NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.cn
Tel:+86 750 3770000 Fax:+86 750 3771111
Address:380Jinou Road,GaoXin Zone,Jiang Men City,Guangdong,China

NATA

Client:
LumCAT: 4-2275-M
Luminaire: 92.70.135.00

Report No: NT2018010520	Voltage(V): 220.4000
Test No: GC2018010520	Current(A): 0.0950
LampCAT: BXRV-DR-1830-H-3000-A-13	Power (W): 19.2600
Lamp flux(lm): 1355.0	PF: 0.9190
Number of Lamps: 1	Ballast type: AC
Length(mm): 100	Width(mm): 100
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1217.32, Efficiency(%): 89.84% , Luminous Efficacy(lm/W): 63.20
Central intensity(cd): 6383.058, Maximum intensity(cd): 6383.058
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.8
[C90/270]Total=18.8
Field angle(10%Imax): [C0/180]Total=39.8
[C90/270]Total=39.8
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.33 C90_270=0.33
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.95%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.472%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6383.058	1.527	1.527	.113%	.125%
1.0	6337.467	12.129	13.656	.895%	1.122%
2.0	6224.301	23.821	37.477	1.758%	3.079%
3.0	6007.945	34.481	71.958	2.545%	5.911%
4.0	5725.697	43.799	115.757	3.232%	9.509%
5.0	5351.860	51.151	166.908	3.775%	13.711%
6.0	4909.984	56.282	223.189	4.154%	18.335%
7.0	4429.188	59.193	282.382	4.368%	23.197%
8.0	3915.851	59.763	342.146	4.411%	28.107%
9.0	3406.980	58.446	400.591	4.313%	32.908%
10.0	2920.789	55.619	456.21	4.105%	37.477%
11.0	2486.048	52.019	508.229	3.839%	41.750%
12.0	2107.338	48.047	556.276	3.546%	45.697%
13.0	1776.308	43.819	600.094	3.234%	49.296%
14.0	1490.696	39.547	639.642	2.919%	52.545%
15.0	1259.839	35.757	675.399	2.639%	55.483%
16.0	1048.240	31.685	707.084	2.338%	58.085%
17.0	918.345	29.444	736.527	2.173%	60.504%
18.0	826.728	28.015	764.543	2.068%	62.806%
19.0	717.419	25.613	790.156	1.890%	64.910%
20.0	631.236	23.675	813.831	1.747%	66.854%
21.0	572.617	22.503	836.335	1.661%	68.703%
22.0	527.020	21.650	857.984	1.598%	70.482%
23.0	497.827	21.331	879.315	1.574%	72.234%
24.0	481.301	21.468	900.783	1.584%	73.997%
25.0	469.909	21.778	922.561	1.607%	75.786%
26.0	461.006	22.162	944.722	1.636%	77.607%
27.0	453.610	22.583	967.305	1.667%	79.462%
28.0	446.818	23.003	990.308	1.698%	81.352%
29.0	439.654	23.374	1013.683	1.725%	83.272%
30.0	432.688	23.724	1037.407	1.751%	85.221%
31.0	425.240	24.017	1061.424	1.772%	87.194%
32.0	416.737	24.217	1085.642	1.787%	89.183%
