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

Nata

Client:
LumCAT: 2-2006-M
Luminaire: 92.70.129.00

Report No: GC2019091909	Voltage(V): 220.4000
Test No: NATA07	Current(A): 0.0700
LampCAT: CREE CXA1830	Power (W): 14.2400
Lamp flux(lm): 1602.0	PF: 0.9180
Number of Lamps: 1	Ballast type: AC
Length(mm): 70	Width(mm): 70
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1413.18, Efficiency(%): 88.21% , Luminous Efficacy(lm/W): 99.24
Central intensity(cd): 4615.438, Maximum intensity(cd): 4615.438
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.8
[C90/270]Total=26.8
Field angle(10%Imax): [C0/180]Total=65.4
[C90/270]Total=65.4
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.21%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.614%

Equipment: GMS 1800	Date: 2019/9/20	Operator: GC2019092003
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 6.81

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4615.439	0.000	0	.000%	.000%
1.0	4603.722	4.411	4.411	.275%	.312%
2.0	4565.961	13.161	17.572	.822%	1.243%
3.0	4502.795	21.689	39.262	1.354%	2.778%
4.0	4413.642	29.846	69.108	1.863%	4.890%
5.0	4294.966	37.464	106.572	2.339%	7.541%
6.0	4144.793	44.353	150.925	2.769%	10.680%
7.0	3969.446	50.365	201.29	3.144%	14.244%
8.0	3748.973	55.239	256.529	3.448%	18.153%
9.0	3542.478	59.093	315.623	3.689%	22.334%
10.0	3250.659	61.475	377.098	3.837%	26.684%
11.0	3013.480	62.592	439.69	3.907%	31.113%
12.0	2682.624	62.267	501.956	3.887%	35.520%
13.0	2421.605	60.574	562.53	3.781%	39.806%
14.0	2112.501	58.036	620.567	3.623%	43.913%
15.0	1846.145	54.346	674.913	3.392%	47.758%
16.0	1565.231	49.986	724.899	3.120%	51.295%
17.0	1305.071	44.698	769.597	2.790%	54.458%
18.0	1164.776	40.722	810.32	2.542%	57.340%
19.0	991.001	37.506	847.826	2.341%	59.994%
20.0	879.564	34.237	882.062	2.137%	62.417%
21.0	794.298	32.142	914.204	2.006%	64.691%
22.0	719.153	30.413	944.617	1.898%	66.843%
23.0	662.750	28.996	973.613	1.810%	68.895%
24.0	621.277	28.073	1001.687	1.752%	70.882%
25.0	589.990	27.542	1029.228	1.719%	72.830%
26.0	567.043	27.312	1056.54	1.705%	74.763%
27.0	550.976	27.353	1083.893	1.707%	76.699%
28.0	537.241	27.551	1111.444	1.720%	78.648%
29.0	525.866	27.814	1139.258	1.736%	80.616%
30.0	514.410	28.087	1167.345	1.753%	82.604%
31.0	500.791	28.252	1195.597	1.764%	84.603%
32.0	480.112	28.102	1223.698	1.754%	86.592%
33.0	453.587	27.507	1251.206	1.717%	88.538%
34.0	419.509	26.422	1277.628	1.649%	90.408%
35.0	375.983	24.705	1302.333	1.542%	92.156%
36.0	325.050	22.321	1324.654	1.393%	93.735%
37.0	274.134	19.542	1344.196	1.220%	95.118%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	226.704	16.717	1360.913	1.044%	96.301%
39.0	165.782	13.397	1374.31	.836%	97.249%
40.0	135.794	10.518	1384.828	.657%	97.993%
41.0	86.542	7.917	1392.745	.494%	98.554%
42.0	47.314	4.863	1397.608	.304%	98.898%
43.0	26.200	2.723	1400.332	.170%	99.090%
44.0	13.068	1.482	1401.814	.093%	99.195%
45.0	9.170	0.855	1402.668	.053%	99.256%
46.0	6.752	0.623	1403.291	.039%	99.300%
47.0	5.470	0.486	1403.777	.030%	99.334%
48.0	4.814	0.416	1404.193	.026%	99.364%
49.0	4.403	0.378	1404.571	.024%	99.390%
50.0	4.060	0.353	1404.924	.022%	99.415%
51.0	3.822	0.334	1405.258	.021%	99.439%
52.0	3.602	0.319	1405.576	.020%	99.462%
53.0	3.405	0.305	1405.881	.019%	99.483%
54.0	3.254	0.293	1406.175	.018%	99.504%
55.0	3.103	0.284	1406.458	.018%	99.524%
56.0	2.947	0.273	1406.732	.017%	99.543%
57.0	2.773	0.261	1406.993	.016%	99.562%
58.0	2.674	0.252	1407.245	.016%	99.580%
59.0	2.575	0.245	1407.49	.015%	99.597%
60.0	2.442	0.237	1407.727	.015%	99.614%
61.0	2.320	0.227	1407.955	.014%	99.630%
62.0	2.233	0.219	1408.174	.014%	99.645%
63.0	2.193	0.215	1408.389	.013%	99.661%
64.0	2.088	0.210	1408.599	.013%	99.676%
65.0	1.984	0.202	1408.801	.013%	99.690%
66.0	1.949	0.196	1408.997	.012%	99.704%
67.0	1.897	0.193	1409.191	.012%	99.717%
68.0	1.816	0.188	1409.379	.012%	99.731%
69.0	1.752	0.182	1409.561	.011%	99.744%
70.0	1.734	0.179	1409.74	.011%	99.756%
71.0	1.682	0.177	1409.916	.011%	99.769%
72.0	1.630	0.172	1410.088	.011%	99.781%
73.0	1.607	0.169	1410.258	.011%	99.793%
74.0	1.578	0.167	1410.425	.010%	99.805%
75.0	1.560	0.166	1410.591	.010%	99.816%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.549	0.165	1410.756	.010%	99.828%
77.0	1.520	0.164	1410.92	.010%	99.840%
78.0	1.508	0.162	1411.082	.010%	99.851%
79.0	1.485	0.161	1411.242	.010%	99.863%
80.0	1.497	0.161	1411.403	.010%	99.874%
81.0	1.491	0.162	1411.565	.010%	99.885%
82.0	1.491	0.162	1411.726	.010%	99.897%
83.0	1.502	0.163	1411.889	.010%	99.908%
84.0	1.491	0.163	1412.052	.010%	99.920%
85.0	1.497	0.163	1412.215	.010%	99.931%
86.0	1.595	0.169	1412.384	.011%	99.943%
87.0	1.769	0.184	1412.568	.011%	99.956%
88.0	1.862	0.199	1412.767	.012%	99.970%
89.0	1.972	0.210	1412.977	.013%	99.985%
90.0	1.810	0.207	1413.185	.013%	100.000%

