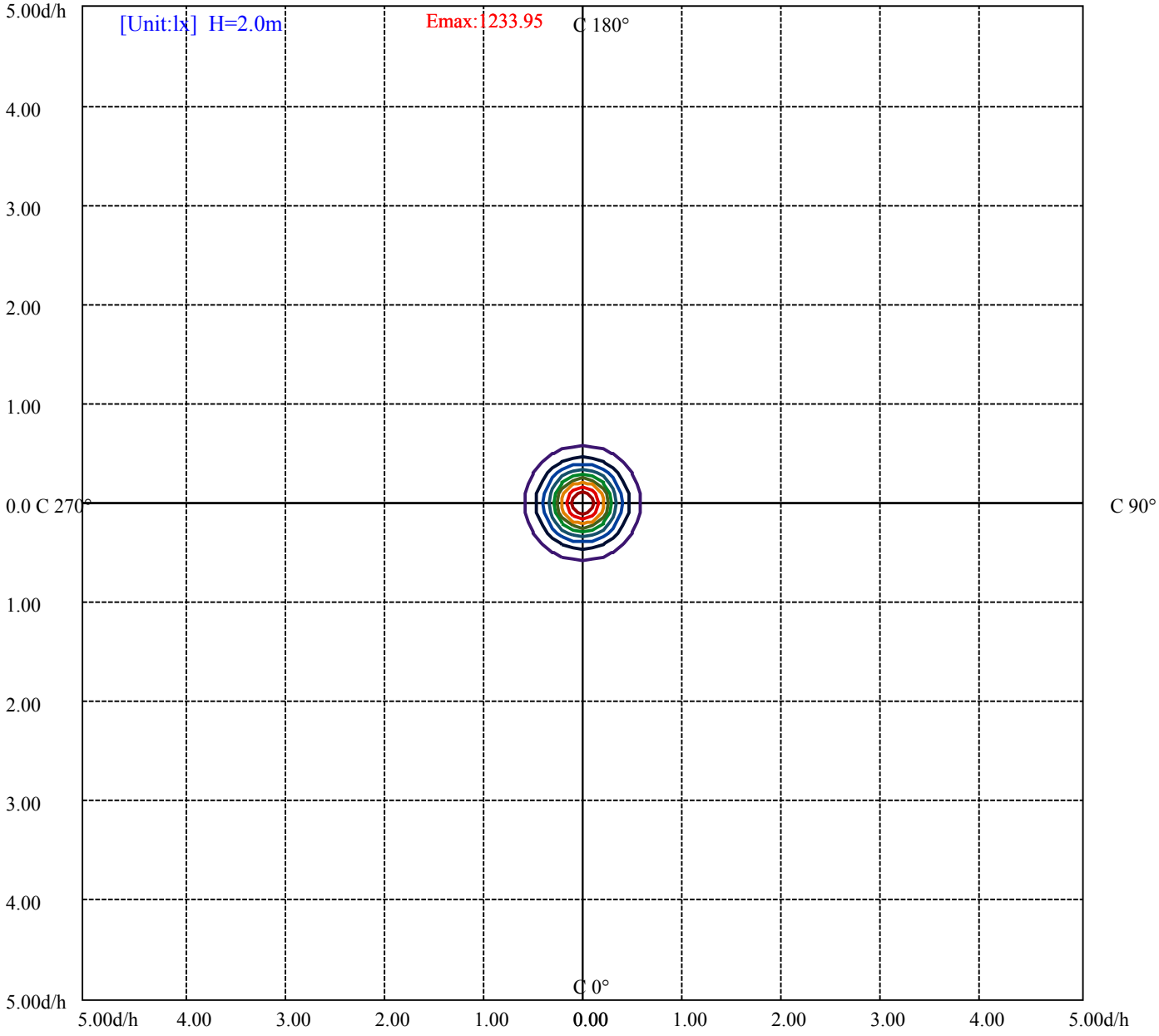
Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 3-2807-L

