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

Nata

Client:
LumCAT: 3-1546-A3
Luminaire: 99.02.73.172+92.76.365.00

Report No:	Voltage(V): 34.9200
Test No: GC20190823010	Current(A): 0.3980
LampCAT: TRIDONIC SLE 13MM G7	Power (W): 13.9000
Lamp flux(lm): 1702.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 84	Width(mm): 84
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1549.21, Efficiency(%): 91.02% , Luminous Efficacy(lm/W): 111.45
Central intensity(cd): 5720.344, Maximum intensity(cd): 5720.344
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.8
[C90/270]Total=24.8
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
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(%): 91.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.541%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5720.344	0.000	0	.000%	.000%
1.0	5707.055	5.468	5.468	.321%	.353%
2.0	5661.492	16.317	21.785	.959%	1.406%
3.0	5566.711	26.854	48.639	1.578%	3.140%
4.0	5421.023	36.779	85.419	2.161%	5.514%
5.0	5239.969	45.863	131.282	2.695%	8.474%
6.0	5004.773	53.839	185.121	3.163%	11.949%
7.0	4718.391	60.352	245.472	3.546%	15.845%
8.0	4432.711	65.493	310.965	3.848%	20.073%
9.0	4098.234	69.139	380.103	4.062%	24.535%
10.0	3714.117	70.699	450.802	4.154%	29.099%
11.0	3378.164	70.866	521.669	4.164%	33.673%
12.0	3024.422	69.989	591.658	4.112%	38.191%
13.0	2637.070	67.188	658.846	3.948%	42.528%
14.0	2313.563	63.368	722.213	3.723%	46.618%
15.0	2011.359	59.374	781.588	3.489%	50.451%
16.0	1726.805	54.775	836.363	3.218%	53.986%
17.0	1482.469	49.977	886.34	2.936%	57.212%
18.0	1277.198	45.501	931.84	2.673%	60.150%
19.0	1104.609	41.439	973.279	2.435%	62.824%
20.0	974.313	38.050	1011.329	2.236%	65.280%
21.0	856.294	35.151	1046.48	2.065%	67.549%
22.0	766.891	32.619	1079.099	1.916%	69.655%
23.0	704.918	30.883	1109.982	1.814%	71.648%
24.0	658.111	29.801	1139.782	1.751%	73.572%
25.0	624.593	29.166	1168.948	1.714%	75.455%
26.0	600.968	28.930	1197.878	1.700%	77.322%
27.0	580.971	28.916	1226.794	1.699%	79.189%
28.0	564.195	28.993	1255.787	1.703%	81.060%
29.0	549.647	29.141	1284.928	1.712%	82.941%
30.0	537.757	29.360	1314.288	1.725%	84.836%
31.0	525.881	29.600	1343.888	1.739%	86.747%
32.0	508.739	29.641	1373.528	1.742%	88.660%
33.0	470.679	28.854	1402.382	1.695%	90.523%
34.0	412.587	26.730	1429.113	1.571%	92.248%
35.0	340.854	23.399	1452.512	1.375%	93.758%
36.0	281.644	19.820	1472.332	1.165%	95.038%
37.0	196.509	15.595	1487.927	.916%	96.044%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	124.552	10.717	1498.643	.630%	96.736%
39.0	66.558	6.523	1505.166	.383%	97.157%
40.0	34.088	3.510	1508.677	.206%	97.384%
41.0	23.013	2.033	1510.71	.119%	97.515%
42.0	19.617	1.549	1512.259	.091%	97.615%
43.0	16.552	1.340	1513.599	.079%	97.702%
44.0	14.182	1.160	1514.759	.068%	97.776%
45.0	11.215	0.976	1515.735	.057%	97.839%
46.0	9.387	0.806	1516.54	.047%	97.891%
47.0	9.042	0.733	1517.273	.043%	97.939%
48.0	8.845	0.723	1517.996	.042%	97.985%
49.0	8.663	0.719	1518.715	.042%	98.032%
50.0	8.508	0.716	1519.431	.042%	98.078%
51.0	8.388	0.715	1520.146	.042%	98.124%
52.0	8.276	0.715	1520.861	.042%	98.170%
53.0	8.163	0.715	1521.576	.042%	98.216%
54.0	8.072	0.716	1522.292	.042%	98.263%
55.0	7.980	0.717	1523.008	.042%	98.309%
56.0	7.903	0.718	1523.726	.042%	98.355%
57.0	7.812	0.719	1524.445	.042%	98.402%
58.0	7.734	0.719	1525.163	.042%	98.448%
59.0	7.671	0.720	1525.884	.042%	98.495%
60.0	7.629	0.723	1526.606	.042%	98.541%
61.0	7.573	0.725	1527.332	.043%	98.588%
62.0	7.538	0.728	1528.06	.043%	98.635%
63.0	7.495	0.731	1528.791	.043%	98.682%
64.0	7.460	0.734	1529.525	.043%	98.730%
65.0	7.397	0.735	1530.26	.043%	98.777%
66.0	7.383	0.737	1530.998	.043%	98.825%
67.0	7.348	0.741	1531.738	.044%	98.872%
68.0	7.305	0.742	1532.481	.044%	98.920%
69.0	7.284	0.744	1533.225	.044%	98.968%
70.0	7.263	0.747	1533.972	.044%	99.017%
71.0	7.242	0.750	1534.722	.044%	99.065%
72.0	7.214	0.752	1535.474	.044%	99.114%
73.0	7.186	0.753	1536.227	.044%	99.162%
74.0	7.179	0.755	1536.982	.044%	99.211%
75.0	7.158	0.757	1537.739	.045%	99.260%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.151	0.760	1538.499	.045%	99.309%
77.0	7.123	0.761	1539.26	.045%	99.358%
78.0	7.095	0.761	1540.021	.045%	99.407%
79.0	7.088	0.762	1540.783	.045%	99.456%
80.0	7.073	0.763	1541.546	.045%	99.506%
81.0	7.052	0.764	1542.31	.045%	99.555%
82.0	7.052	0.765	1543.075	.045%	99.604%
83.0	7.045	0.766	1543.841	.045%	99.654%
84.0	7.017	0.766	1544.608	.045%	99.703%
85.0	7.024	0.766	1545.374	.045%	99.753%
86.0	7.059	0.770	1546.144	.045%	99.802%
87.0	7.045	0.772	1546.916	.045%	99.852%
88.0	6.968	0.768	1547.683	.045%	99.902%
89.0	6.947	0.763	1548.446	.045%	99.951%
90.0	6.933	0.761	1549.207	.045%	100.000%

