NATA LIGHTING CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 1-0936-N
Luminaire: 92.70.246.00

Report No: 200730-B001	Voltage(V): 34.8500
Test No: 200730-C001	Current(A): 0.2930
LampCAT: CITIZEN CLU028	Power (W): 10.2110
Lamp flux(lm): 1206.9	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 980.13, Efficiency(%): 81.21% , Luminous Efficacy(lm/W): 95.99
Central intensity(cd): 4257.140, Maximum intensity(cd): 4257.140
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.4
[C90/270]Total=23.4
Field angle(10%Imax): [C0/180]Total=49.8
[C90/270]Total=49.8
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 81.21%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.221%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4257.141	0.000	0	.000%	.000%
1.0	4235.555	4.064	4.064	.337%	.415%
2.0	4170.867	12.066	16.129	1.000%	1.646%
3.0	4058.016	19.681	35.81	1.631%	3.654%
4.0	3911.906	26.678	62.488	2.211%	6.375%
5.0	3722.063	32.841	95.329	2.721%	9.726%
6.0	3511.055	38.012	133.341	3.150%	13.604%
7.0	3278.461	42.142	175.483	3.492%	17.904%
8.0	3035.250	45.186	220.669	3.744%	22.514%
9.0	2781.844	47.144	267.814	3.906%	27.324%
10.0	2528.086	48.053	315.867	3.982%	32.227%
11.0	2286.703	48.110	363.976	3.986%	37.136%
12.0	2065.430	47.575	411.551	3.942%	41.990%
13.0	1834.805	46.286	457.837	3.835%	46.712%
14.0	1626.258	44.301	502.138	3.671%	51.232%
15.0	1440.492	42.102	544.24	3.489%	55.527%
16.0	1283.576	39.915	584.155	3.307%	59.600%
17.0	1127.665	37.549	621.705	3.111%	63.431%
18.0	1008.359	35.218	656.923	2.918%	67.024%
19.0	901.005	33.219	690.142	2.753%	70.413%
20.0	797.759	31.092	721.234	2.576%	73.586%
21.0	709.819	28.949	750.183	2.399%	76.539%
22.0	632.573	26.976	777.159	2.235%	79.292%
23.0	558.366	24.989	802.148	2.071%	81.841%
24.0	486.513	22.845	824.993	1.893%	84.172%
25.0	415.139	20.502	845.494	1.699%	86.264%
26.0	349.980	18.061	863.555	1.497%	88.106%
27.0	289.863	15.654	879.209	1.297%	89.703%
28.0	229.852	13.158	892.367	1.090%	91.046%
29.0	186.630	10.896	903.263	.903%	92.158%
30.0	131.723	8.595	911.859	.712%	93.035%
31.0	95.224	6.316	918.175	.523%	93.679%
32.0	70.629	4.751	922.926	.394%	94.164%
33.0	54.148	3.676	926.602	.305%	94.539%
34.0	44.163	2.975	929.577	.247%	94.842%
35.0	39.220	2.590	932.167	.215%	95.107%
36.0	35.606	2.382	934.549	.197%	95.350%
37.0	32.667	2.227	936.776	.185%	95.577%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	29.974	2.091	938.867	.173%	95.790%
39.0	27.478	1.961	940.828	.162%	95.990%
40.0	25.102	1.834	942.662	.152%	96.177%
41.0	23.098	1.716	944.378	.142%	96.352%
42.0	21.094	1.606	945.984	.133%	96.516%
43.0	19.315	1.497	947.48	.124%	96.669%
44.0	17.888	1.404	948.885	.116%	96.812%
45.0	16.383	1.317	950.202	.109%	96.947%
46.0	14.977	1.226	951.428	.102%	97.072%
47.0	13.739	1.142	952.57	.095%	97.188%
48.0	12.677	1.068	953.638	.088%	97.297%
49.0	11.630	0.998	954.636	.083%	97.399%
50.0	10.680	0.930	955.566	.077%	97.494%
51.0	9.879	0.870	956.436	.072%	97.583%
52.0	9.077	0.813	957.25	.067%	97.666%
53.0	8.452	0.763	958.012	.063%	97.744%
54.0	7.980	0.724	958.736	.060%	97.817%
55.0	7.629	0.697	959.433	.058%	97.889%
56.0	7.334	0.676	960.109	.056%	97.958%
57.0	7.095	0.660	960.769	.055%	98.025%
58.0	6.898	0.647	961.416	.054%	98.091%
59.0	6.764	0.639	962.055	.053%	98.156%
60.0	6.630	0.633	962.688	.052%	98.221%
61.0	6.525	0.628	963.315	.052%	98.285%
62.0	6.427	0.624	963.939	.052%	98.348%
63.0	6.384	0.623	964.562	.052%	98.412%
64.0	6.377	0.626	965.189	.052%	98.476%
65.0	6.391	0.632	965.821	.052%	98.540%
66.0	6.286	0.633	966.453	.052%	98.605%
67.0	6.152	0.625	967.079	.052%	98.669%
68.0	6.019	0.617	967.695	.051%	98.731%
69.0	5.941	0.610	968.305	.051%	98.794%
70.0	5.864	0.606	968.912	.050%	98.856%
71.0	5.766	0.601	969.513	.050%	98.917%
72.0	5.674	0.595	970.107	.049%	98.978%
73.0	5.576	0.588	970.696	.049%	99.038%
74.0	5.491	0.582	971.278	.048%	99.097%
75.0	5.435	0.577	971.855	.048%	99.156%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.379	0.574	972.429	.048%	99.214%
77.0	5.330	0.571	973	.047%	99.273%
78.0	5.259	0.567	973.567	.047%	99.331%
79.0	5.196	0.562	974.129	.047%	99.388%
80.0	5.161	0.558	974.687	.046%	99.445%
81.0	5.147	0.557	975.244	.046%	99.502%
82.0	5.154	0.559	975.803	.046%	99.559%
83.0	5.147	0.560	976.363	.046%	99.616%
84.0	5.140	0.560	976.923	.046%	99.673%
85.0	5.133	0.561	977.484	.046%	99.730%
86.0	5.084	0.558	978.042	.046%	99.787%
87.0	4.816	0.542	978.584	.045%	99.842%
88.0	4.704	0.522	979.106	.043%	99.896%
89.0	4.655	0.513	979.619	.043%	99.948%
90.0	4.641	0.510	980.128	.042%	100.000%