Zonal flux distribution table

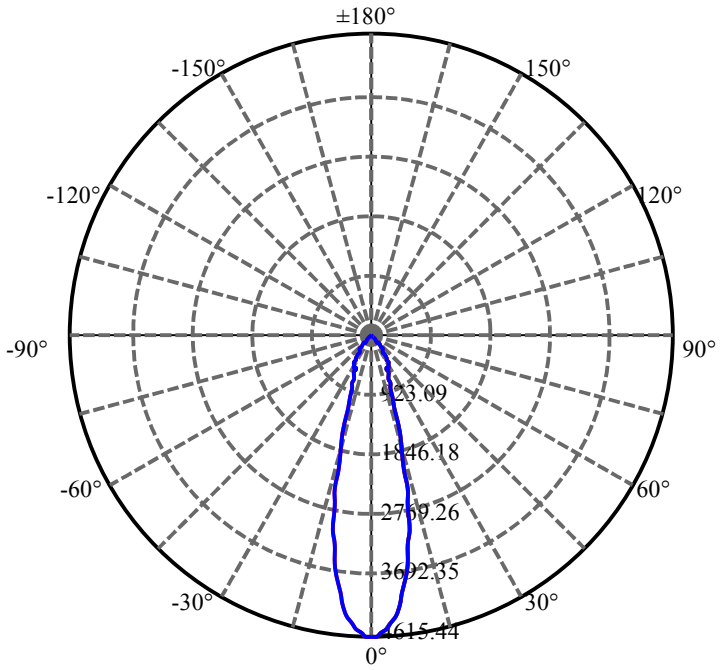
ZONAL LUMEN SUMMARY

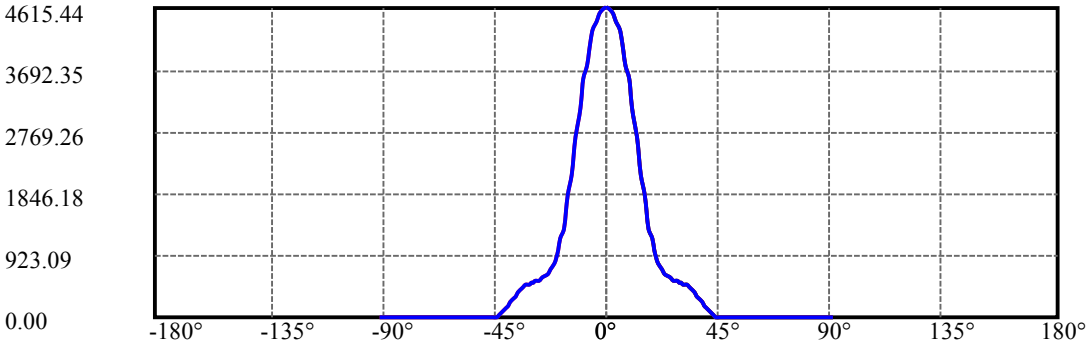
Zone	Lumens	%Lamp	%Fixt
0-30	1167.35	72.87%	82.60%
0-40	1384.83	86.44%	97.99%
0-60	1407.73	87.87%	99.61%
0-90	1412.98	88.20%	99.99%
0-120	1412.98	88.20%	99.99%
0-180	1413.18	88.21%	100.00%
60-90	5.49	0.34%	0.39%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.69	1130.55	70.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	377.10
10-20	504.96
20-30	285.28
30-40	217.48
40-50	20.10
50-60	2.80
60-70	2.01
70-80	1.66
80-90	1.57
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):

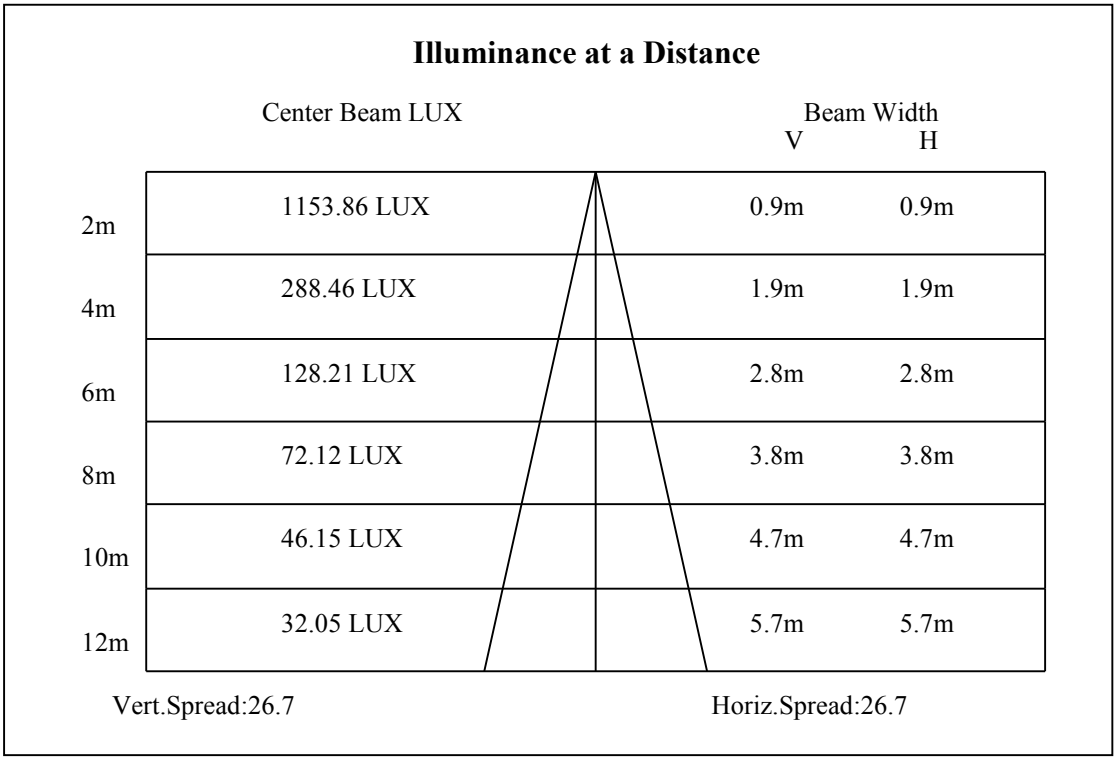
C0/C180:

C90/C270:

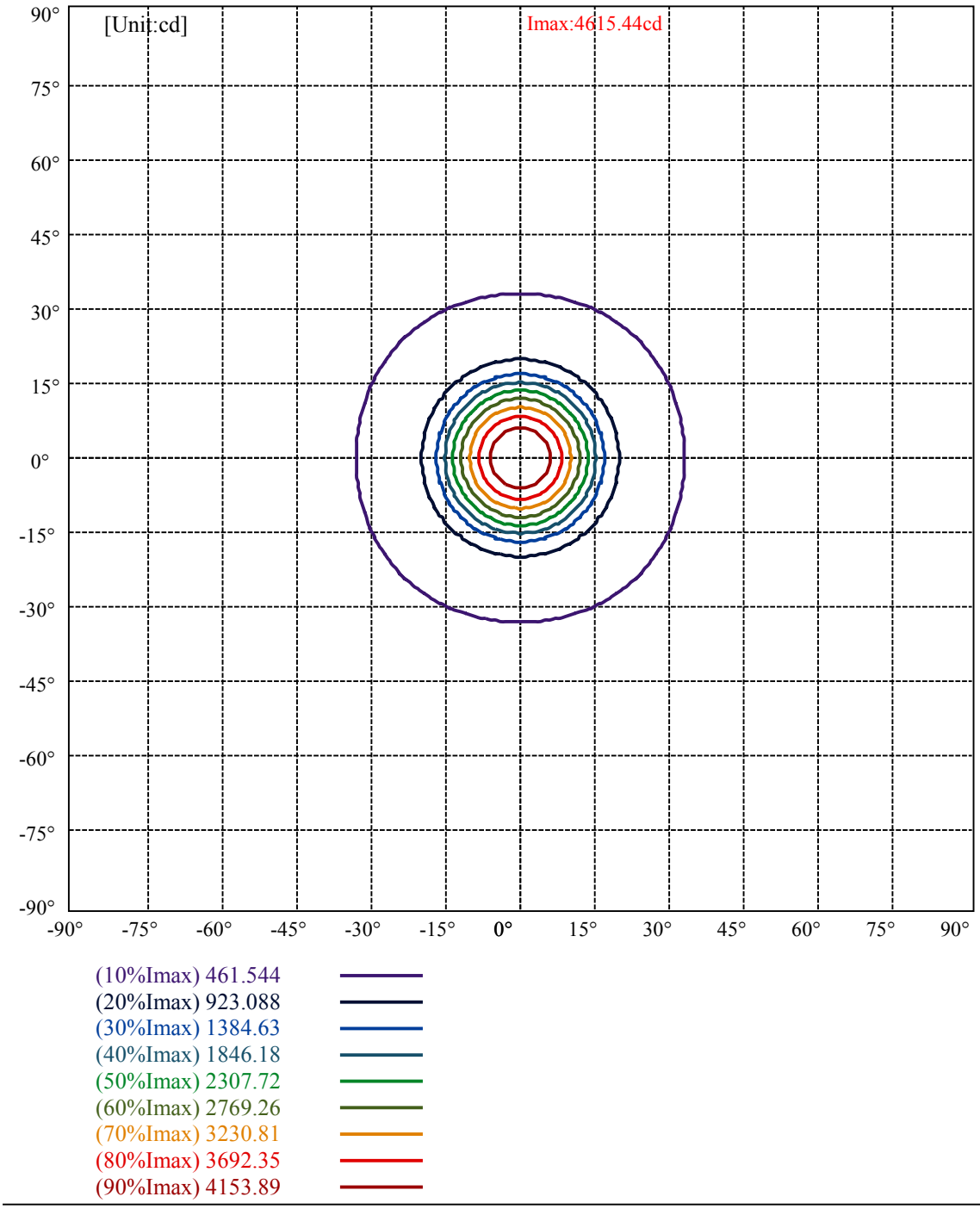
Field angle(10%Imax):C0/180Left:32.7 Right:32.7
:C90/270Left:32.7 Right:32.7

Beam Angle(50%Imax):C0/180Left:13.4 Right:13.4
:C90/270Left:13.4 Right:13.4

Lux distance Curve



ISO-Intensity(V-H)

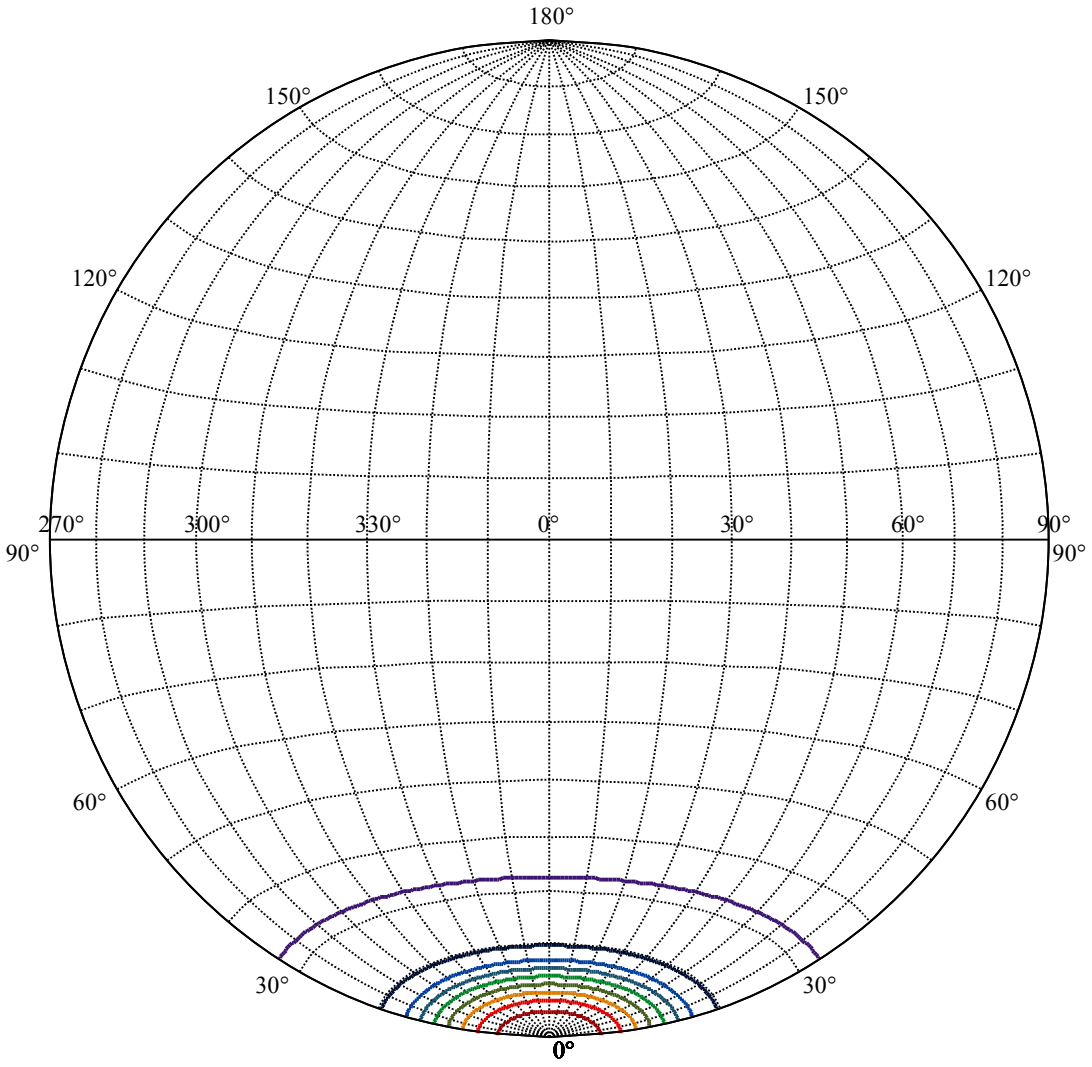


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/9/20
Humidity(%): 60.0%

Operator: GC2019092003
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4615.44