Zonal flux distribution table

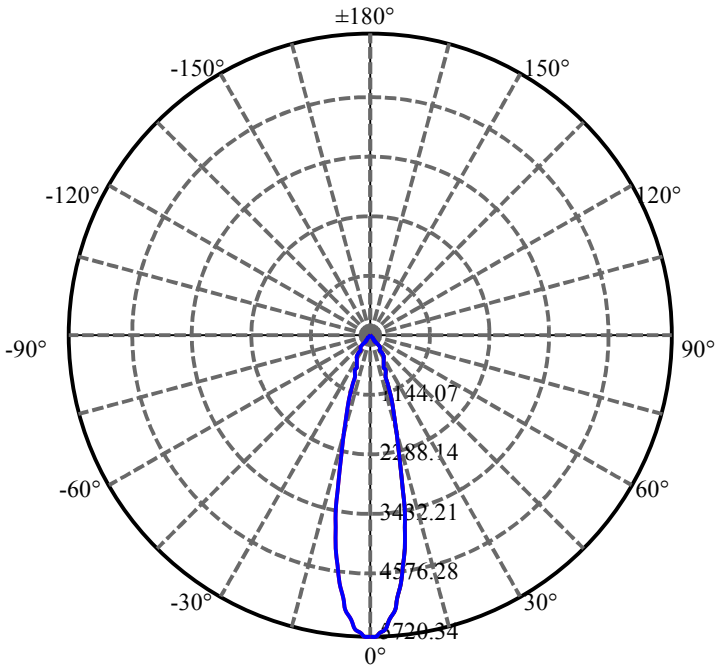
ZONAL LUMEN SUMMARY

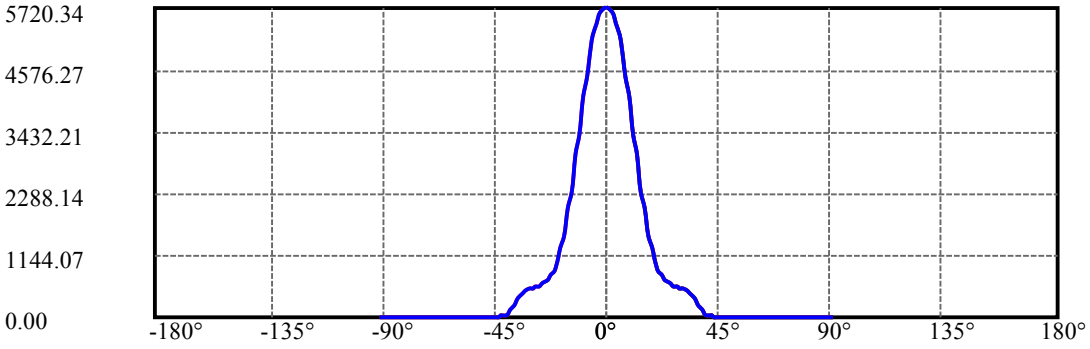
Zone	Lumens	%Lamp	%Fixt
0-30	1314.29	77.22%	84.84%
0-40	1508.68	88.64%	97.38%
0-60	1526.61	89.69%	98.54%
0-90	1548.45	90.98%	99.95%
0-120	1548.45	90.98%	99.95%
0-180	1549.21	91.02%	100.00%
60-90	22.56	1.33%	1.46%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.43	1239.37	72.82%	80.00%

ZONAL LUMEN SUMMARY

0-10	450.80
10-20	560.53
20-30	302.96
30-40	194.39
40-50	10.75
50-60	7.18
60-70	7.37
70-80	7.57
80-90	6.90
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:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

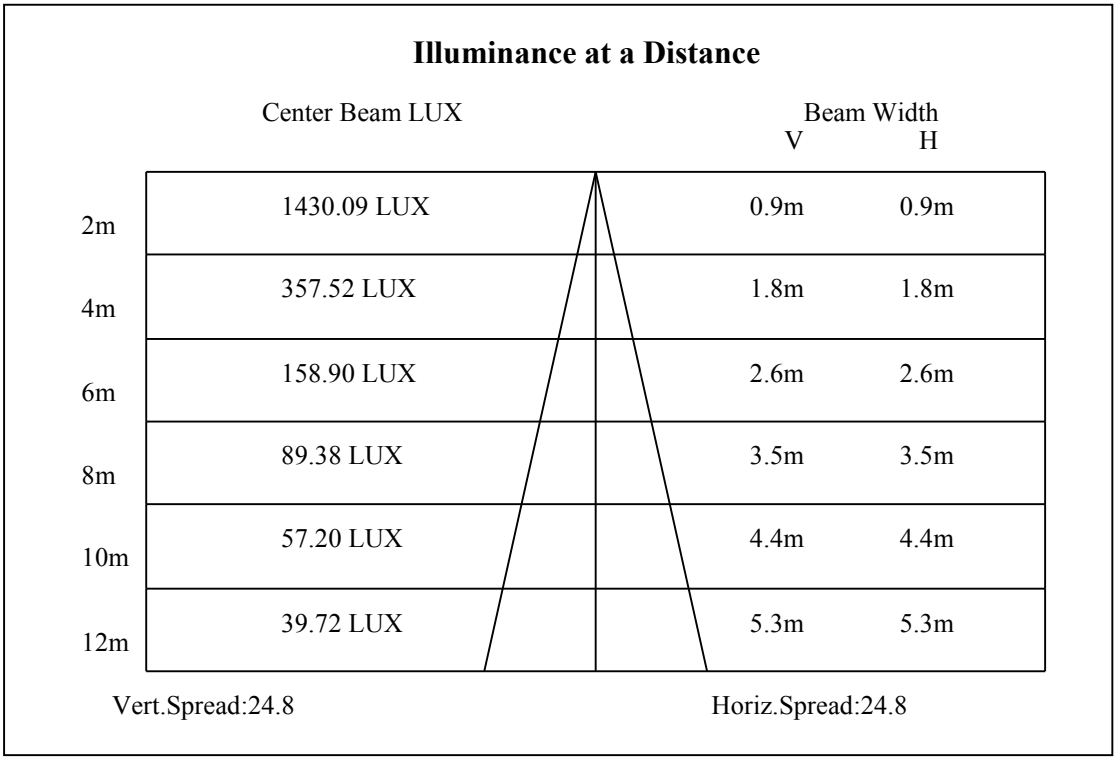
Beam Angle(50%Imax):C0/180Left:12.4 Right:12.4
:C90/270Left:12.4 Right:12.4