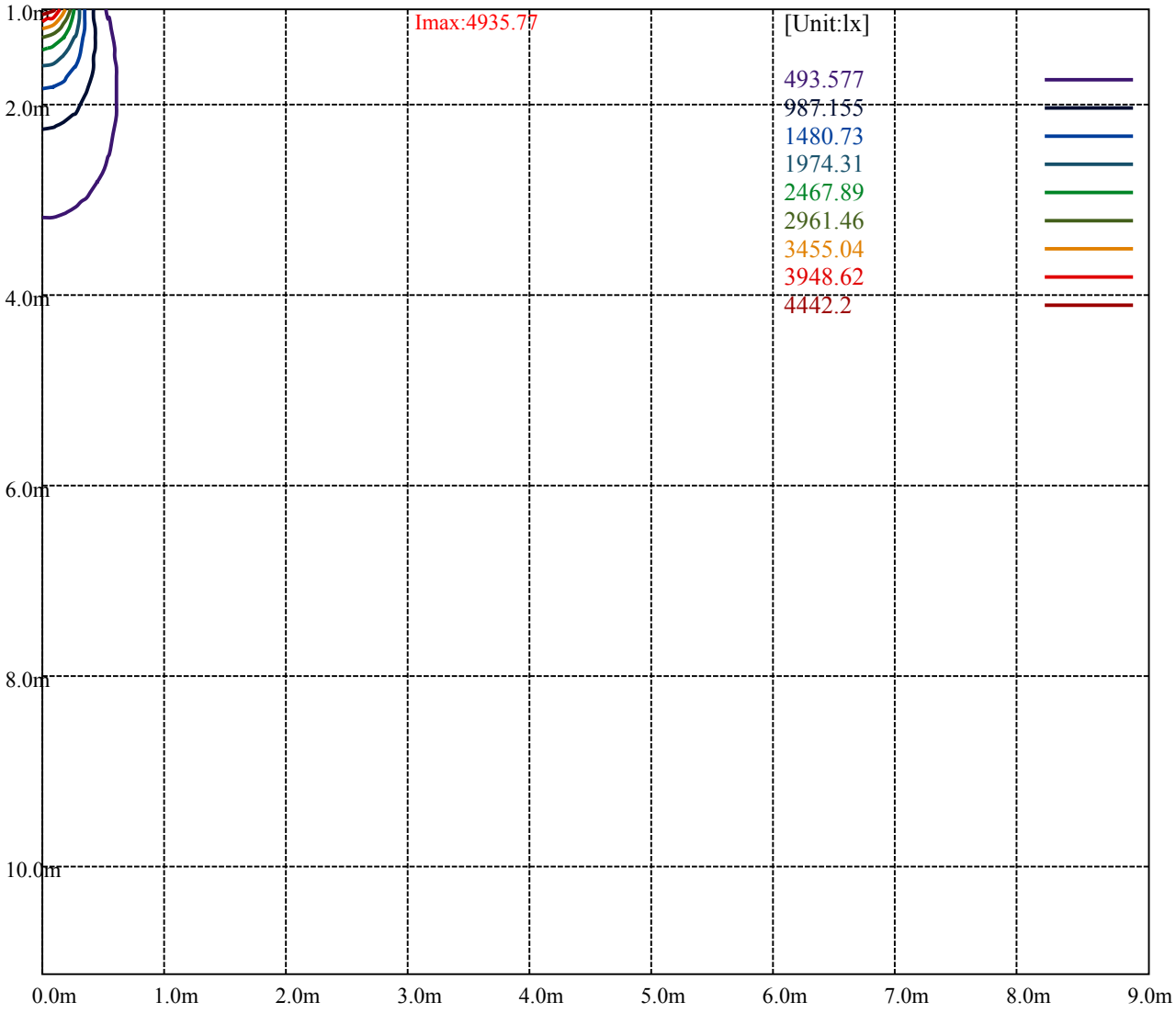
ISO illuminance diagram



(10%Emax) 123.3942
(20%Emax) 246.7885
(30%Emax) 370.1825
(40%Emax) 493.5775
(50%Emax) 616.9725
(60%Emax) 740.365
(70%Emax) 863.76
(80%Emax) 987.155
(90%Emax) 1110.547