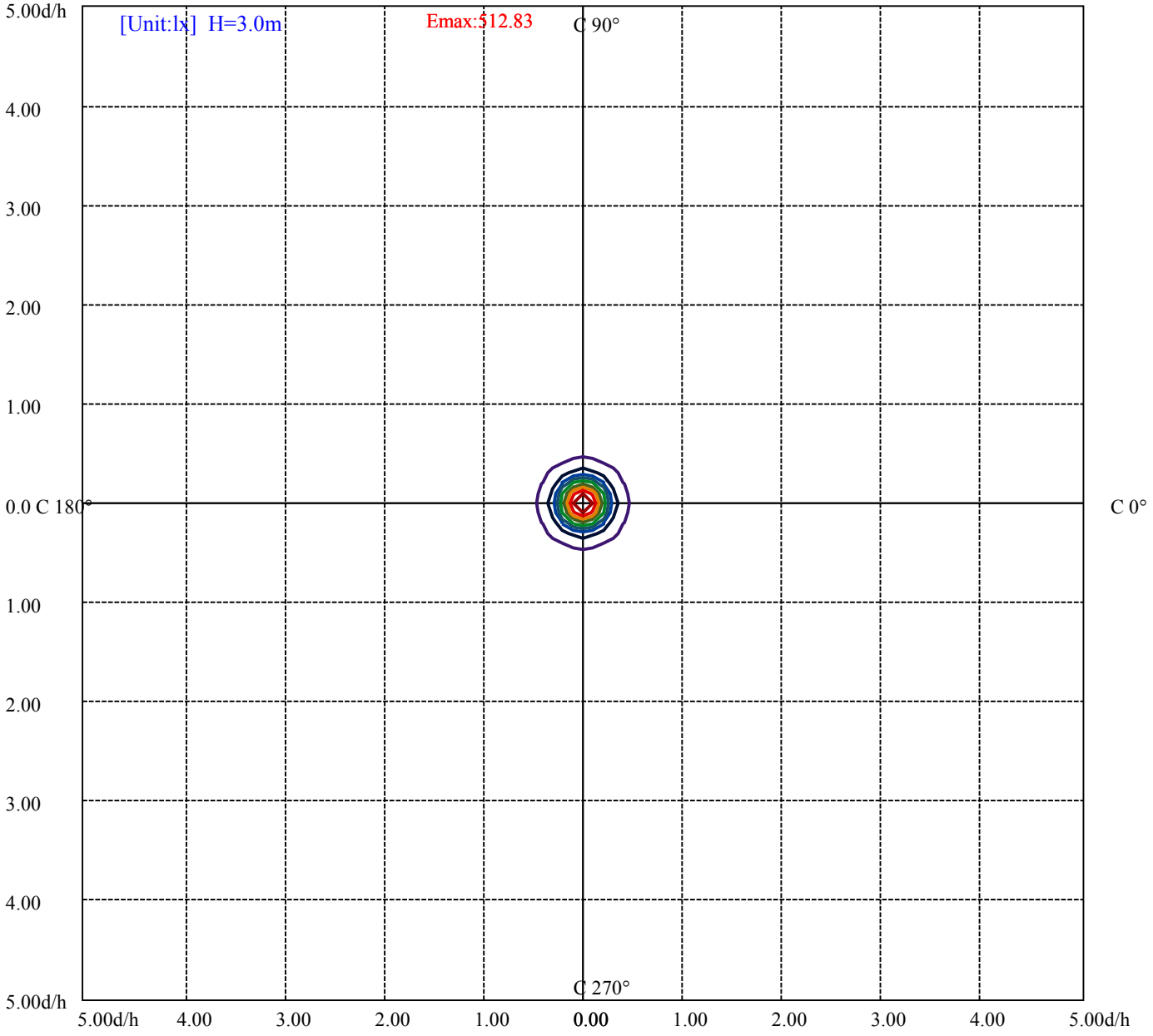
(10%Imax) 461.544
(20%Imax) 923.088
(30%Imax) 1384.63
(40%Imax) 1846.18
(50%Imax) 2307.72
(60%Imax) 2769.26
(70%Imax) 3230.81
(80%Imax) 3692.35
(90%Imax) 4153.89