Equipment: GMS1980
Temperature(°C): 25.0

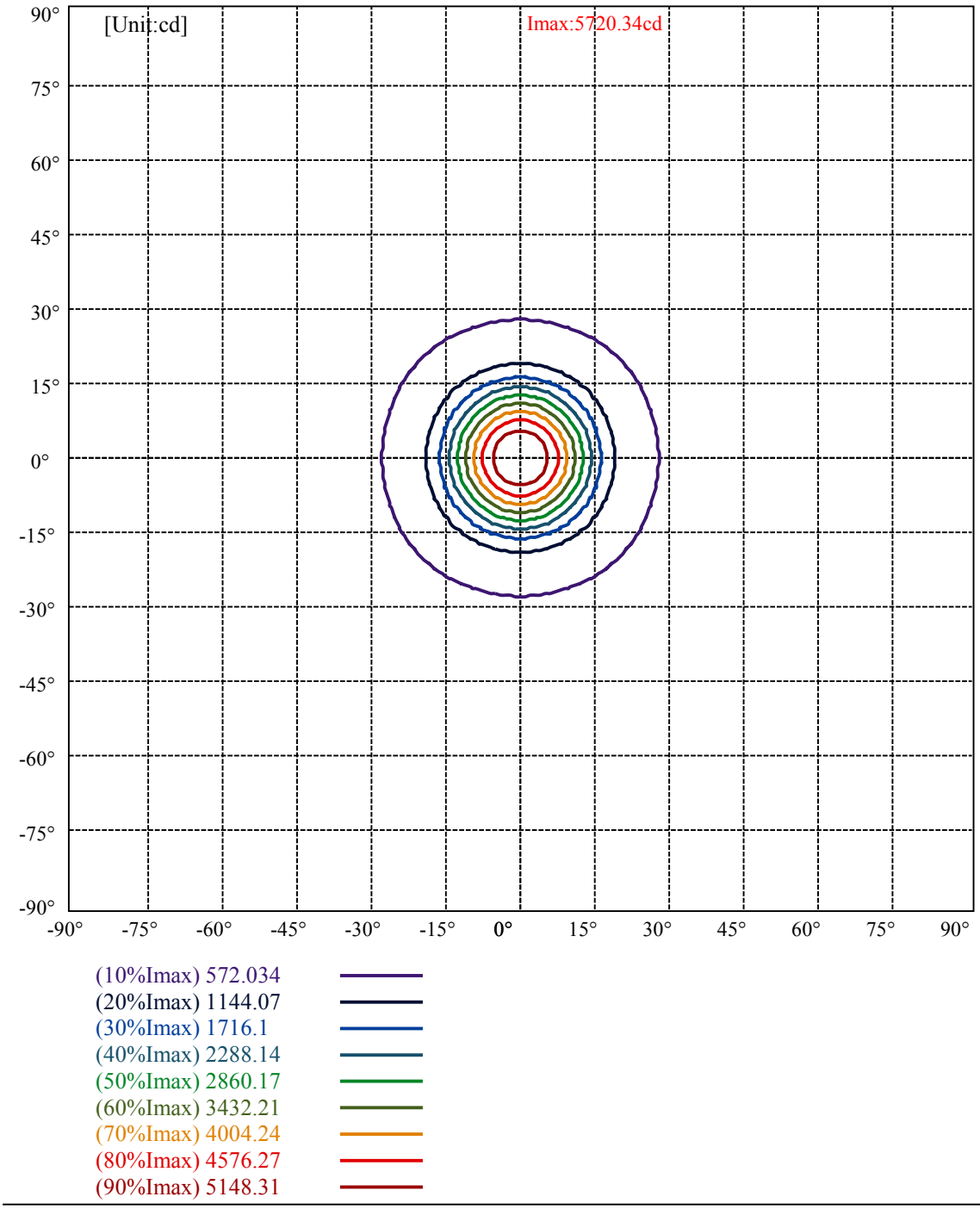
Date: 2019/8/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Lux distance Curve



ISO-Intensity(V-H)