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

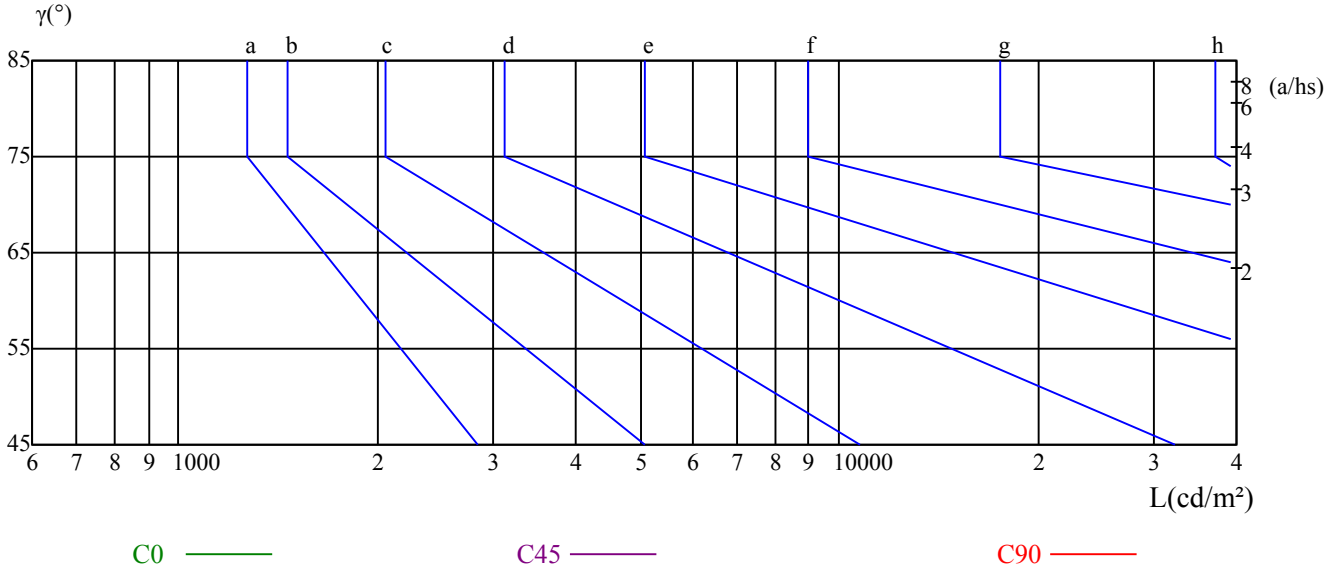
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