Zonal flux distribution table

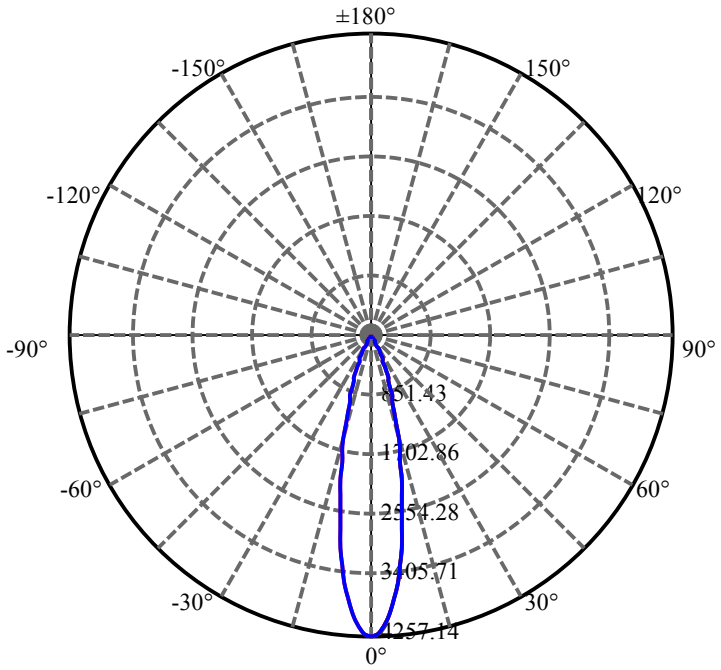
ZONAL LUMEN SUMMARY

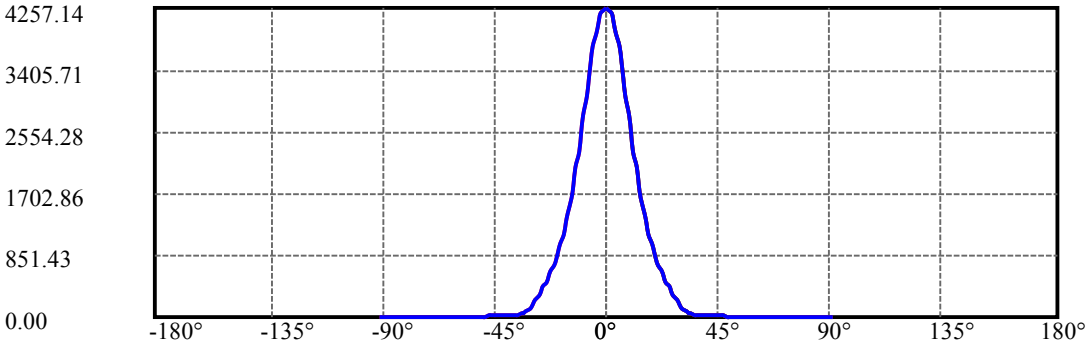
Zone	Lumens	%Lamp	%Fixt
0-30	911.86	75.56%	93.03%
0-40	942.66	78.11%	96.18%
0-60	962.69	79.77%	98.22%
0-90	979.62	81.17%	99.95%
0-120	979.62	81.17%	99.95%
0-180	980.13	81.21%	100.00%
60-90	17.56	1.46%	1.79%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.28	784.10	64.97%	80.00%

ZONAL LUMEN SUMMARY

0-10	315.87
10-20	405.37
20-30	190.62
30-40	30.80
40-50	12.90
50-60	7.12
60-70	6.22
70-80	5.78
80-90	4.93
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):

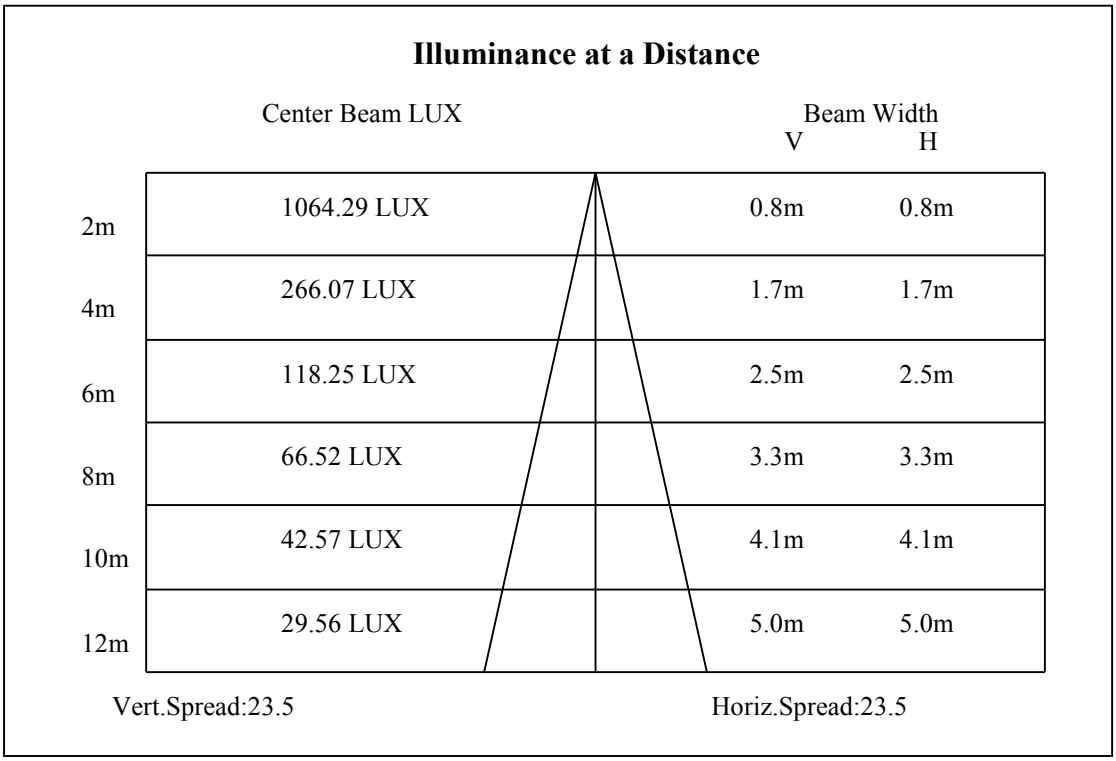
C0/C180:

C90/C270:

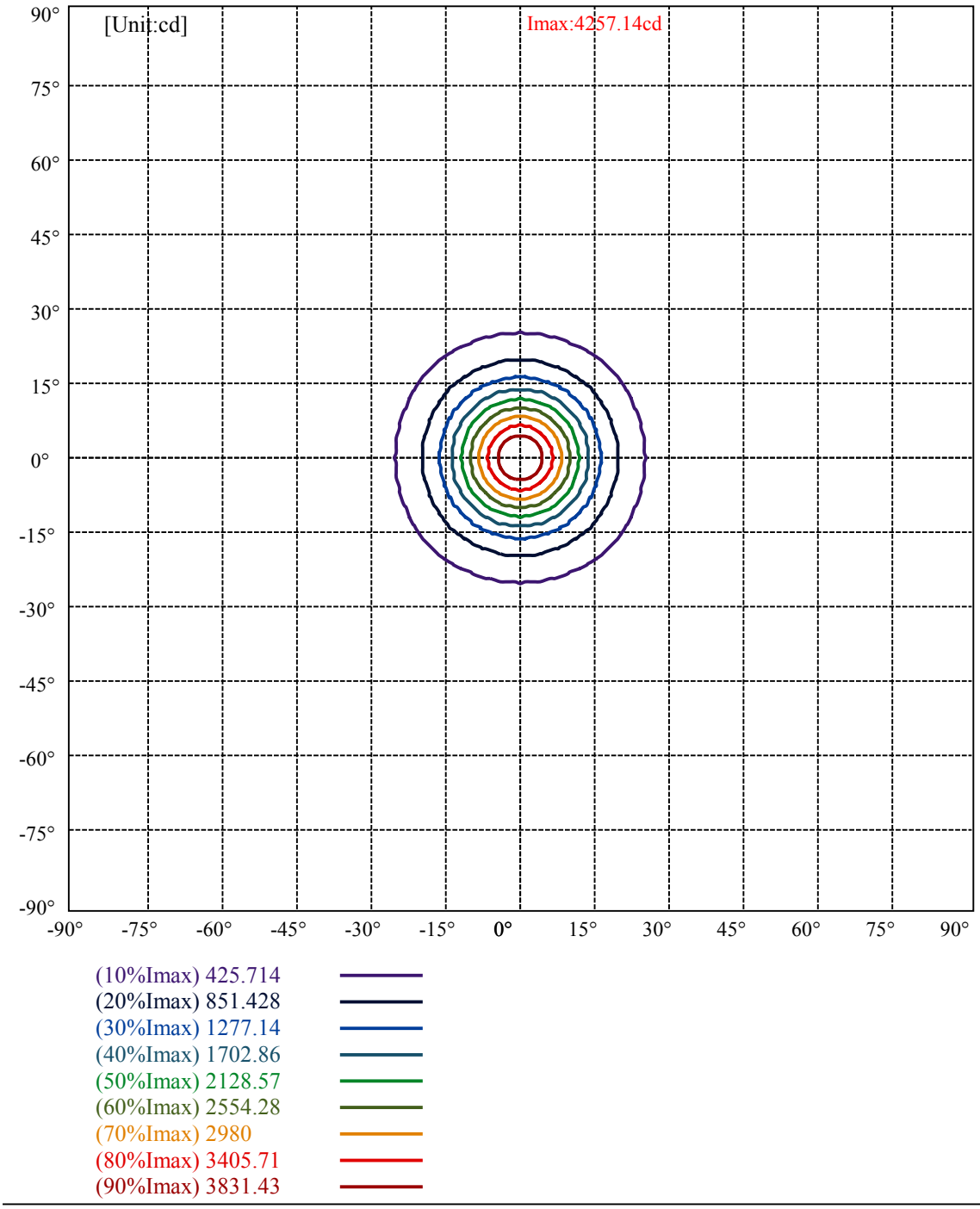
Field angle(10%Imax):C0/180Left:24.9 Right:24.9
:C90/270Left:24.9 Right:24.9

Beam Angle(50%Imax):C0/180Left:11.7 Right:11.7
:C90/270Left:11.7 Right:11.7

Lux distance Curve



ISO-Intensity(V-H)



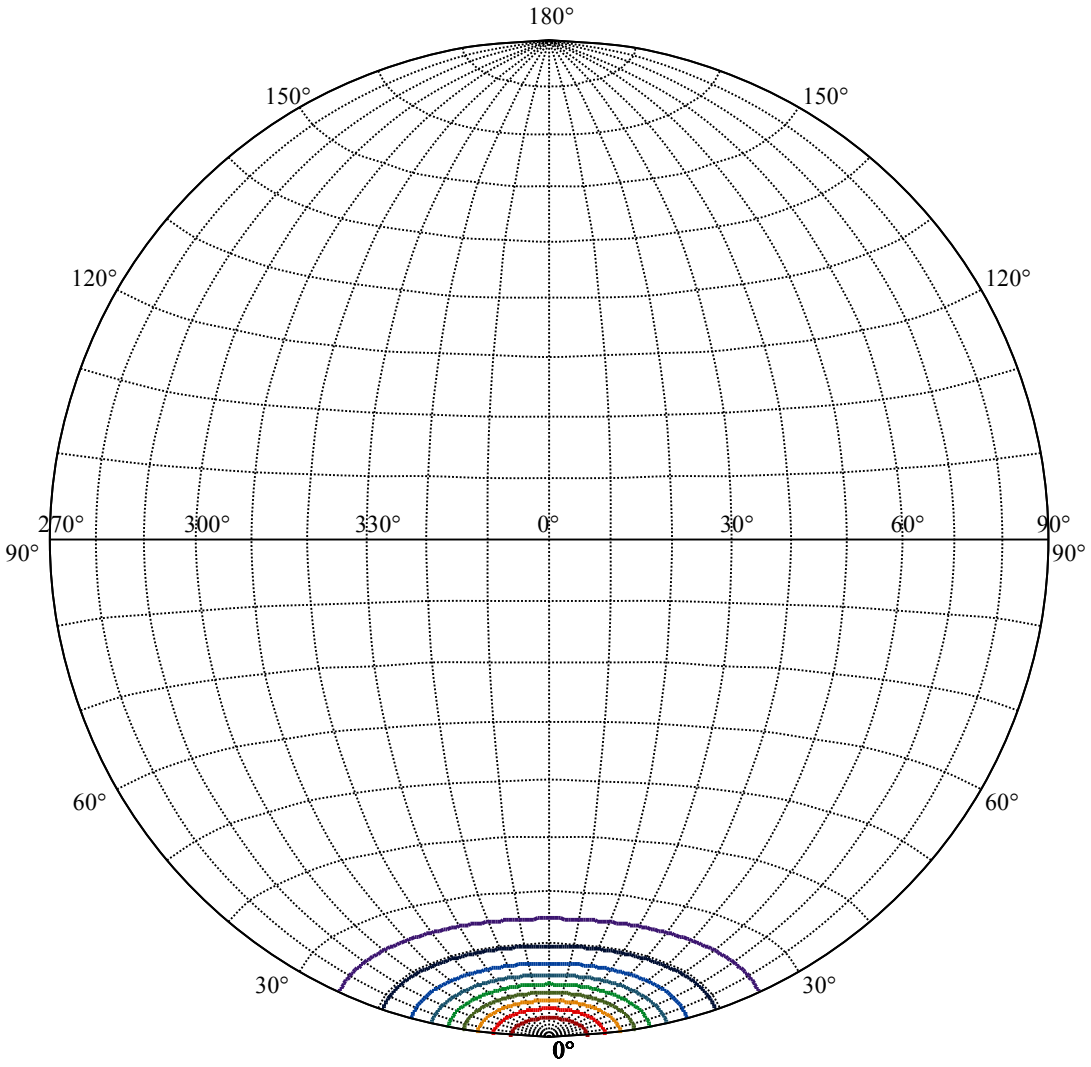
(10%Imax) 425.714
(20%Imax) 851.428
(30%Imax) 1277.14
(40%Imax) 1702.86
(50%Imax) 2128.57
(60%Imax) 2554.28
(70%Imax) 2980
(80%Imax) 3405.71
(90%Imax) 3831.43