33.0	402.160	24.019	1109.661	1.773%	91.156%
34.0	369.452	22.655	1132.316	1.672%	93.017%
35.0	326.500	20.536	1152.853	1.516%	94.704%
36.0	267.092	17.216	1170.069	1.271%	96.119%
37.0	220.955	14.582	1184.651	1.076%	97.316%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	170.016	11.478	1196.129	.847%	98.259%
39.0	91.084	6.286	1202.415	.464%	98.776%
40.0	41.734	2.942	1205.357	.217%	99.017%
41.0	19.652	1.414	1206.771	.104%	99.134%
42.0	10.400	0.763	1207.534	.056%	99.196%
43.0	6.902	0.516	1208.05	.038%	99.239%
44.0	5.070	0.386	1208.436	.029%	99.270%
45.0	4.020	0.312	1208.748	.023%	99.296%
46.0	3.625	0.286	1209.034	.021%	99.320%
47.0	3.399	0.273	1209.306	.020%	99.342%
48.0	3.283	0.268	1209.574	.020%	99.364%
49.0	3.155	0.261	1209.835	.019%	99.385%
50.0	3.005	0.252	1210.088	.019%	99.406%
51.0	2.889	0.246	1210.334	.018%	99.426%
52.0	2.831	0.245	1210.578	.018%	99.446%
53.0	2.732	0.239	1210.818	.018%	99.466%
54.0	2.639	0.234	1211.052	.017%	99.485%
55.0	2.546	0.229	1211.28	.017%	99.504%
56.0	2.471	0.225	1211.505	.017%	99.523%
57.0	2.384	0.219	1211.724	.016%	99.541%
58.0	2.332	0.217	1211.941	.016%	99.558%
59.0	2.251	0.212	1212.153	.016%	99.576%
60.0	2.193	0.208	1212.361	.015%	99.593%
61.0	2.129	0.204	1212.565	.015%	99.610%
62.0	2.082	0.202	1212.767	.015%	99.626%
63.0	2.036	0.199	1212.966	.015%	99.643%
64.0	1.955	0.193	1213.158	.014%	99.658%
65.0	1.897	0.189	1213.347	.014%	99.674%
66.0	1.885	0.189	1213.536	.014%	99.689%
67.0	1.833	0.185	1213.721	.014%	99.705%
68.0	1.758	0.179	1213.899	.013%	99.719%
69.0	1.734	0.178	1214.077	.013%	99.734%
70.0	1.717	0.177	1214.254	.013%	99.748%
71.0	1.688	0.175	1214.429	.013%	99.763%
72.0	1.630	0.170	1214.599	.013%	99.777%
73.0	1.589	0.167	1214.766	.012%	99.790%
74.0	1.584	0.167	1214.933	.012%	99.804%
75.0	1.566	0.166	1215.098	.012%	99.818%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.531	0.163	1215.261	.012%	99.831%
77.0	1.485	0.159	1215.42	.012%	99.844%
78.0	1.485	0.159	1215.579	.012%	99.857%
79.0	1.479	0.159	1215.739	.012%	99.870%
80.0	1.427	0.154	1215.893	.011%	99.883%
81.0	1.392	0.151	1216.043	.011%	99.895%
82.0	1.404	0.152	1216.196	.011%	99.908%
83.0	1.375	0.150	1216.345	.011%	99.920%
84.0	1.369	0.149	1216.495	.011%	99.932%
85.0	1.375	0.150	1216.645	.011%	99.945%
86.0	1.334	0.146	1216.791	.011%	99.957%
87.0	1.346	0.147	1216.938	.011%	99.969%
88.0	1.375	0.151	1217.089	.011%	99.981%
89.0	1.369	0.150	1217.239	.011%	99.994%
90.0	1.433	0.079	1217.318	.006%	100.000%