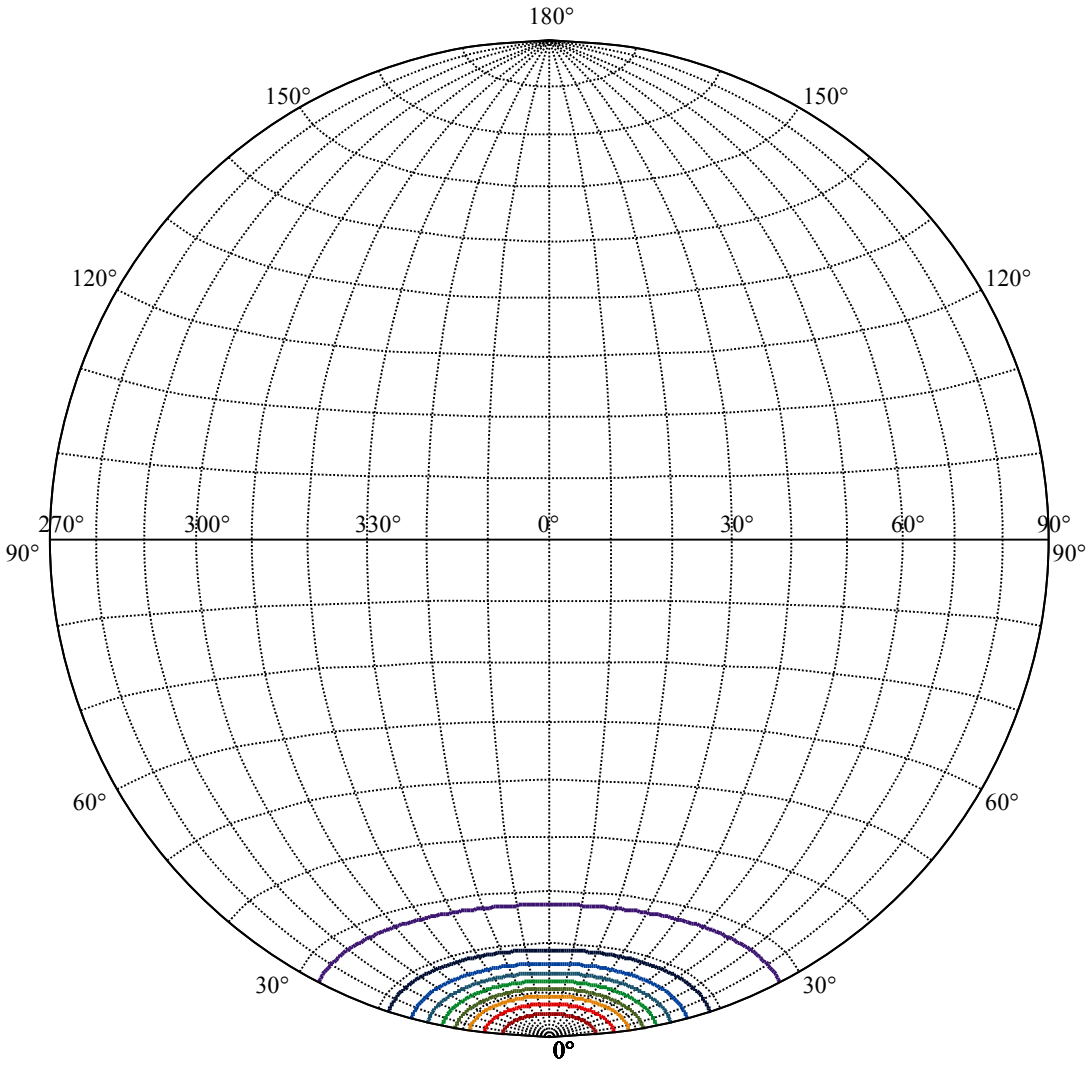


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5720.34

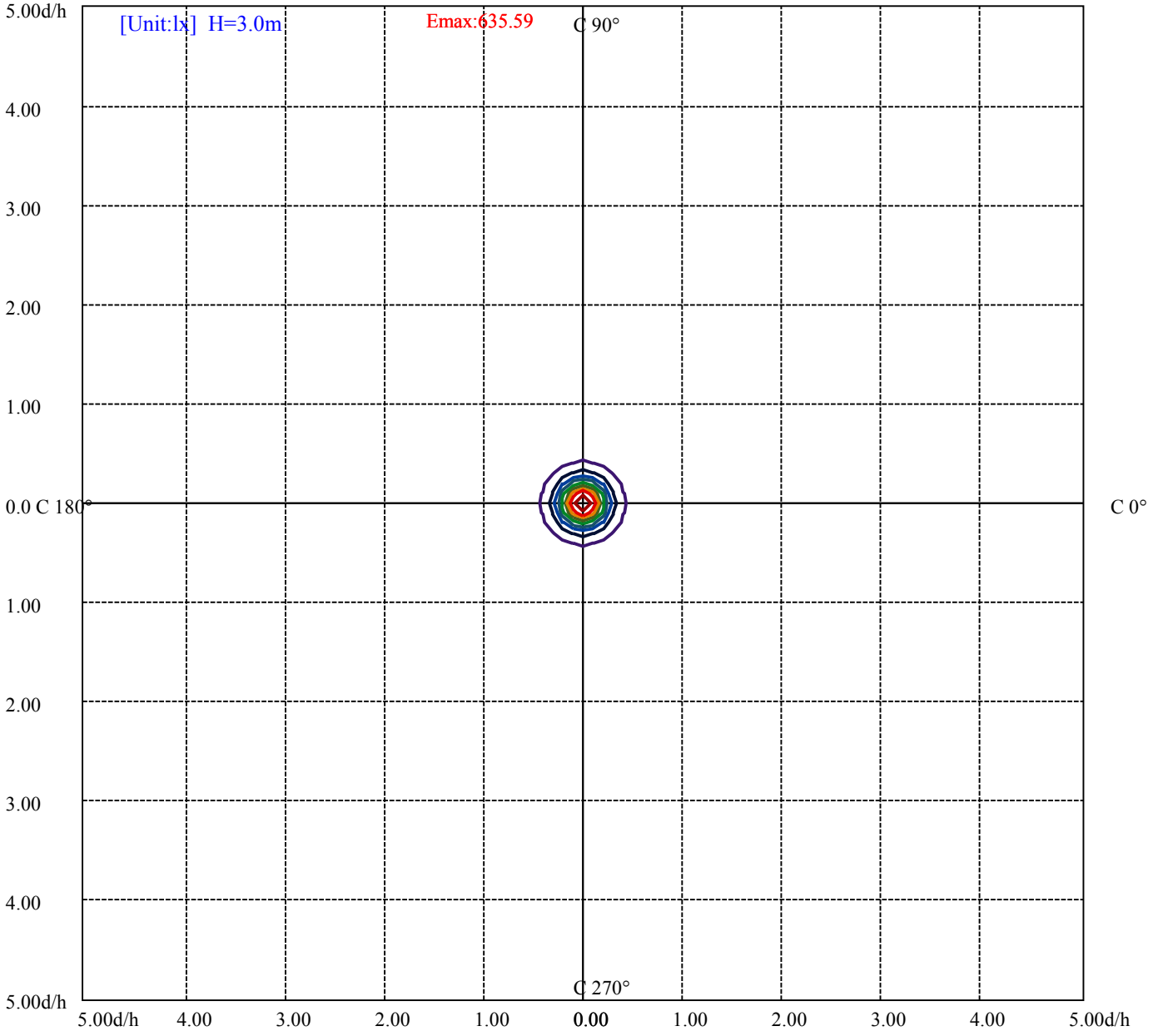
(10%Imax) 572.034
(20%Imax) 1144.07
(30%Imax) 1716.1
(40%Imax) 2288.14
(50%Imax) 2860.17
(60%Imax) 3432.21
(70%Imax) 4004.24
(80%Imax) 4576.27
(90%Imax) 5148.31