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4257.14

(10%Imax) 425.714
(20%Imax) 851.428
(30%Imax) 1277.14
(40%Imax) 1702.86
(50%Imax) 2128.57
(60%Imax) 2554.28
(70%Imax) 2980
(80%Imax) 3405.71
(90%Imax) 3831.43

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

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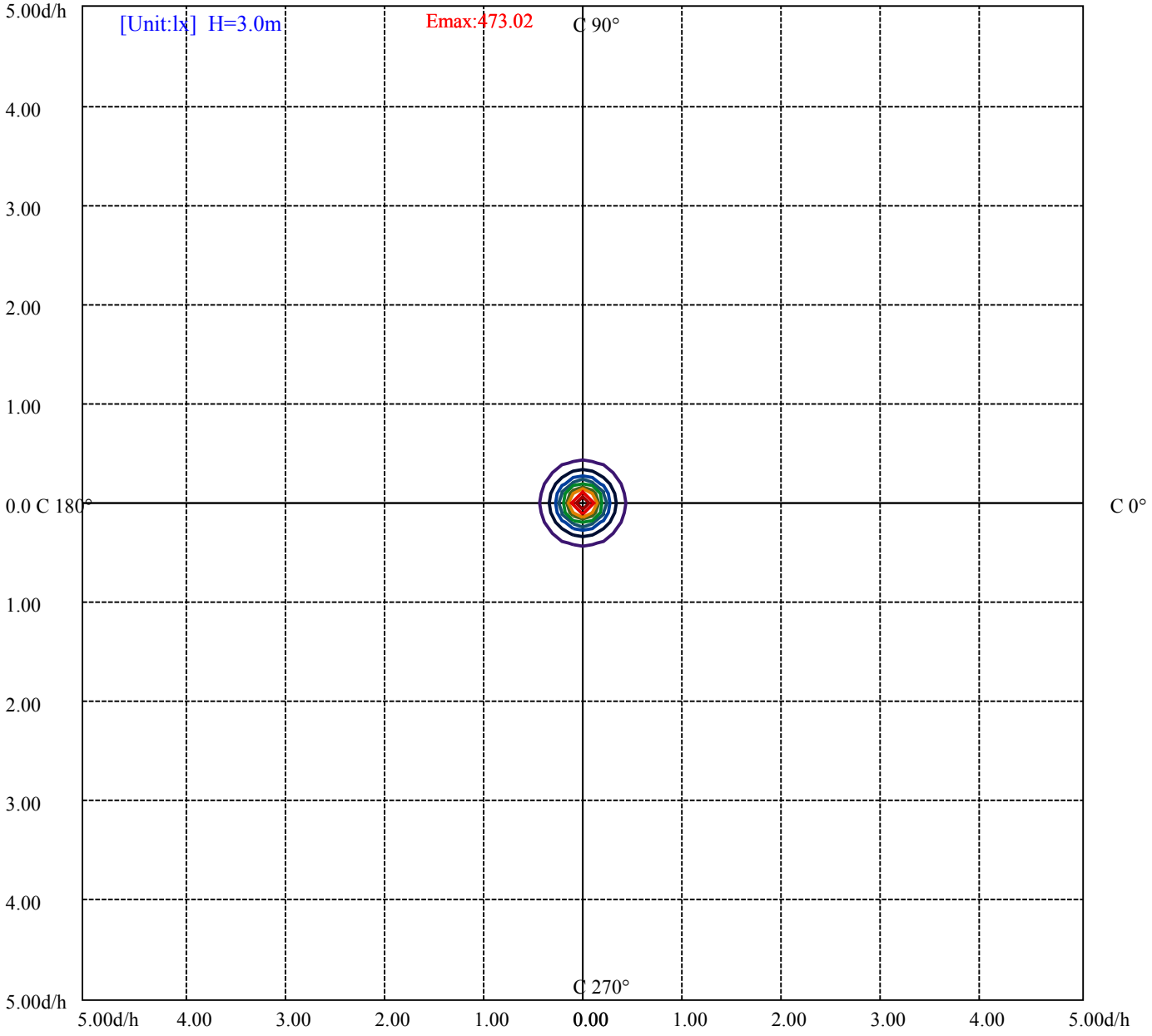
ISO illuminance diagram