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/9/20
Humidity(%): 60.0%

Operator: GC2019092003
Distance(m): 6.81

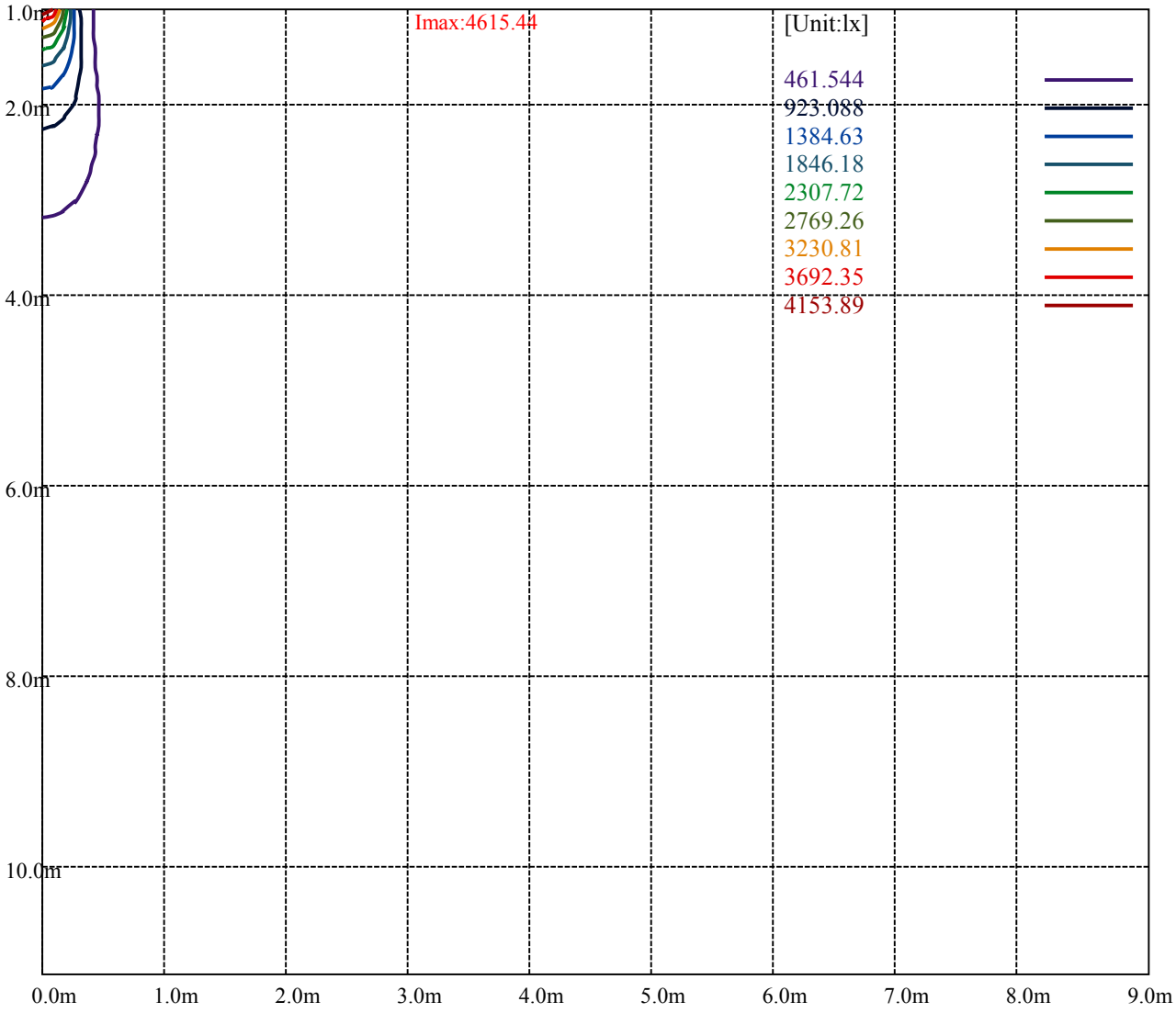
ISO illuminance diagram



(10%Emax) 51.28267
(20%Emax) 102.5652
(30%Emax) 153.8478
(40%Emax) 205.13
(50%Emax) 256.4133
(60%Emax) 307.6956
(70%Emax) 358.9789
(80%Emax) 410.2611
(90%Emax) 461.5433

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2019/9/20
Humidity(%): 60.0%
Operator: GC2019092003
Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/9/20
Humidity(%): 60.0%

Operator: GC2019092003
Distance(m): 6.81

Luminance Limitting Curve(no luminous side)

Luminance Table

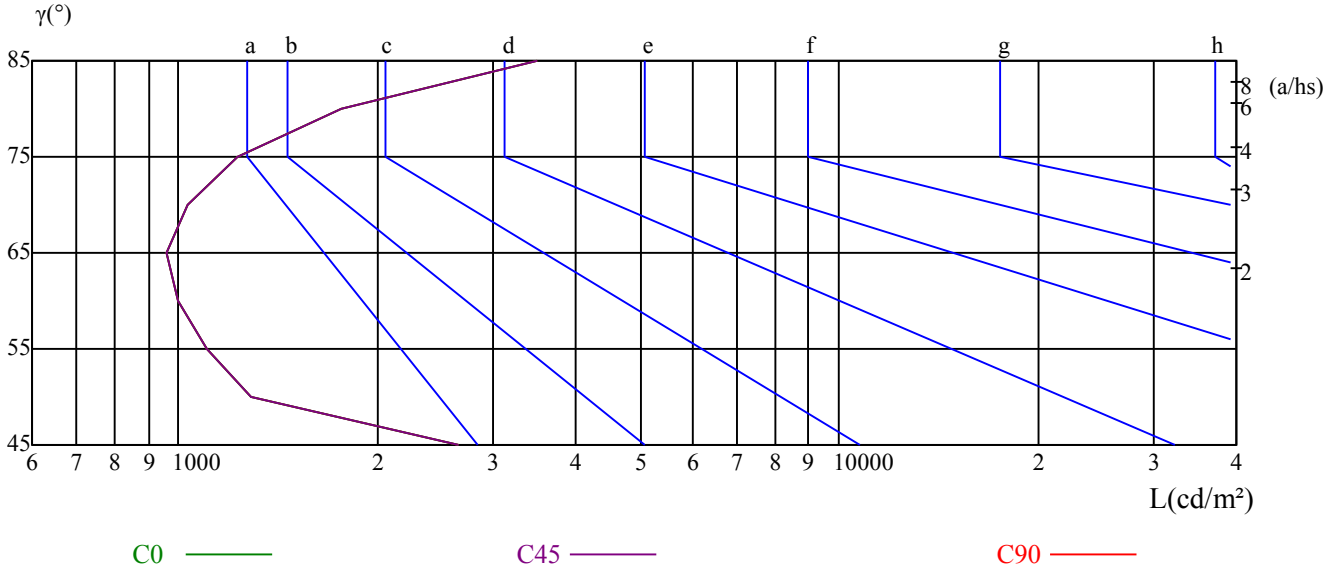
γ	45	50	55	60	65	70	75	80	85
C0	2647	1289	1104	997	958	1035	1230	1759	3504
C45	2647	1289	1104	997	958	1035	1230	1759	3504
C90	2647	1289	1104	997	958	1035	1230	1759	3504

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
958	958	958	1230	1230	1230	3504	3504	3504