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

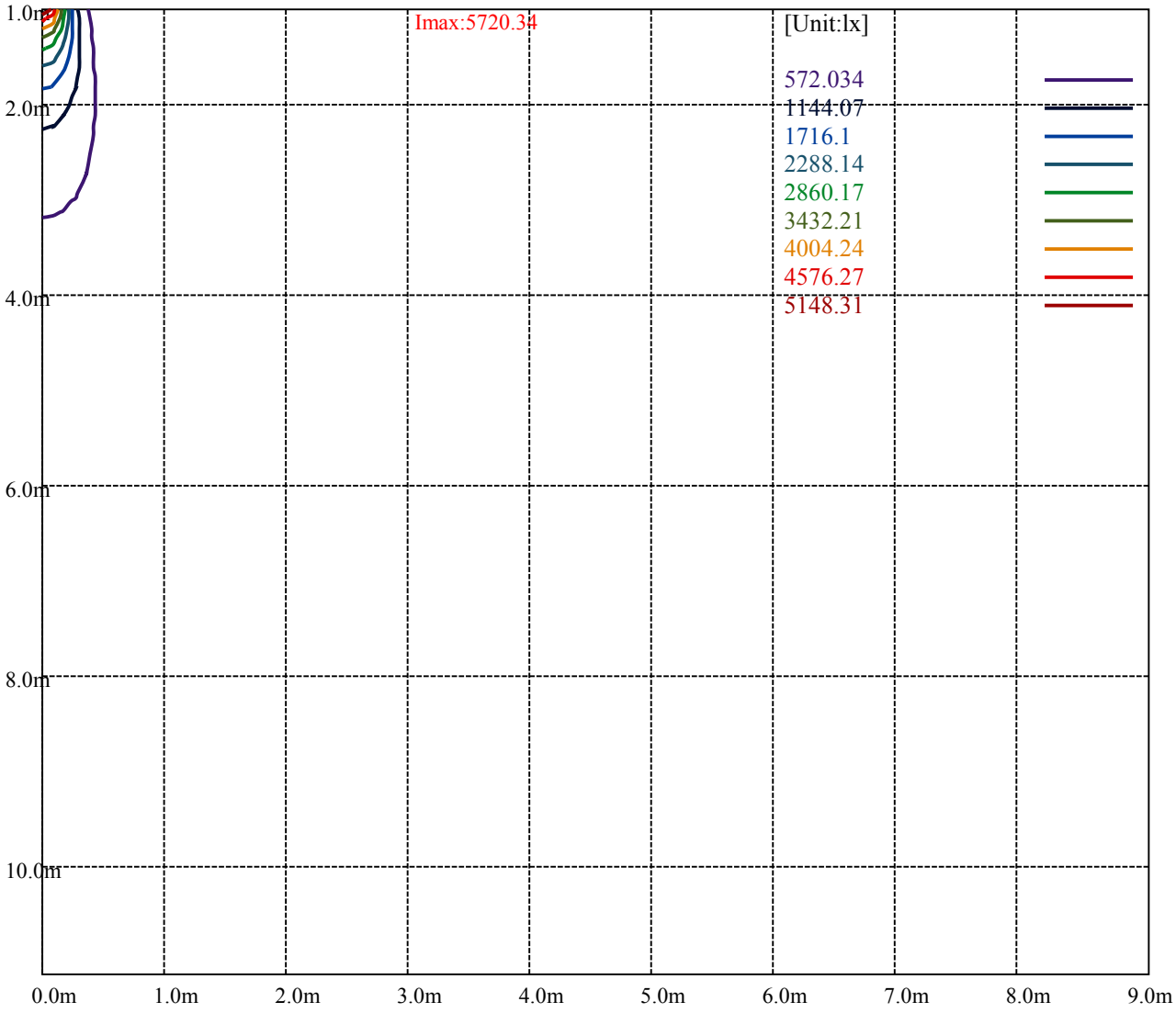
ISO illuminance diagram



(10%Emax) 63.55933
(20%Emax) 127.1189
(30%Emax) 190.6778
(40%Emax) 254.2378
(50%Emax) 317.7967
(60%Emax) 381.3567
(70%Emax) 444.9156
(80%Emax) 508.4745
(90%Emax) 572.0344

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2019/8/23
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

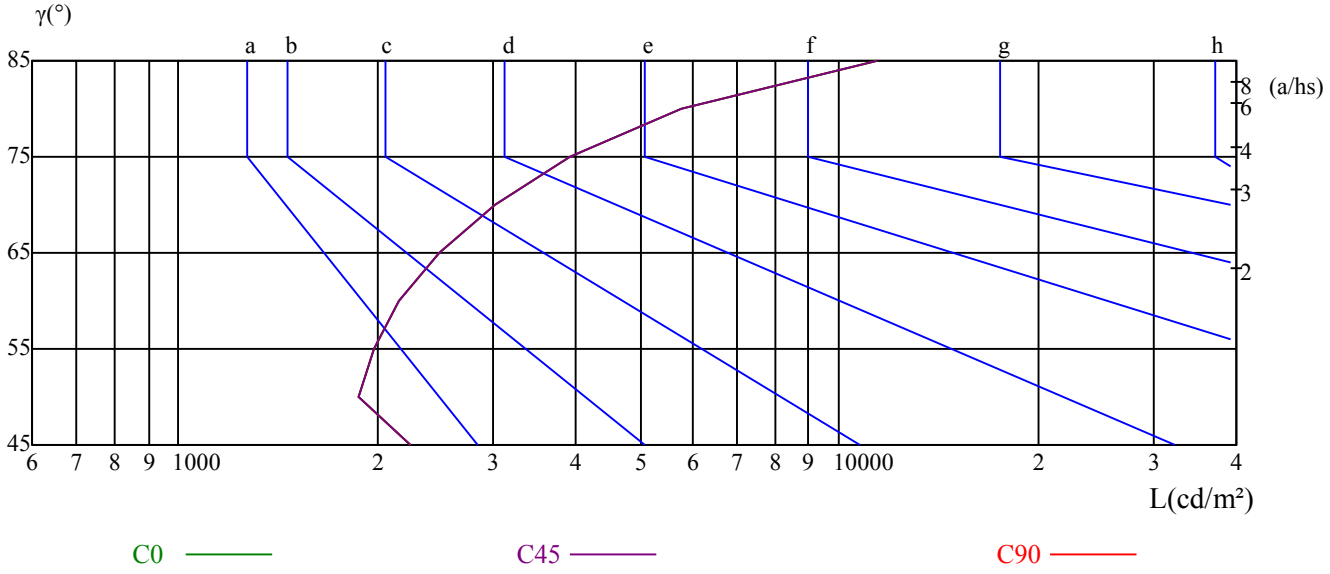
γ	45	50	55	60	65	70	75	80	85
C0	2248	1876	1972	2162	2481	3010	3919	5773	11422
C45	2248	1876	1972	2162	2481	3010	3919	5773	11422
C90	2248	1876	1972	2162	2481	3010	3919	5773	11422

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2481	2481	2481	3919	3919	3919	11422	11422	11422