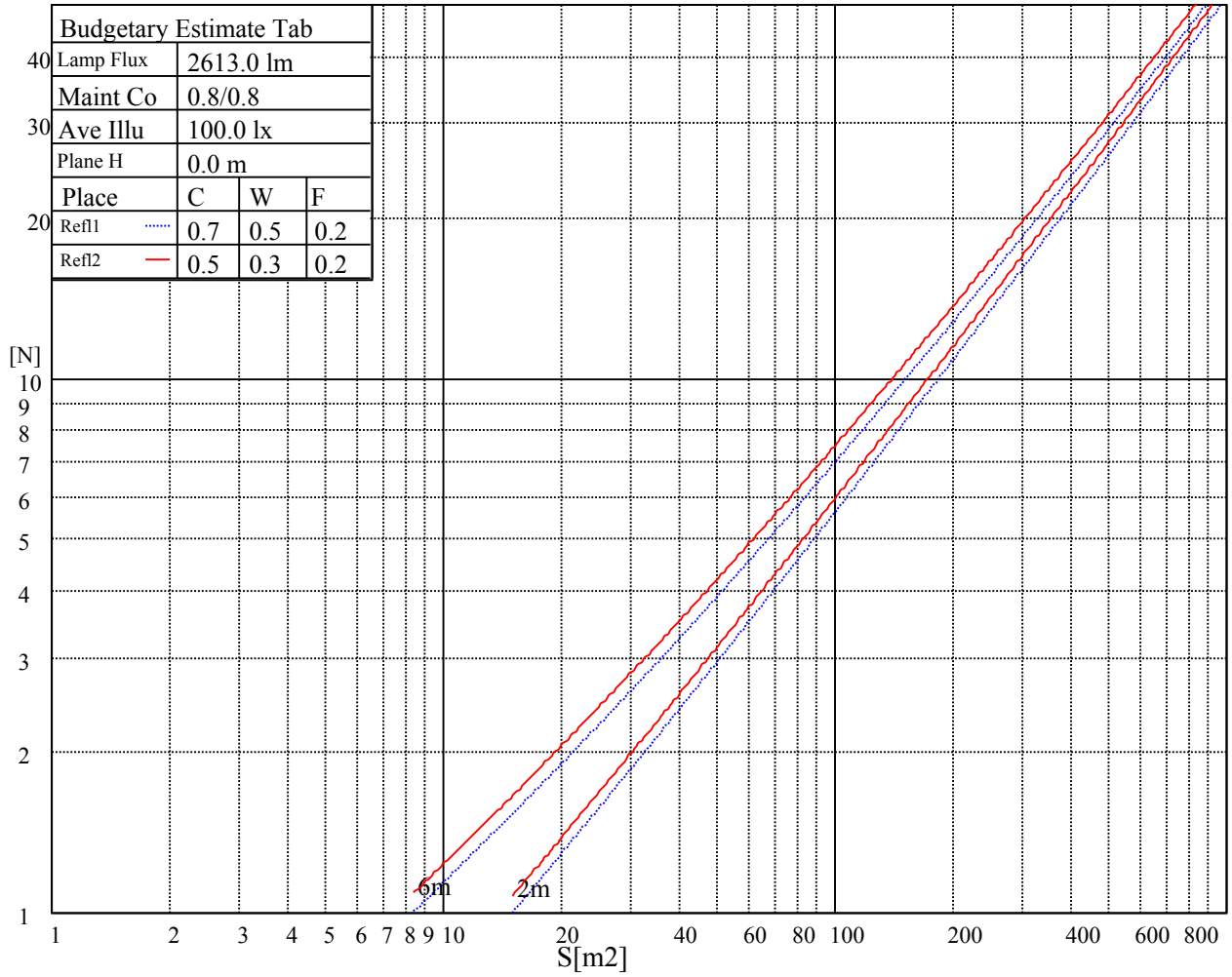
Luminance Limitting Curve



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