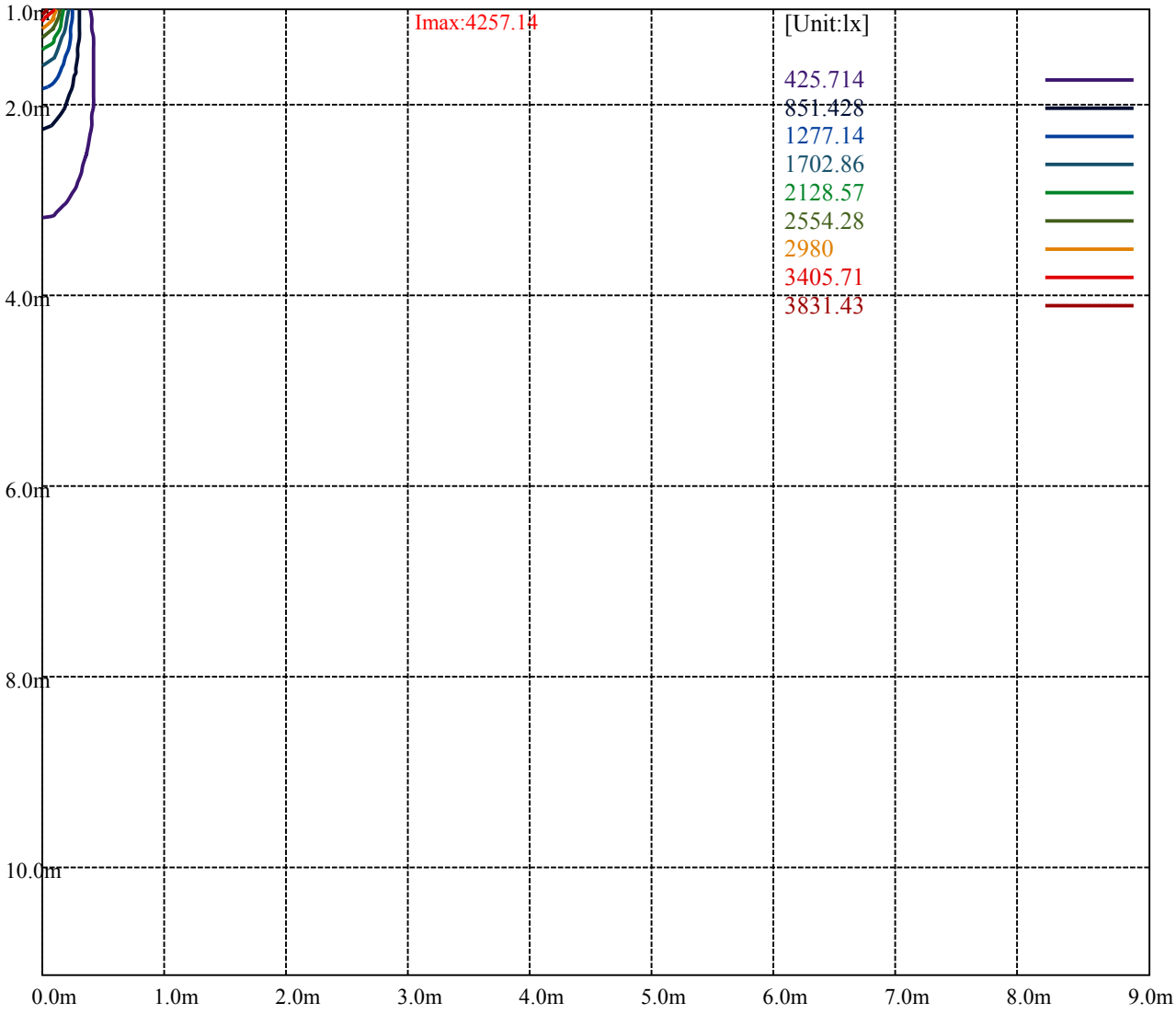


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

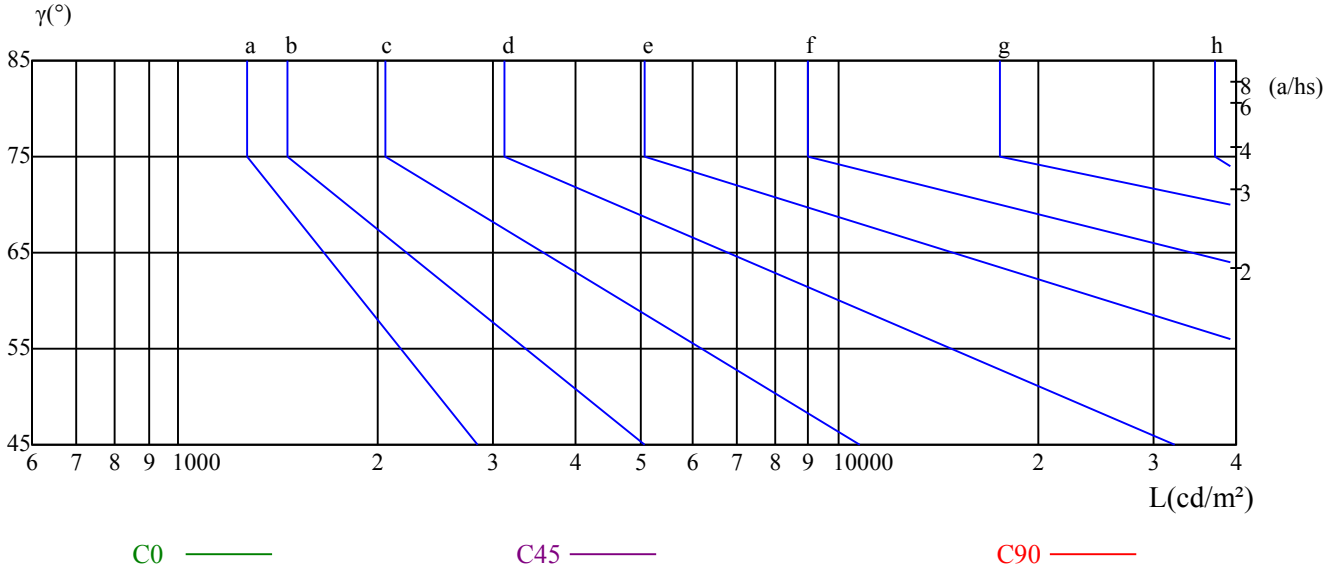
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