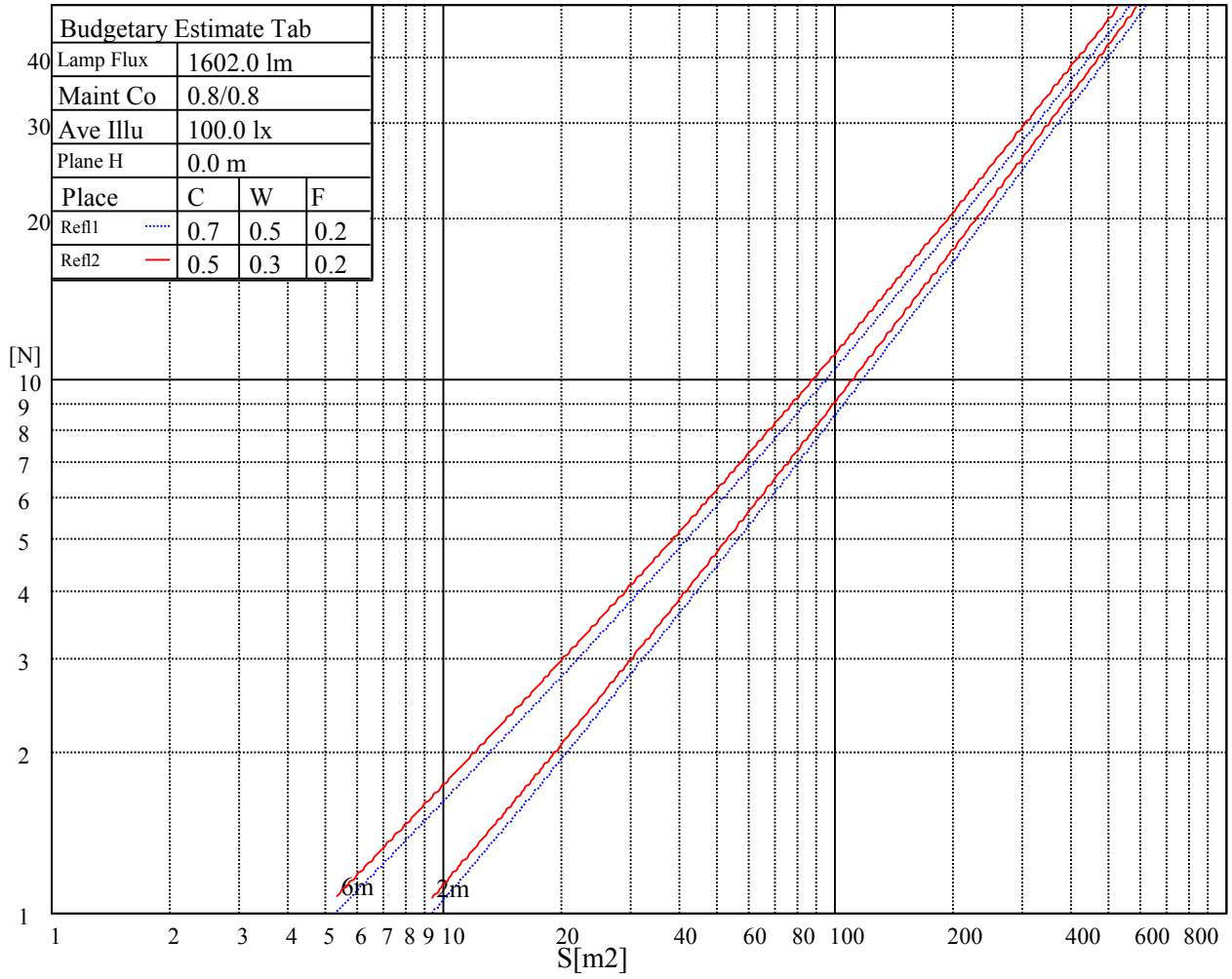
Glare Table

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



Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

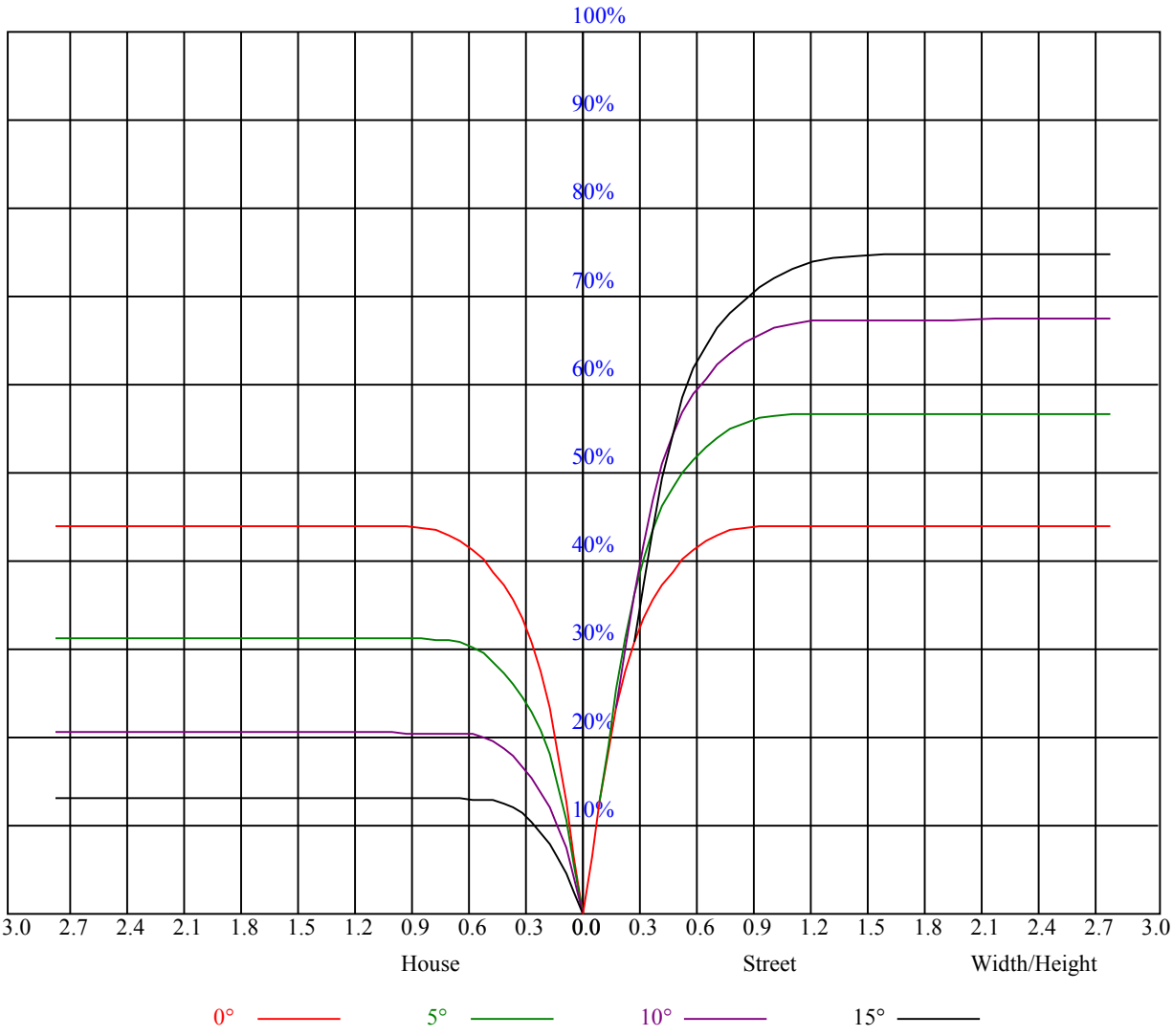
Date: 2019/9/20
Humidity(%): 60.0%

Operator: GC2019092003
Distance(m): 6.81

Utilization factor table for indoor luminaire

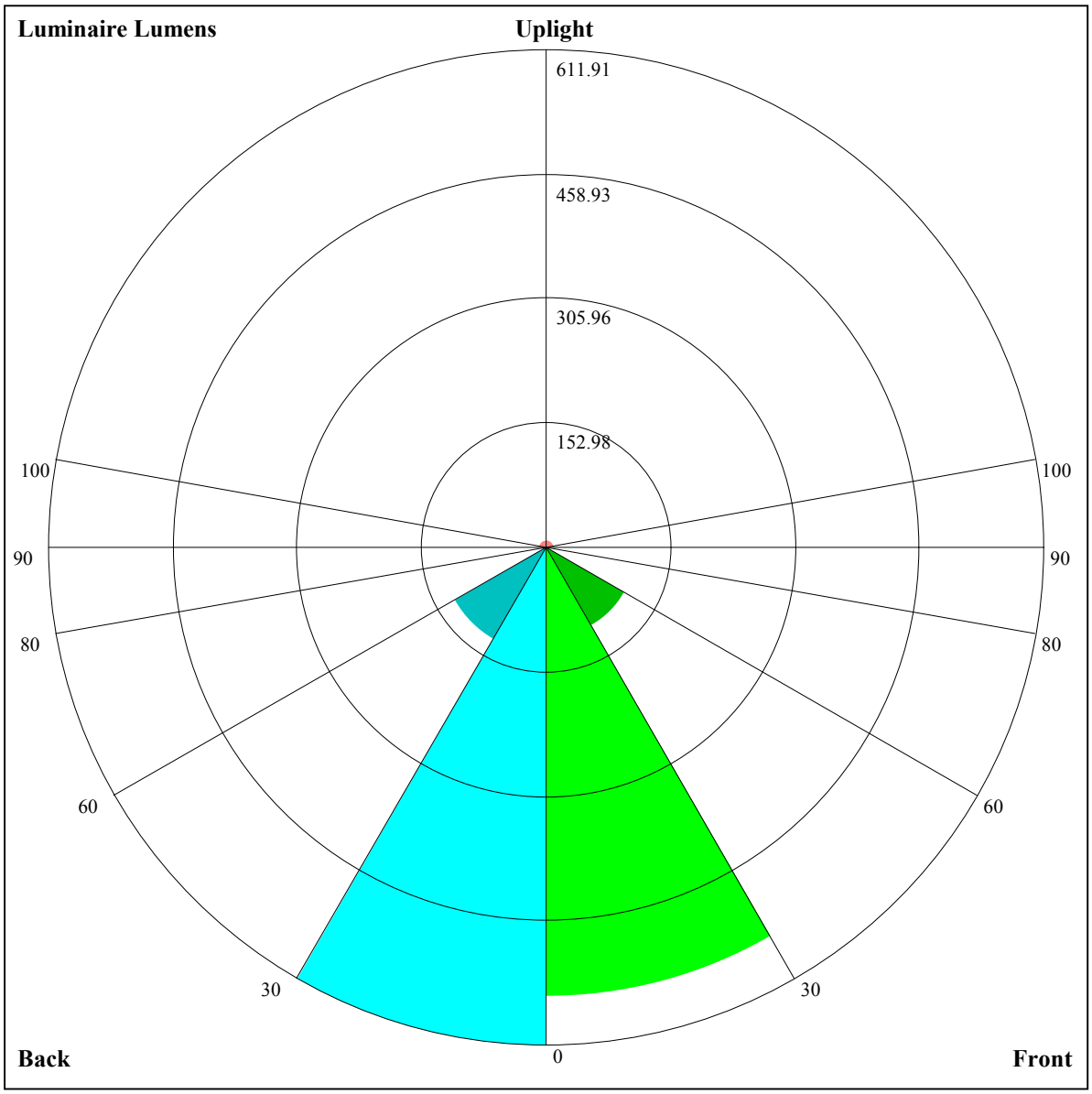
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.05	1.05	1.05	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.99	0.97	0.95	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.84
2	0.93	0.90	0.88	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.84	0.83	0.81	0.80
3	0.88	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.81	0.79	0.78	0.76
4	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.73
5	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.74	0.71	0.75	0.73	0.71	0.70
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.70	0.68	0.67
7	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
8	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
9	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2019/9/20	Operator: GC2019092003
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 6.81

LCS Graph



Luminaire Lumens:

FL=551.44,FM=111.76,FH=1.81,FVH=0.95

BL=611.91,BM=131.41,BH=1.88,BVH=0.84

UL=1.97,UH=9.4

BUG Rating:B2-U1-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	4596.76	4544.33	4458.94	4345.26	4202.80	4033.43	3829.71	3599.55	3342.02
45.0	4608.36	4617.64	4604.65	4571.24	4512.77	4423.68	4306.74	4156.86	3976.81
90.0	4644.56	4658.94	4649.20	4619.50	4565.67	4482.15	4361.50	4205.12	4015.79
135.0	4612.07	4655.23	4674.72	4676.58	4659.87	4622.28	4555.00	4456.16	4316.95
180.0	4596.76	4629.71	4638.52	4620.89	4583.77	4521.59	4427.85	4310.92	4148.97