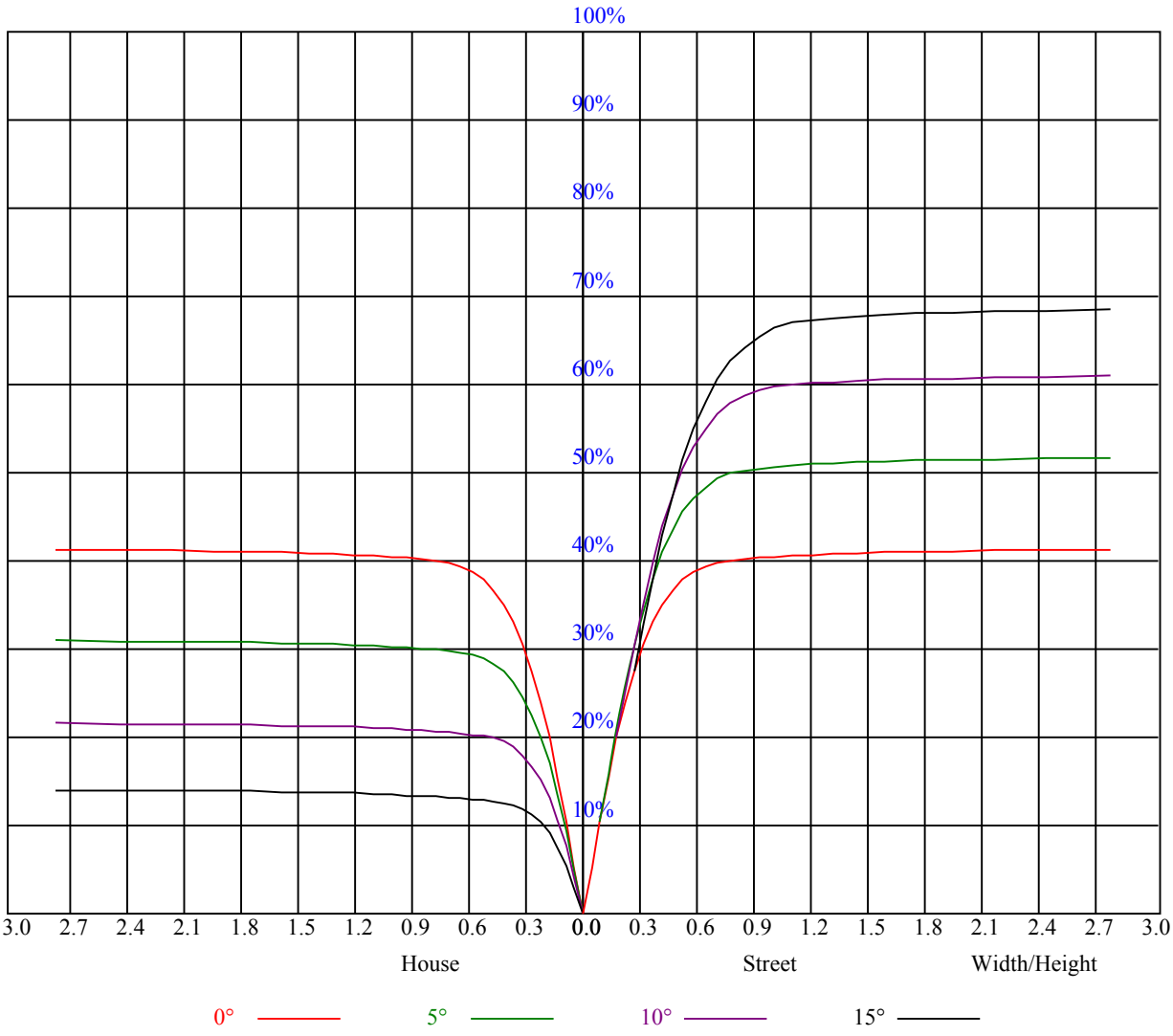


Equipment: GMS1980 Date: 2024/2/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