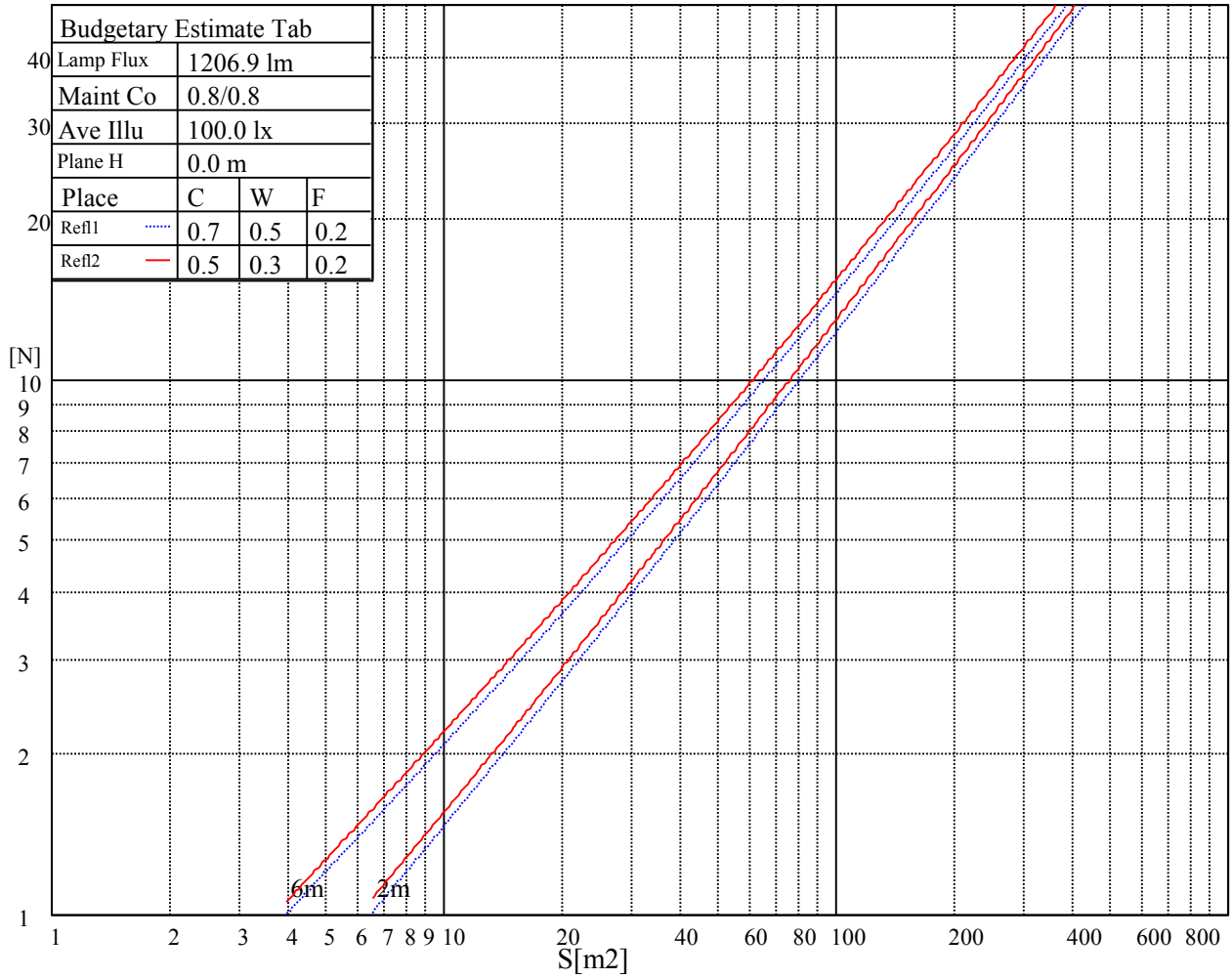
Luminance Limitting Curve



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

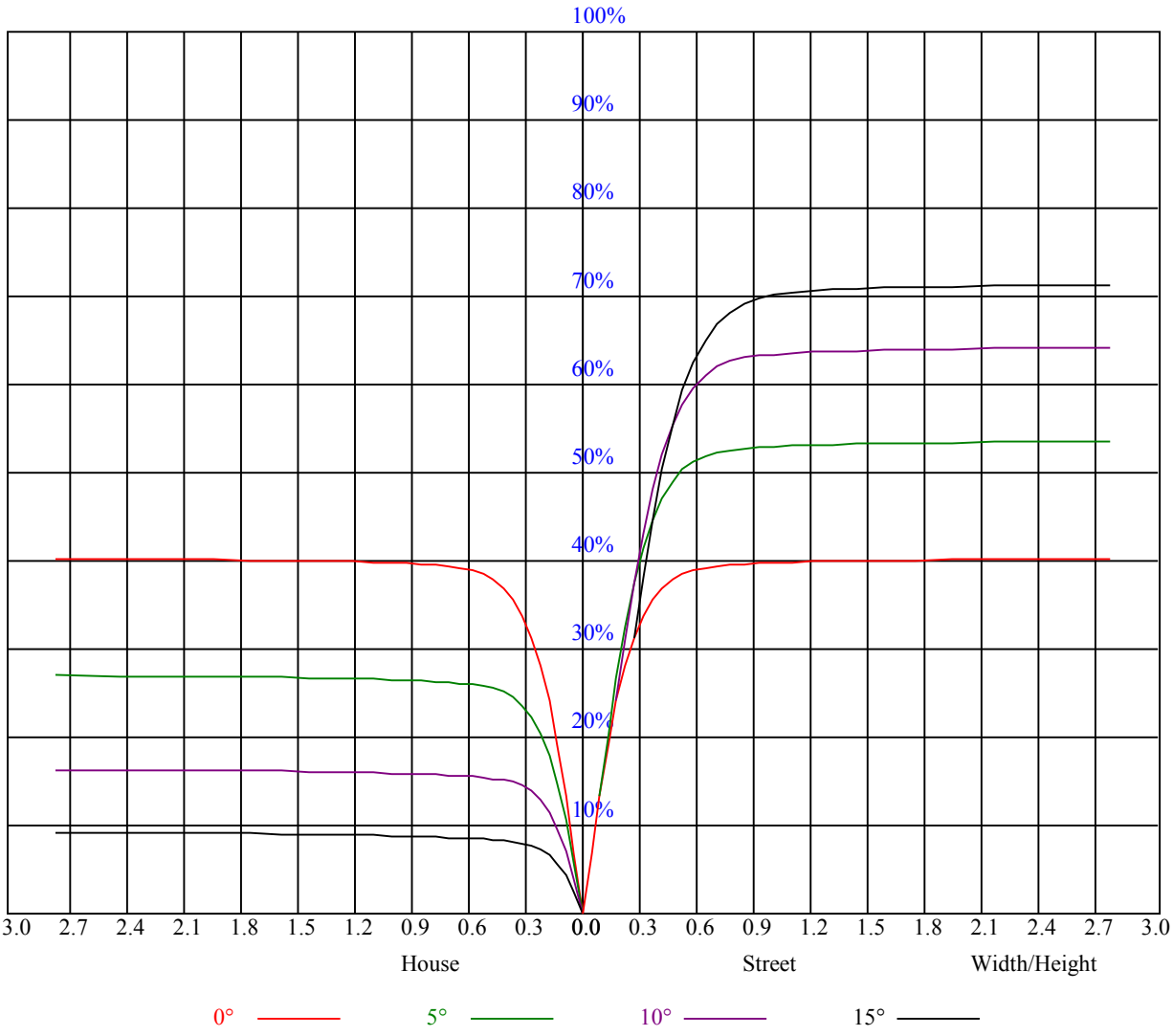


Equipment: GMS1980 Date: 2020/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