Zonal flux distribution table

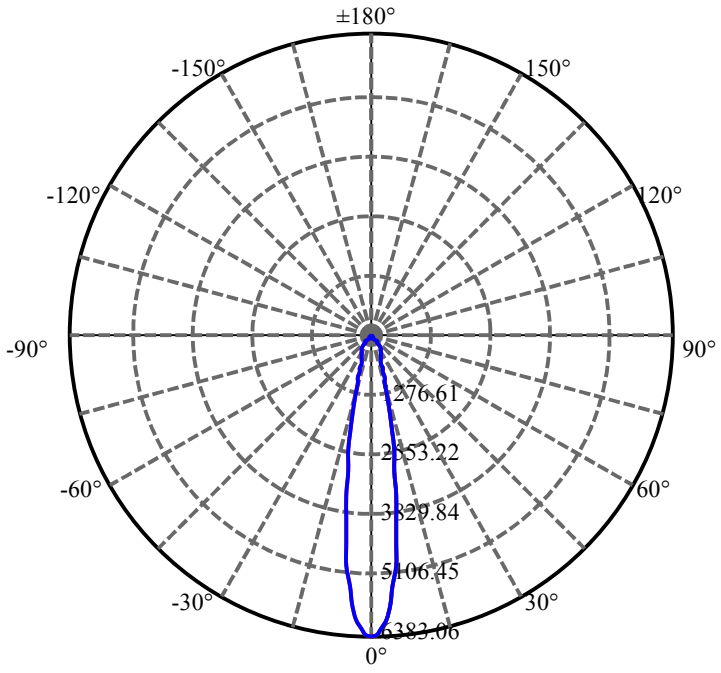
ZONAL LUMEN SUMMARY

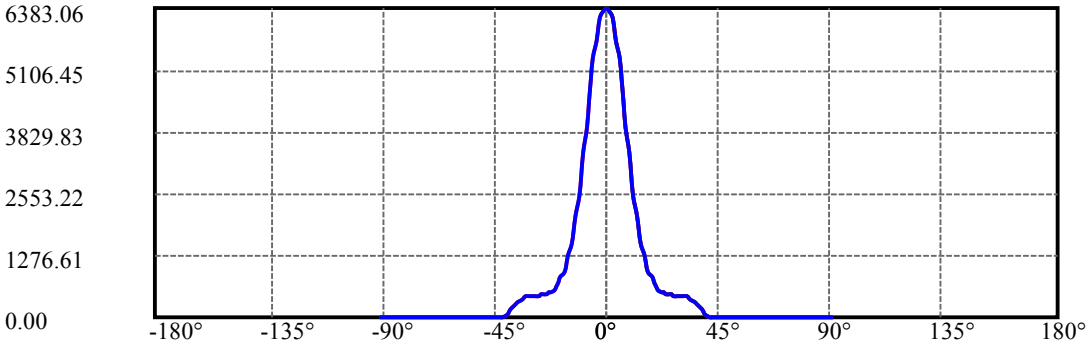
Zone	Lumens	%Lamp	%Fixt
0-30	1037.41	76.56%	85.22%
0-40	1205.36	88.96%	99.02%
0-60	1212.36	89.47%	99.59%
0-90	1217.24	89.83%	99.99%
0-120	1217.24	89.83%	99.99%
0-180	1217.32	89.84%	100.00%
60-90	5.09	0.38%	0.42%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.28	973.85	71.87%	80.00%

ZONAL LUMEN SUMMARY

0-10	456.21
10-20	357.62
20-30	223.58
30-40	167.95
40-50	4.73
50-60	2.27
60-70	1.89
70-80	1.64
80-90	1.35
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):

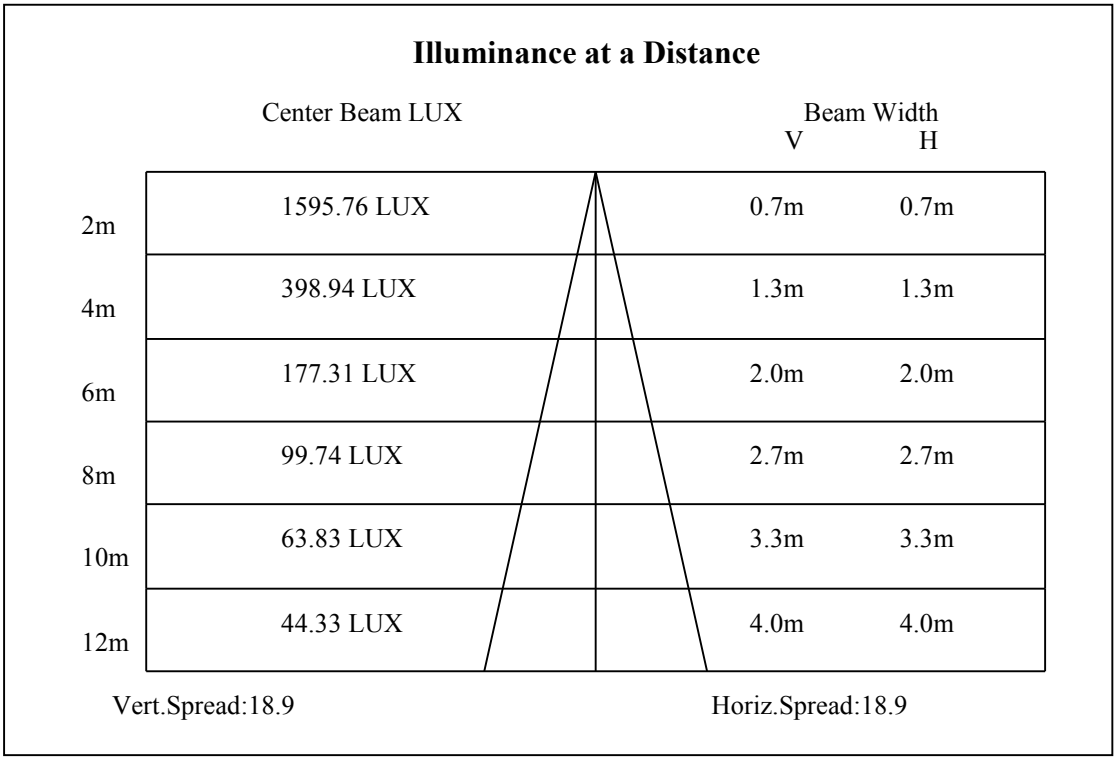
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:19.9 Right:19.9
:C90/270Left:19.9 Right:19.9