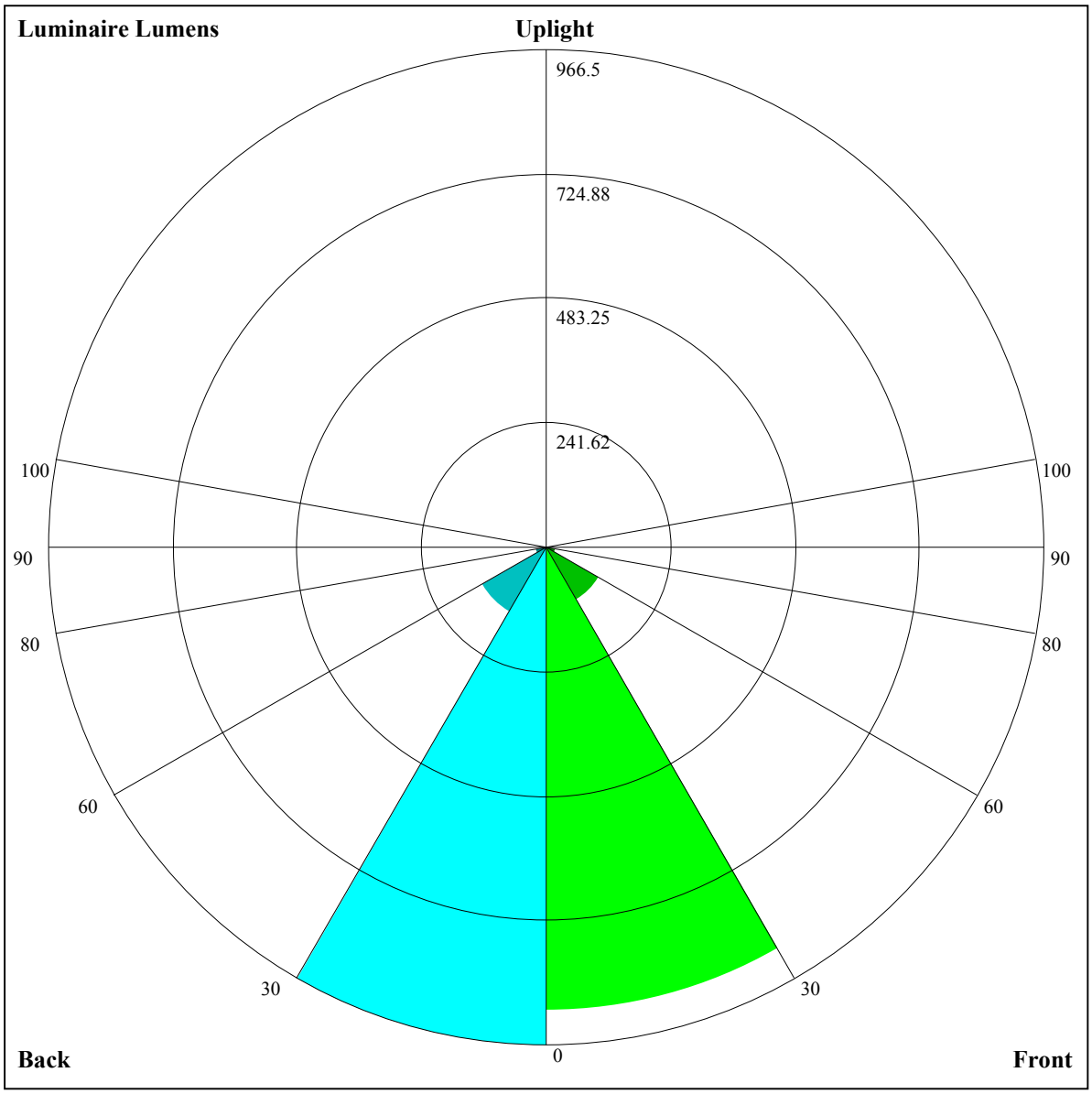
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.78
2	0.87	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51

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=898.21,FM=117.37,FH=19.98,FVH=5.9
BL=966.5,BM=143.52,BH=20.75,BVH=6.13
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	4910.68	4864.45	4814.12	4753.84	4672.49	4551.35	4429.63	4293.85	4146.38
45.0	4943.45	4928.82	4906.58	4857.43	4803.59	4734.53	4649.67	4518.00	4393.93
90.0	4942.87	4920.05	4880.25	4836.36	4780.76	4689.47	4595.25	4477.03	4303.22
135.0	4946.38	4947.55	4928.24	4889.03	4848.65	4777.25	4704.10	4616.90	4476.44
180.0	4910.68	4936.43	4942.87	4916.53	4886.10	4827.58	4773.74	4697.66	4611.05
225.0	4942.87	4931.16	4896.64	4843.38	4789.54	4725.17	4617.48	4519.17	4394.51
270.0	4942.87	4948.14	4930.58	4889.61	4835.19	4780.76	4712.29	4599.93	4493.42
315.0	4946.38	4925.31	4875.57	4826.41	4767.89	4698.83	4583.54	4467.08	4335.99
360.0	4910.68	4864.45	4814.12	4753.84	4672.49	4551.35	4429.63	4293.85	4146.38