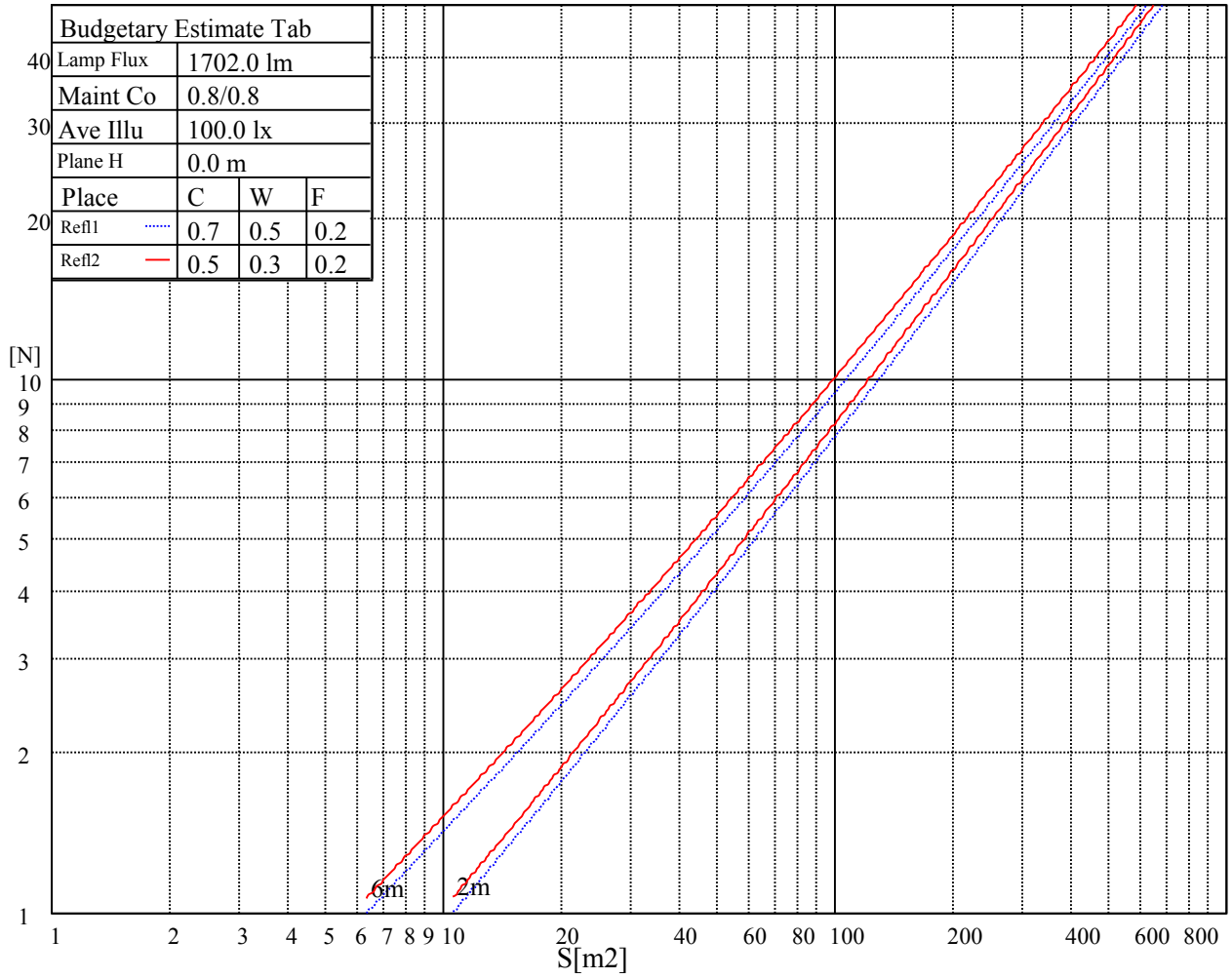
Glare Table

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

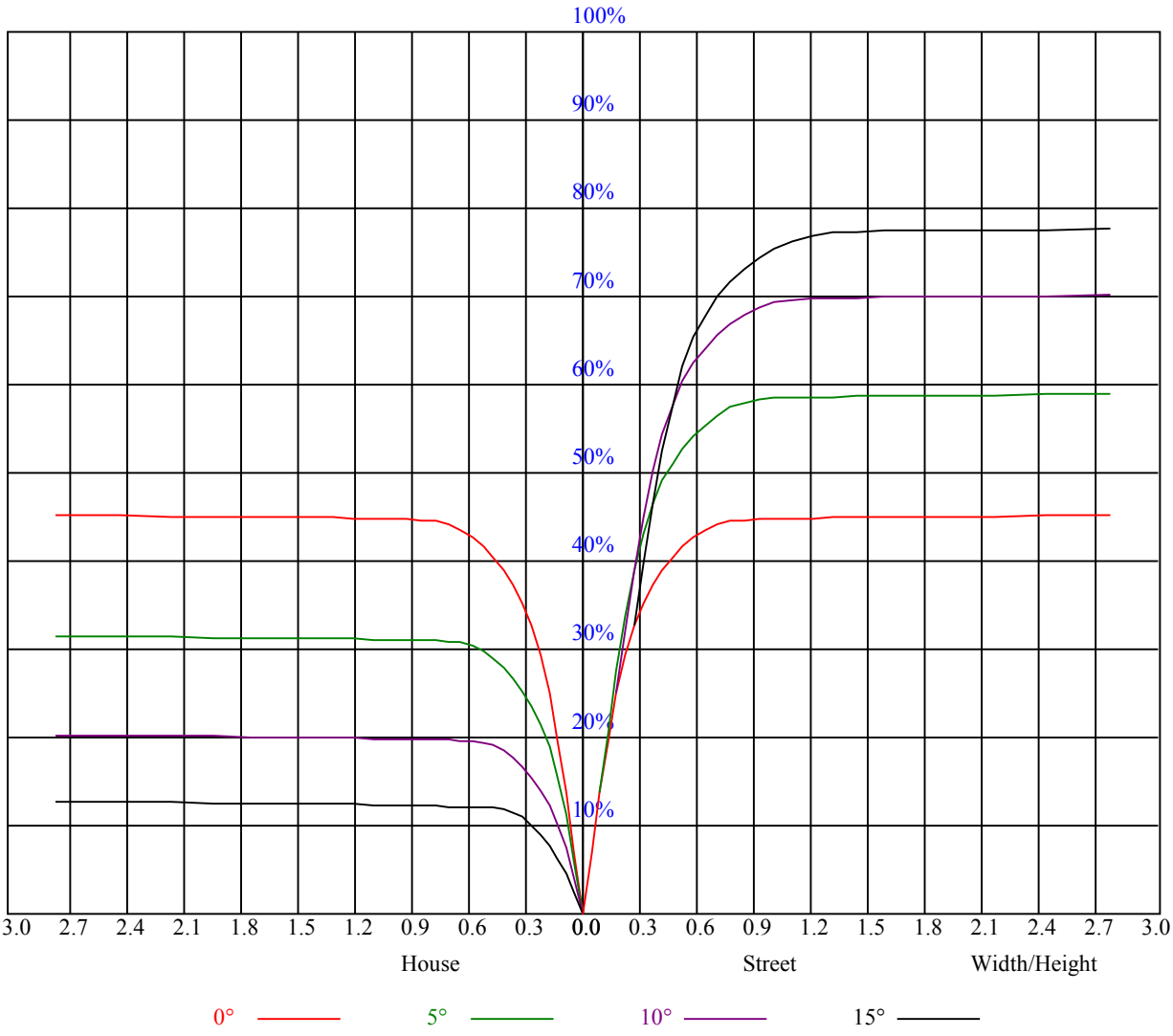


Equipment: GMS1980 Date: 2019/8/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