225.0	4608.36	4570.78	4508.13	4414.86	4294.21	4135.05	3945.26	3721.59	3465.45
270.0	4644.56	4609.29	4547.11	4457.09	4335.97	4183.31	3997.69	3823.68	3522.52
315.0	4612.07	4543.86	4446.41	4316.95	4154.07	3958.25	3734.59	3481.69	3203.27
360.0	4596.76	4544.33	4458.94	4345.26	4202.80	4033.43	3829.71	3599.55	3342.02

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3058.49	2753.62	2561.51	2117.43	1935.99	1662.68	1425.56	1222.77	894.80
45.0	3851.52	3515.10	3351.30	3060.81	2748.52	2427.41	2106.76	1808.38	1545.28
90.0	3794.45	3540.16	3256.17	2942.02	2747.12	2284.48	2091.91	1792.61	1432.05
135.0	4217.18	4021.82	3690.97	3531.80	3250.14	2948.51	2631.58	2307.22	1996.32
180.0	4038.53	3735.98	3589.35	3320.21	3020.44	2699.79	2370.79	2049.22	1750.38
225.0	3181.92	2870.56	2613.02	2218.13	1902.58	1671.03	1418.13	1210.25	867.60
270.0	3299.32	2993.06	2666.85	2334.13	2005.60	1704.91	1445.51	1229.27	1052.01
315.0	2898.40	2574.97	2378.68	1936.46	1762.45	1501.19	1278.92	902.13	902.13
360.0	3058.49	2753.62	2561.51	2117.43	1935.99	1662.68	1425.56	1222.77	894.80

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	894.80	793.36	716.98	660.74	619.95	590.44	570.76	554.38	542.32
45.0	1322.54	1136.00	982.41	860.83	768.02	699.34	648.30	609.79	583.34
90.0	1303.52	922.45	875.68	854.10	762.36	694.84	645.42	607.79	581.71
135.0	1714.19	1466.86	1254.33	1075.68	930.90	818.60	732.29	668.25	621.39
180.0	1485.88	1263.61	1081.71	936.00	823.71	737.40	672.89	626.96	593.08
225.0	867.60	807.60	728.35	671.18	627.14	595.17	572.76	555.73	541.85
270.0	913.26	805.61	726.26	668.72	625.10	593.08	571.27	554.10	540.65
315.0	816.42	732.52	670.81	627.14	596.05	573.13	556.52	542.92	532.01
360.0	894.80	793.36	716.98	660.74	619.95	590.44	570.76	554.38	542.32