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3933.36	3748.42	3558.81	3307.75	3107.02	2906.87	2657.57	2459.17	2226.84
45.0	4254.06	4095.46	3919.90	3686.39	3491.51	3296.63	3049.08	2845.42	2597.29
90.0	4146.96	3935.70	3749.60	3557.06	3368.03	3119.31	2913.31	2703.21	2510.09
135.0	4345.35	4198.46	4036.36	3815.14	3625.53	3430.65	3235.77	2981.19	2782.22
180.0	4481.13	4361.74	4228.31	4073.22	3863.13	3682.29	3491.51	3301.31	3062.54
225.0	4254.64	4060.35	3892.98	3719.75	3543.01	3310.68	3122.23	2933.79	2695.02
270.0	4365.84	4183.25	4025.24	3847.91	3617.33	3429.48	3236.94	2996.41	2802.12
315.0	4183.83	3976.08	3794.66	3561.15	3373.88	3183.68	2941.98	2748.28	2557.49
360.0	3933.36	3748.42	3558.81	3307.75	3107.02	2906.87	2657.57	2459.17	2226.84

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2051.86	1886.24	1732.91	1591.29	1425.67	1147.80	1147.80	1075.06	964.80
45.0	2408.26	2221.57	2001.53	1833.57	1682.00	1540.96	1375.34	1246.00	1131.30
90.0	2276.00	2096.92	1926.03	1768.61	1587.19	1449.66	1144.23	1144.23	1071.37
135.0	2587.92	2355.00	2171.24	1955.88	1797.87	1651.56	1516.38	1356.61	1233.13
180.0	2865.91	2618.94	2429.33	2252.00	2040.15	1876.88	1721.21	1541.54	1414.55
225.0	2505.99	2274.24	2096.92	1929.55	1738.18	1597.14	1461.37	1145.99	1145.99
270.0	2611.33	2420.55	2187.04	2020.26	1866.93	1715.94	1529.25	1408.11	1249.51
315.0	2325.16	2143.74	1974.61	1816.60	1637.52	1502.92	1155.18	1155.18	1104.96
360.0	2051.86	1886.24	1732.91	1591.29	1425.67	1147.80	1147.80	1075.06	964.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	864.49	768.34	635.55	531.09	428.85	309.35	225.96	145.08	106.57
45.0	1030.64	915.94	815.28	712.86	588.21	491.65	375.77	310.23	310.23
90.0	967.85	867.13	770.86	665.40	541.45	444.48	351.54	267.16	174.05
135.0	1125.45	1034.15	922.96	824.64	719.89	616.89	491.06	393.33	302.62
180.0	1291.65	1176.95	1077.46	970.95	879.65	775.48	644.98	540.81	436.64
225.0	1071.49	986.40	897.21	794.33	660.31	557.25	458.70	346.63	263.88
270.0	1130.13	1037.66	922.37	818.79	708.77	599.91	477.60	382.21	297.94
315.0	1012.21	921.44	792.86	688.17	582.53	456.65	361.43	275.76	181.83
360.0	864.49	768.34	635.55	531.09	428.85	309.35	225.96	145.08	106.57

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	89.48	81.35	74.27	67.30	62.97	59.22	55.83	52.09	49.39
45.0	140.92	98.90	86.67	78.36	71.92	65.43	61.39	57.88	54.60
90.0	120.50	95.45	85.97	76.37	70.29	64.43	60.40	57.06	53.02
135.0	302.62	133.49	94.22	83.75	76.25	68.82	64.02	59.99	56.65
180.0	316.67	316.67	146.25	106.45	88.02	79.82	71.46	66.31	61.98
225.0	174.34	121.38	95.27	83.45	76.25	70.75	66.01	60.92	57.47
270.0	297.94	145.31	107.80	92.17	83.57	74.79	69.12	63.38	59.34
315.0	125.94	97.67	86.20	76.84	70.93	66.07	61.92	57.41	54.19
360.0	89.48	81.35	74.27	67.30	62.97	59.22	55.83	52.09	49.39