Utilization factor table for indoor luminaire

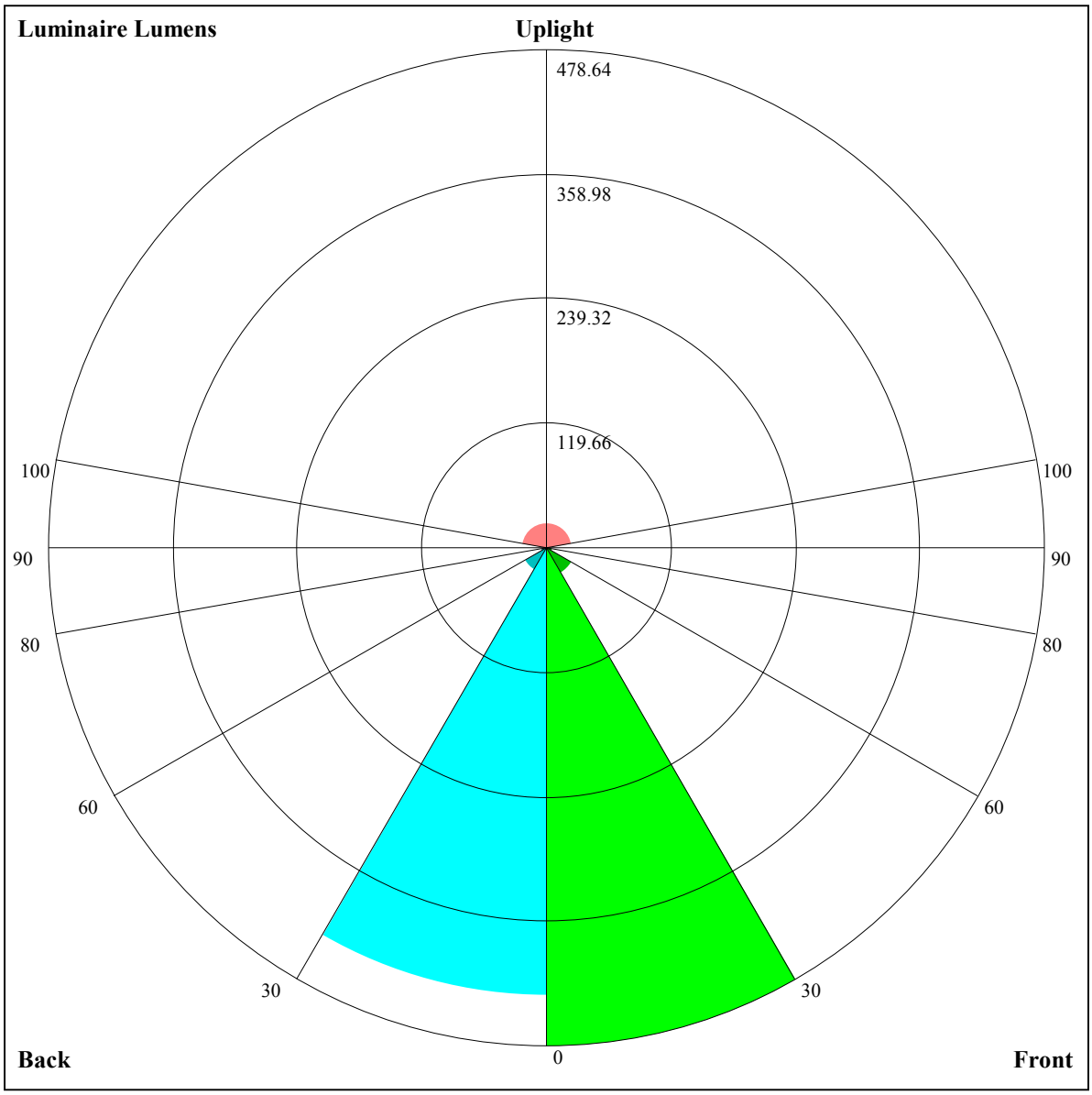
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.97	0.97	0.97	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.83	0.83	0.83	0.81
1	0.91	0.89	0.88	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78
2	0.86	0.84	0.82	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.76	0.74
3	0.82	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.75	0.73	0.71	0.73	0.72	0.70	0.69
5	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.71	0.69	0.68	0.67
6	0.73	0.69	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.69	0.67	0.65	0.64
7	0.70	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.65	0.63	0.61	0.60
9	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.64	0.61	0.59	0.59
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/7/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

LCS Graph



Luminaire Lumens:
FL=478.64,FM=27.85,FH=6.01,FVH=2.68
BL=430.69,BM=23.85,BH=5.98,BVH=2.73
UL=5.06,UH=24.09

BUG Rating:B1-U2-G0

Equipment: GMS1980	Date: 2020/7/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

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	4266.56	4304.81	4294.69	4239.00	4137.19	3987.00	3791.25	3592.13	3377.81
45.0	4244.06	4284.00	4264.88	4201.88	4107.94	3941.44	3762.56	3561.75	3317.06
90.0	4251.94	4241.81	4186.69	4078.13	3944.25	3746.81	3547.13	3299.06	3037.50
135.0	4266.00	4235.63	4164.19	4041.56	3893.06	3714.19	3461.06	3240.00	3009.94
180.0	4266.56	4185.56	4070.25	3902.06	3692.25	3486.94	3264.19	2976.19	2732.06
225.0	4244.06	4165.88	4051.13	3876.19	3697.88	3471.75	3250.69	3003.75	2733.19
270.0	4251.94	4220.44	4138.31	4035.38	3882.38	3657.94	3461.06	3243.94	2989.13
315.0	4266.00	4246.31	4196.81	4089.94	3940.31	3770.44	3550.50	3310.88	3085.31
360.0	4266.56	4304.81	4294.69	4239.00	4137.19	3987.00	3791.25	3592.13	3377.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3096.00	2864.81	2629.69	2368.13	2117.81	1901.25	1678.50	1479.38	1316.25
45.0	3065.06	2828.25	2559.38	2322.56	2069.44	1834.88	1641.94	1451.25	1275.75
90.0	2796.19	2530.69	2273.63	2053.13	1848.38	1609.88	1442.81	1290.38	1119.04
135.0	2722.50	2482.88	2257.31	2042.44	1786.50	1604.25	1440.00	1276.88	1135.13
180.0	2491.31	2208.38	1994.06	1793.81	1586.81	1399.50	1208.81	1103.34	988.37
225.0	2505.94	2253.94	2012.06	1806.75	1616.63	1408.50	1210.50	1120.39	977.06
270.0	2727.56	2498.06	2243.25	2031.19	1805.63	1595.25	1423.13	1245.94	1096.88
315.0	2850.19	2557.69	2324.25	2105.44	1847.25	1656.56	1478.25	1301.06	1112.85
360.0	3096.00	2864.81	2629.69	2368.13	2117.81	1901.25	1678.50	1479.38	1316.25

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1163.25	1039.50	919.69	814.50	729.00	656.44	570.94	502.88	435.94
45.0	1139.63	1019.25	890.44	797.06	712.13	623.81	558.56	490.50	421.31
90.0	1002.71	899.04	807.47	705.38	636.13	572.96	499.73	430.03	365.79
135.0	1006.31	905.63	806.06	725.06	646.31	577.69	493.31	424.13	361.69
180.0	874.07	771.92	691.71	612.79	537.64	470.19	404.16	320.40	268.99
225.0	877.78	788.12	687.66	619.03	550.52	467.89	409.56	338.12	262.97
270.0	979.88	879.19	765.56	685.13	612.56	529.31	462.94	396.56	325.13
315.0	1023.24	905.40	813.49	719.61	636.30	568.63	492.92	418.50	358.03
360.0	1163.25	1039.50	919.69	814.50	729.00	656.44	570.94	502.88	435.94