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	530.20	524.50	511.46	498.14	479.62	440.09	392.15	338.09	281.58
45.0	571.27	548.53	541.57	530.90	517.44	512.80	503.06	482.64	445.98
90.0	565.70	547.37	535.54	527.65	518.05	509.00	499.62	479.44	442.27
135.0	588.44	565.24	548.07	534.61	524.87	512.80	505.38	495.63	476.61
180.0	569.88	551.78	537.86	528.58	516.52	507.23	499.81	484.96	453.87
225.0	531.13	524.50	515.03	502.69	496.89	474.01	433.45	384.59	329.23
270.0	529.51	519.76	510.48	502.13	496.56	475.68	439.02	391.23	335.54
315.0	521.67	516.24	506.91	490.58	456.38	409.28	356.19	299.49	242.78
360.0	530.20	524.50	511.46	498.14	479.62	440.09	392.15	338.09	281.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	223.06	166.12	113.55	68.58	33.46	14.85	10.72	7.56	5.52
45.0	397.26	343.90	288.68	243.20	243.20	110.25	63.90	29.56	13.50
90.0	394.94	339.77	282.92	227.42	169.93	115.41	68.49	33.32	14.76
135.0	439.02	392.15	337.86	281.71	249.23	249.23	115.50	68.40	31.74
180.0	410.72	360.14	303.99	245.52	245.52	132.25	83.20	44.18	19.35
225.0	272.48	215.40	160.14	107.33	61.02	27.89	13.83	10.44	7.80
270.0	276.61	242.74	242.74	109.74	64.92	30.95	14.66	10.67	7.19
315.0	186.31	132.85	83.76	42.74	19.07	11.51	8.21	5.48	4.69
360.0	223.06	166.12	113.55	68.58	33.46	14.85	10.72	7.56	5.52

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	4.92	4.41	4.18	3.99	3.85	3.53	3.39	3.20	3.11
45.0	10.02	7.89	6.45	5.71	5.29	4.73	4.50	4.32	4.04
90.0	10.63	7.52	5.34	4.83	4.36	4.08	3.94	3.62	3.48
135.0	19.86	10.72	7.52	6.13	5.15	4.59	4.04	3.81	3.57
180.0	12.16	9.05	7.29	5.66	4.97	4.41	4.18	3.94	3.67
225.0	6.03	5.52	4.92	4.64	4.41	4.22	3.94	3.76	3.57
270.0	5.48	4.97	4.36	4.04	3.81	3.67	3.48	3.25	3.06
315.0	4.27	3.94	3.71	3.53	3.39	3.25	3.11	2.92	2.74
360.0	4.92	4.41	4.18	3.99	3.85	3.53	3.39	3.20	3.11

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.97	2.74	2.64	2.55	2.46	2.32	2.18	2.18	2.04
45.0	3.76	3.62	3.43	3.25	3.06	2.92	2.83	2.69	2.55
90.0	3.34	3.20	3.02	2.83	2.74	2.64	2.51	2.37	2.32
135.0	3.39	3.25	3.11	2.88	2.78	2.69	2.55	2.37	2.27
180.0	3.53	3.39	3.20	2.97	2.88	2.78	2.60	2.46	2.37
225.0	3.43	3.25	3.06	2.92	2.83	2.74	2.55	2.46	2.41
270.0	2.97	2.83	2.69	2.51	2.46	2.37	2.27	2.13	2.04
315.0	2.64	2.55	2.41	2.27	2.18	2.13	2.04	1.90	1.86
360.0	2.97	2.74	2.64	2.55	2.46	2.32	2.18	2.18	2.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.95	1.90	1.86	1.81	1.72	1.62	1.62	1.58	1.58
45.0	2.51	2.41	2.27	2.23	2.13	2.04	2.00	1.90	1.86
90.0	2.27	2.18	2.04	2.00	2.00	1.90	1.81	1.81	1.81
135.0	2.23	2.09	2.00	2.00	1.90	1.81	1.72	1.72	1.67
180.0	2.32	2.18	2.09	2.04	2.00	1.90	1.81	1.81	1.72
225.0	2.32	2.18	2.13	2.09	2.04	1.90	1.86	1.90	1.81
270.0	2.09	2.00	1.86	1.81	1.76	1.76	1.72	1.72	1.62
315.0	1.86	1.76	1.62	1.62	1.62	1.58	1.48	1.44	1.39
360.0	1.95	1.90	1.86	1.81	1.72	1.62	1.62	1.58	1.58

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.44	1.48	1.44	1.44	1.44	1.35	1.35	1.35	1.39
45.0	1.81	1.81	1.81	1.72	1.72	1.76	1.86	1.81	1.81
90.0	1.76	1.72	1.72	1.72	1.67	1.67	1.67	1.62	1.62
135.0	1.62	1.53	1.48	1.53	1.48	1.39	1.39	1.39	1.35
180.0	1.72	1.62	1.58	1.58	1.58	1.48	1.44	1.48	1.48
225.0	1.72	1.72	1.67	1.67	1.67	1.67	1.58	1.53	1.62
270.0	1.58	1.58	1.58	1.53	1.48	1.48	1.53	1.48	1.44
315.0	1.39	1.39	1.35	1.30	1.35	1.35	1.25	1.21	1.25
360.0	1.44	1.48	1.44	1.44	1.44	1.35	1.35	1.35	1.39

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.30	1.35	1.39	1.35	1.30	1.53	2.04	2.32	1.62
45.0	1.86	1.86	1.72	1.76	1.95	2.18	2.51	2.69	2.83
90.0	1.72	1.72	1.81	1.76	1.90	1.90	1.95	2.55	3.43
135.0	1.30	1.35	1.30	1.35	1.30	1.35	1.30	1.25	1.25
180.0	1.39	1.39	1.44	1.39	1.35	1.30	1.30	1.35	1.30
225.0	1.62	1.58	1.58	1.48	1.44	1.44	1.48	1.58	1.44
270.0	1.44	1.48	1.48	1.58	1.48	1.39	1.35	1.48	1.58
315.0	1.30	1.21	1.30	1.25	1.25	1.67	2.23	1.67	2.32
360.0	1.30	1.35	1.39	1.35	1.30	1.53	2.04	2.32	1.62

Intensity data(cd)

C/γ(°)	90.0
0.0	1.86
45.0	2.69
90.0	3.02
135.0	1.30
180.0	1.30
225.0	1.35
270.0	1.58
315.0	1.39
360.0	1.86