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	46.58	44.59	42.96	41.14	39.80	38.57	36.99	35.99	34.76
45.0	50.97	48.63	46.47	44.07	42.31	40.79	39.15	37.98	36.69
90.0	50.33	47.87	45.30	43.42	41.73	40.20	38.57	37.16	35.99
135.0	52.90	49.98	47.64	45.47	43.07	41.26	39.80	38.22	36.99
180.0	58.35	54.19	51.27	48.63	46.35	43.95	42.25	40.38	39.09
225.0	54.37	51.56	49.16	46.53	44.71	42.66	41.20	39.91	38.33
270.0	55.89	52.09	49.57	47.29	45.41	43.31	41.67	40.32	39.09
315.0	51.27	48.34	46.29	44.01	42.43	40.91	39.62	38.10	36.75
360.0	46.58	44.59	42.96	41.14	39.80	38.57	36.99	35.99	34.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.30	31.66	30.26	28.68	27.45	25.69	24.40	23.41	22.06
45.0	35.29	34.00	32.42	30.78	29.32	28.03	26.74	25.40	23.99
90.0	34.76	32.95	31.66	29.85	28.32	27.15	25.52	24.35	23.29
135.0	35.64	34.29	33.12	31.66	30.08	28.62	27.27	25.98	24.29
180.0	37.75	36.11	35.00	33.83	32.54	30.84	29.50	28.09	26.80
225.0	37.04	35.76	34.12	32.71	31.37	29.85	28.15	26.98	25.69
270.0	37.45	36.28	35.00	33.24	31.89	30.49	28.73	27.62	25.87
315.0	35.70	34.29	32.60	31.31	29.79	28.38	26.80	25.46	23.94
360.0	33.30	31.66	30.26	28.68	27.45	25.69	24.40	23.41	22.06

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.01	20.01	19.37	18.49	18.02	18.02	18.26	18.08	17.79
45.0	23.06	21.71	20.89	20.37	19.84	19.66	19.90	20.31	20.13
90.0	22.30	21.01	20.31	19.96	19.66	19.96	20.31	20.31	19.61
135.0	23.29	22.36	21.30	20.19	19.43	18.61	17.67	16.97	16.27
180.0	25.22	23.99	23.00	21.71	20.72	19.96	19.02	18.20	17.56
225.0	24.58	23.47	22.65	22.18	22.12	22.18	22.30	22.47	22.65
270.0	24.70	23.82	23.06	22.47	22.36	22.41	22.65	23.00	23.17
315.0	22.88	21.77	20.66	19.90	19.14	18.08	17.50	16.91	16.21
360.0	21.01	20.01	19.37	18.49	18.02	18.02	18.26	18.08	17.79

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.73	17.67	17.44	17.21	17.26	17.15	15.86	13.87	11.82
45.0	19.78	19.55	19.08	18.55	18.14	17.56	16.09	15.16	13.93
90.0	19.02	18.67	18.38	17.73	16.91	16.21	15.45	14.22	13.34
135.0	15.57	15.04	14.46	13.99	13.58	13.17	12.82	12.47	12.17
180.0	17.38	17.21	16.68	16.09	15.92	15.51	15.27	15.04	14.81
225.0	22.41	22.00	21.77	21.30	20.42	19.49	18.43	17.09	15.68
270.0	23.12	22.71	22.06	21.65	21.07	20.13	19.43	17.91	16.91
315.0	15.45	14.98	14.46	13.99	13.52	13.17	12.76	12.47	12.11
360.0	17.73	17.67	17.44	17.21	17.26	17.15	15.86	13.87	11.82

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.06	10.83	10.59	10.36	9.89	9.66	9.42	9.48	9.48
45.0	12.70	12.00	11.06	10.71	10.36	9.95	9.77	9.77	9.36
90.0	12.17	11.47	11.00	10.59	10.18	9.95	9.71	9.83	9.48
135.0	11.88	11.53	11.18	10.89	10.59	10.12	9.95	9.77	9.77
180.0	14.57	14.05	12.87	11.65	10.94	10.71	10.36	10.01	9.77
225.0	14.57	13.05	12.11	11.41	10.83	10.48	9.95	9.71	9.83
270.0	15.33	13.75	12.06	11.41	11.00	10.65	10.18	9.83	9.66
315.0	11.76	11.53	11.24	10.94	10.71	10.12	9.83	9.71	9.42
360.0	11.06	10.83	10.59	10.36	9.89	9.66	9.42	9.48	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.48
90.0	9.54
135.0	9.48
180.0	9.60
225.0	9.36
270.0	9.36
315.0	9.77
360.0	9.42