Utilization factor table for indoor luminaire

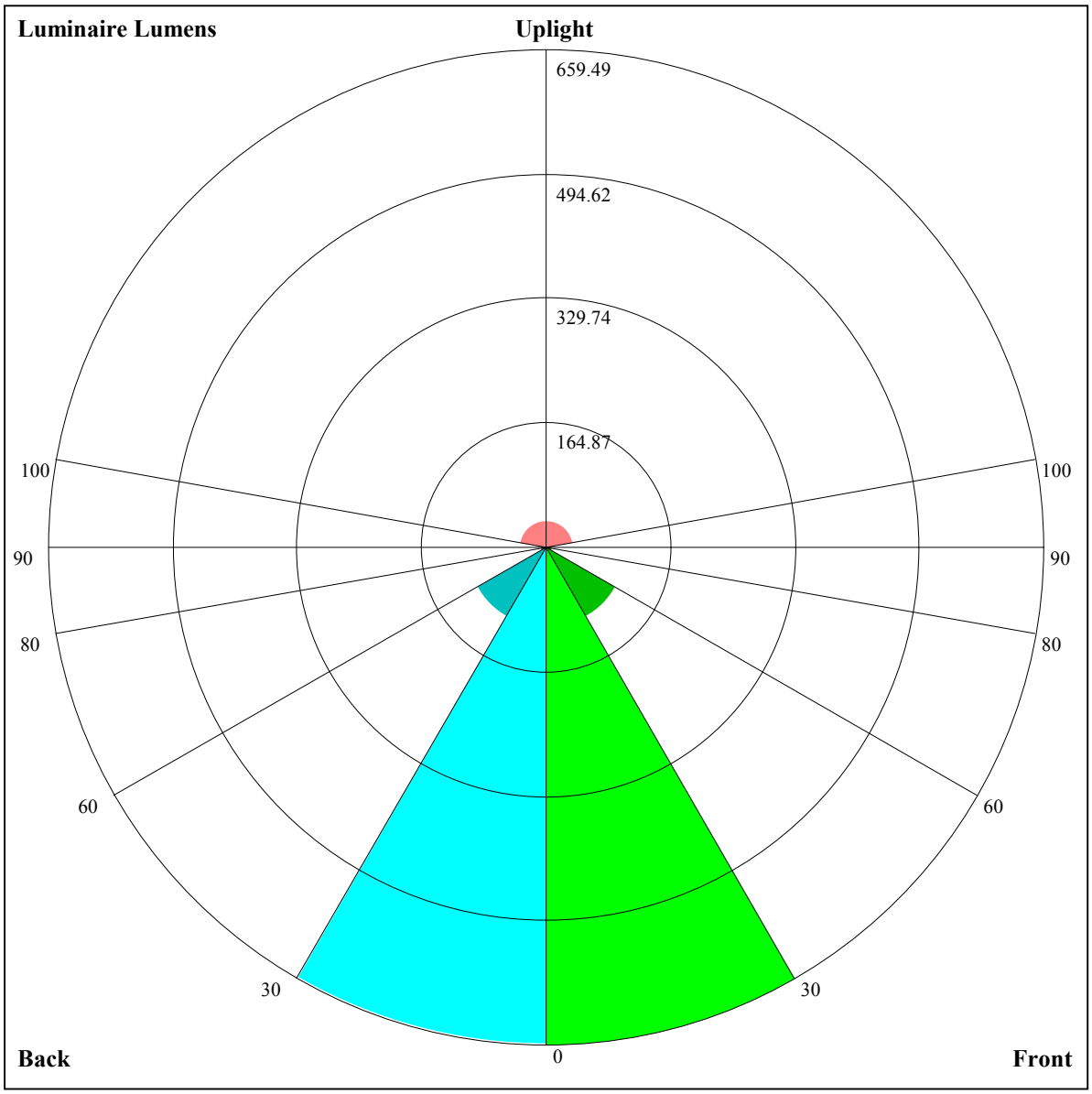
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.73	0.71	0.69
7	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/8/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

LCS Graph



Luminaire Lumens:

FL=659.49,FM=105.24,FH=7.46,FVH=3.83

BL=657.23,BM=107.12,BH=7.48,BVH=3.83

UL=7.56,UH=36

BUG Rating:B2-U2-G0

Equipment: GMS1980	Date: 2019/8/23	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	5704.31	5712.19	5685.19	5613.75	5465.25	5266.69	5046.19	4757.06	4463.44
45.0	5716.13	5708.25	5653.13	5576.06	5394.38	5203.69	4974.19	4636.13	4337.44
90.0	5719.50	5666.63	5572.69	5384.25	5187.38	4961.25	4708.13	4336.31	4023.00
135.0	5741.44	5695.88	5611.50	5502.38	5329.13	5136.75	4872.38	4566.94	4275.00
180.0	5704.31	5670.00	5614.88	5507.44	5368.50	5201.44	4965.19	4681.13	4390.31
225.0	5716.13	5702.63	5666.63	5561.44	5452.88	5297.06	5020.88	4812.19	4537.69
270.0	5719.50	5743.69	5747.63	5717.81	5626.13	5470.31	5322.38	5072.06	4833.56
315.0	5741.44	5757.19	5740.31	5670.56	5544.56	5382.56	5128.88	4885.31	4601.25
360.0	5704.31	5712.19	5685.19	5613.75	5465.25	5266.69	5046.19	4757.06	4463.44