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	356.06	294.19	286.88	187.59	134.61	100.91	74.53	53.61	44.49
45.0	349.31	293.06	285.75	176.46	131.85	104.18	72.11	54.62	47.42
90.0	298.97	242.44	185.79	136.91	102.54	72.68	53.78	44.83	40.56
135.0	299.25	251.04	175.44	132.41	91.63	68.01	51.98	43.82	39.71
180.0	216.90	164.31	119.25	87.36	62.21	48.15	42.47	38.70	35.89
225.0	214.65	165.38	111.88	84.88	62.27	45.39	40.39	36.73	33.41
270.0	286.31	200.14	148.11	110.31	77.68	55.74	44.72	38.42	35.04
315.0	297.45	228.26	179.94	137.87	99.00	69.98	53.21	42.58	37.24
360.0	356.06	294.19	286.88	187.59	134.61	100.91	74.53	53.61	44.49

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	39.99	36.28	32.85	30.09	27.56	25.37	23.01	21.09	19.63
45.0	41.74	38.25	34.93	31.39	29.14	26.61	23.79	21.83	20.08
90.0	37.01	34.48	31.78	29.19	26.78	24.53	22.33	20.42	18.79
135.0	36.62	33.13	30.71	28.07	25.20	23.29	21.26	19.35	18.00
180.0	32.46	30.04	27.73	25.37	23.01	21.09	19.35	17.72	16.31
225.0	30.26	28.07	25.88	23.79	21.83	20.03	18.56	17.21	15.81
270.0	32.40	29.98	27.34	25.43	23.34	21.71	19.80	18.28	17.10
315.0	34.37	31.11	28.58	26.49	23.96	22.16	20.64	18.62	17.38
360.0	39.99	36.28	32.85	30.09	27.56	25.37	23.01	21.09	19.63

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	18.00	16.65	15.19	14.01	12.77	11.64	10.91	10.01	9.17
45.0	18.28	17.04	15.41	14.18	13.11	12.04	11.03	10.29	9.34
90.0	17.33	15.69	14.34	13.22	12.09	11.03	10.24	9.34	8.66
135.0	16.54	14.68	13.73	12.66	11.42	10.63	9.84	8.89	8.27
180.0	14.79	13.84	12.49	11.53	10.74	9.73	8.94	8.38	7.99
225.0	14.40	13.50	12.21	11.31	10.63	9.68	8.89	8.33	7.99
270.0	15.47	14.12	13.16	12.04	10.97	10.35	9.45	8.66	7.99
315.0	16.26	14.29	13.39	12.49	11.31	10.35	9.73	8.72	8.21
360.0	18.00	16.65	15.19	14.01	12.77	11.64	10.91	10.01	9.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.49	7.99	7.65	7.37	7.09	6.92	6.75	6.64	6.53
45.0	8.61	8.27	7.88	7.54	7.26	7.09	6.92	6.81	6.69
90.0	8.16	7.76	7.48	7.20	6.98	6.81	6.69	6.58	6.47
135.0	7.93	7.54	7.26	6.98	6.86	6.69	6.58	6.47	6.36
180.0	7.65	7.31	7.09	6.98	6.75	6.64	6.53	6.47	6.36
225.0	7.65	7.43	7.14	6.98	6.86	6.75	6.64	6.53	6.47
270.0	7.65	7.37	7.09	6.86	6.69	6.64	6.47	6.36	6.30
315.0	7.71	7.37	7.09	6.86	6.69	6.58	6.47	6.36	6.24
360.0	8.49	7.99	7.65	7.37	7.09	6.92	6.75	6.64	6.53

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.47	6.36	6.36	6.41	6.30	6.13	6.02	5.96	5.85
45.0	6.58	6.47	6.53	6.53	6.41	6.24	6.13	6.02	5.96
90.0	6.41	6.41	6.47	6.24	6.13	5.96	5.91	5.85	5.74
135.0	6.30	6.41	6.41	6.24	6.02	5.91	5.85	5.79	5.63
180.0	6.36	6.47	6.30	6.13	6.02	5.91	5.85	5.74	5.63
225.0	6.53	6.58	6.47	6.30	6.19	6.13	6.08	6.02	5.91
270.0	6.24	6.19	6.36	6.24	6.08	5.96	5.85	5.79	5.74
315.0	6.19	6.13	6.24	6.19	6.08	5.91	5.85	5.74	5.68
360.0	6.47	6.36	6.36	6.41	6.30	6.13	6.02	5.96	5.85

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.79	5.63	5.57	5.51	5.40	5.34	5.29	5.23	5.18
45.0	5.91	5.74	5.68	5.57	5.57	5.51	5.46	5.40	5.34
90.0	5.57	5.51	5.40	5.34	5.29	5.23	5.12	5.06	5.01
135.0	5.51	5.46	5.34	5.34	5.29	5.18	5.12	5.01	5.01
180.0	5.57	5.51	5.40	5.34	5.29	5.23	5.18	5.12	5.12
225.0	5.85	5.79	5.74	5.68	5.63	5.63	5.63	5.57	5.57
270.0	5.63	5.51	5.40	5.34	5.29	5.29	5.18	5.12	5.06
315.0	5.57	5.46	5.40	5.34	5.29	5.23	5.12	5.06	5.01
360.0	5.79	5.63	5.57	5.51	5.40	5.34	5.29	5.23	5.18

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.12	5.06	5.01	5.01	4.95	4.95	4.89	4.78	4.73
45.0	5.29	5.29	5.23	5.23	5.34	5.51	5.29	4.78	4.73
90.0	5.01	4.95	4.95	4.89	4.84	4.78	4.73	4.67	4.61
135.0	4.95	4.95	4.89	4.89	4.84	4.73	4.67	4.61	4.61
180.0	5.12	5.12	5.12	4.95	4.89	4.78	4.67	4.67	4.61
225.0	5.74	6.02	6.19	6.41	6.53	6.36	4.84	4.73	4.73
270.0	5.01	4.95	4.89	4.89	4.84	4.78	4.73	4.73	4.61
315.0	4.95	4.89	4.89	4.84	4.84	4.78	4.73	4.67	4.61
360.0	5.12	5.06	5.01	5.01	4.95	4.95	4.89	4.78	4.73

Intensity data(cd)

C/γ(°)	90.0
0.0	4.67
45.0	4.67
90.0	4.61
135.0	4.61
180.0	4.61
225.0	4.73
270.0	4.61
315.0	4.61
360.0	4.67