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4110.75	3742.88	3408.75	3069.56	2643.75	2318.06	2026.13	1706.63	1489.50
45.0	4018.50	3607.88	3261.38	2909.25	2494.13	2188.13	1913.06	1639.69	1413.00
90.0	3690.56	3264.19	2936.25	2616.19	2278.69	1963.13	1712.25	1460.25	1221.19
135.0	3925.69	3561.19	3228.19	2898.00	2503.69	2207.81	1932.75	1671.75	1411.88
180.0	4037.06	3674.81	3344.06	2970.56	2651.63	2311.31	1998.56	1746.00	1517.06
225.0	4197.38	3831.19	3495.94	3116.25	2732.06	2406.94	2068.88	1795.50	1528.88
270.0	4556.81	4161.94	3826.69	3484.69	3053.25	2705.06	2369.25	1992.38	1730.81
315.0	4249.13	3868.88	3524.06	3130.88	2739.38	2408.06	2070.00	1802.25	1547.44
360.0	4110.75	3742.88	3408.75	3069.56	2643.75	2318.06	2026.13	1706.63	1489.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1303.31	1123.31	972.00	862.88	769.50	708.19	658.69	622.13	597.38
45.0	1225.13	1043.44	912.38	813.38	725.63	671.06	630.56	599.63	580.50
90.0	1098.90	959.68	855.90	762.30	695.42	654.24	624.15	595.86	578.53
135.0	1234.13	1081.69	942.75	841.50	757.13	690.19	648.56	620.44	596.81
180.0	1212.75	1109.53	976.05	838.80	756.90	699.24	649.63	620.16	597.77
225.0	1306.13	1121.57	1003.44	875.93	778.84	717.41	669.21	635.79	613.24
270.0	1508.06	1291.50	1111.50	976.50	858.38	770.63	714.38	667.69	636.19
315.0	1329.19	1106.16	1020.49	879.08	793.35	728.38	669.71	635.06	607.33
360.0	1303.31	1123.31	972.00	862.88	769.50	708.19	658.69	622.13	597.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	576.56	561.38	547.31	537.19	525.38	511.88	471.38	401.06	335.25
45.0	565.31	550.69	538.88	530.44	519.75	500.63	458.44	392.06	315.56
90.0	564.36	548.66	536.06	525.71	513.11	467.66	411.13	338.51	272.14
135.0	578.81	563.63	547.88	537.19	525.38	508.50	461.25	415.13	319.50
180.0	578.08	563.96	547.82	534.88	524.31	514.01	466.20	414.51	346.67
225.0	593.89	574.03	558.96	545.46	532.18	520.82	497.76	438.02	364.22
270.0	608.06	586.69	570.94	554.63	540.00	529.88	520.31	475.88	419.63
315.0	582.69	564.53	549.34	536.57	526.95	516.54	478.97	425.53	353.87
360.0	576.56	561.38	547.31	537.19	525.38	511.88	471.38	401.06	335.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	291.38	188.38	104.06	52.99	24.13	20.70	17.78	14.91	13.11
45.0	289.69	168.41	97.88	48.71	23.79	21.43	18.96	16.09	14.06
90.0	197.38	127.29	73.86	35.89	25.76	23.06	19.97	17.21	13.67
135.0	289.69	179.49	110.70	55.69	29.25	23.12	20.08	17.61	15.24
180.0	261.73	194.01	130.11	63.56	30.99	21.60	19.35	15.86	14.29
225.0	294.19	217.46	150.41	84.21	37.86	21.94	19.29	15.69	13.50
270.0	353.81	292.50	190.74	125.27	70.82	29.31	22.16	18.79	15.53
315.0	275.29	204.53	138.66	66.15	30.09	22.95	19.35	16.26	14.06
360.0	291.38	188.38	104.06	52.99	24.13	20.70	17.78	14.91	13.11

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	10.29	9.23	8.94	8.78	8.61	8.44	8.33	8.21	8.10
45.0	10.52	9.11	8.89	8.72	8.55	8.38	8.33	8.16	8.10
90.0	9.67	9.28	9.06	8.89	8.72	8.55	8.44	8.33	8.21
135.0	11.93	9.62	9.34	9.17	8.94	8.78	8.66	8.55	8.38
180.0	11.42	9.34	9.11	8.89	8.72	8.55	8.44	8.33	8.21
225.0	11.59	9.11	8.83	8.66	8.49	8.33	8.21	8.10	7.99
270.0	12.94	10.18	9.17	8.89	8.66	8.55	8.38	8.27	8.16
315.0	11.36	9.23	9.00	8.78	8.61	8.49	8.33	8.27	8.16
360.0	10.29	9.23	8.94	8.78	8.61	8.44	8.33	8.21	8.10

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.04	7.93	7.88	7.76	7.71	7.65	7.65	7.54	7.54
45.0	7.99	7.93	7.88	7.76	7.71	7.65	7.59	7.54	7.54
90.0	8.16	8.04	7.99	7.88	7.82	7.71	7.71	7.65	7.59
135.0	8.33	8.21	8.10	7.99	7.93	7.88	7.82	7.76	7.71
180.0	8.10	8.04	7.99	7.93	7.76	7.76	7.71	7.65	7.59
225.0	7.93	7.82	7.71	7.65	7.54	7.48	7.48	7.43	7.37
270.0	8.04	7.93	7.88	7.76	7.71	7.65	7.54	7.48	7.48
315.0	7.99	7.93	7.82	7.76	7.71	7.59	7.54	7.54	7.48
360.0	8.04	7.93	7.88	7.76	7.71	7.65	7.65	7.54	7.54

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.48	7.48	7.43	7.43	7.37	7.31	7.31	7.31	7.26
45.0	7.48	7.43	7.37	7.37	7.31	7.31	7.26	7.20	7.20
90.0	7.54	7.48	7.43	7.43	7.37	7.31	7.31	7.31	7.26
135.0	7.65	7.59	7.54	7.48	7.48	7.43	7.37	7.37	7.37
180.0	7.59	7.54	7.48	7.43	7.43	7.37	7.37	7.31	7.31
225.0	7.37	7.31	7.26	7.26	7.20	7.20	7.14	7.14	7.09
270.0	7.43	7.43	7.31	7.31	7.31	7.26	7.26	7.20	7.20
315.0	7.43	7.43	7.37	7.37	7.31	7.26	7.26	7.26	7.26
360.0	7.48	7.48	7.43	7.43	7.37	7.31	7.31	7.31	7.26

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.26	7.20	7.20	7.20	7.20	7.14	7.14	7.14	7.09
45.0	7.14	7.14	7.14	7.09	7.09	7.09	7.03	7.03	7.03
90.0	7.26	7.20	7.20	7.14	7.14	7.14	7.09	7.09	7.09
135.0	7.31	7.26	7.26	7.20	7.20	7.14	7.14	7.14	7.14
180.0	7.31	7.26	7.26	7.26	7.26	7.26	7.20	7.20	7.14
225.0	7.09	7.09	7.09	7.03	7.03	7.03	6.98	6.98	6.98
270.0	7.14	7.14	7.09	7.14	7.14	7.09	7.09	7.03	7.03
315.0	7.20	7.20	7.20	7.20	7.14	7.09	7.09	7.09	7.09
360.0	7.26	7.20	7.20	7.20	7.20	7.14	7.14	7.14	7.09

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.09	7.09	7.03	7.03	7.03	7.09	7.03	7.03	6.98
45.0	6.98	7.03	6.98	6.98	6.98	6.98	6.92	6.92	6.86
90.0	7.03	7.03	7.03	7.03	7.03	7.09	7.09	6.92	6.92
135.0	7.09	7.09	7.09	7.09	7.03	7.09	7.09	7.03	6.98
180.0	7.14	7.14	7.14	7.09	7.09	7.09	7.20	7.03	6.98
225.0	6.98	6.98	6.98	6.92	6.92	6.98	6.98	6.92	6.92
270.0	7.03	7.03	7.03	6.98	7.03	7.03	7.09	6.92	6.98
315.0	7.09	7.03	7.09	7.03	7.09	7.14	6.98	6.98	6.98
360.0	7.09	7.09	7.03	7.03	7.03	7.09	7.03	7.03	6.98

Intensity data(cd)

C/γ(°)	90.0
0.0	6.98
45.0	6.86
90.0	6.92
135.0	6.98
180.0	6.98
225.0	6.86
270.0	6.92
315.0	6.98
360.0	6.98