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4

Lux distance Curve

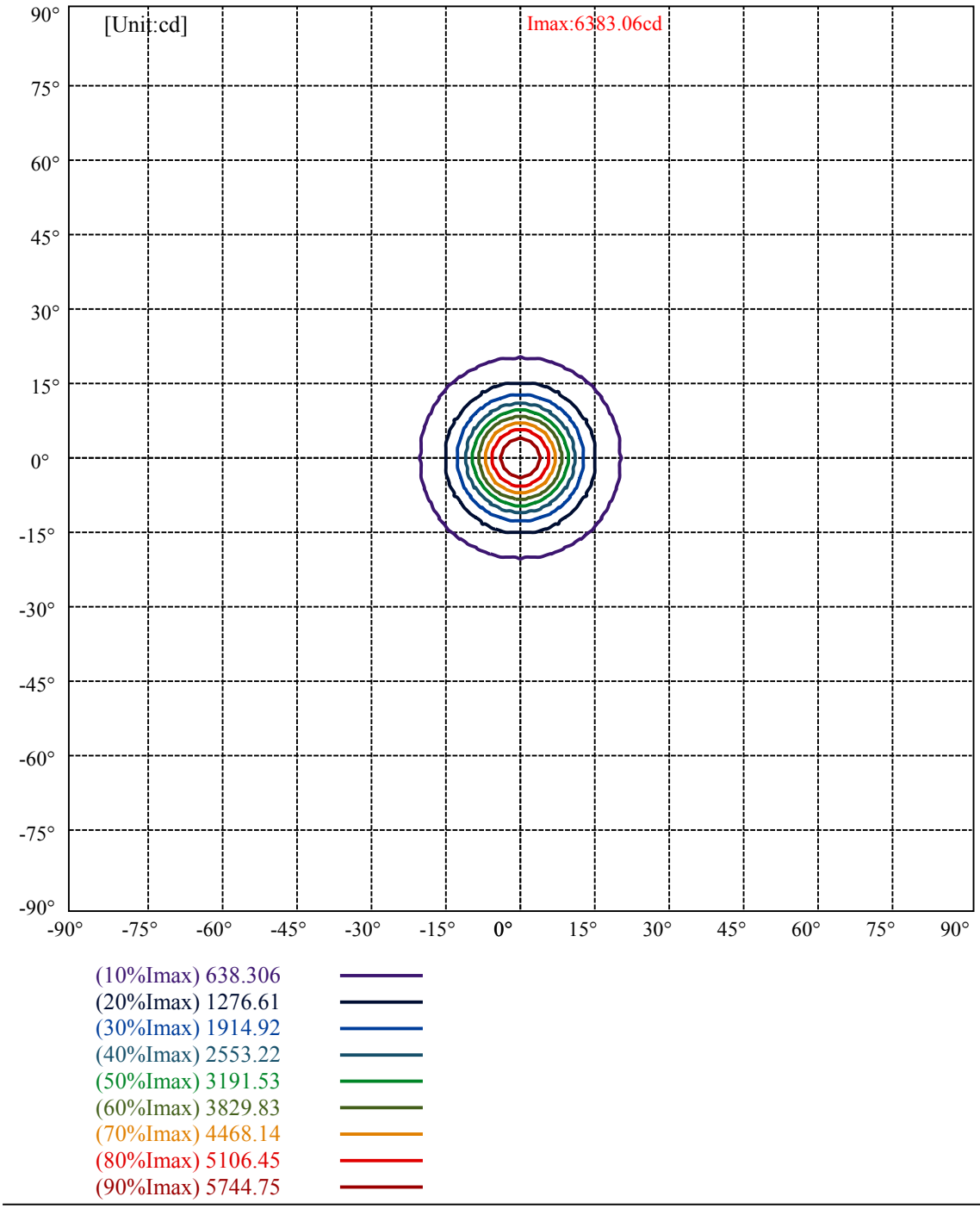


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2018/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO-Intensity(V-H)

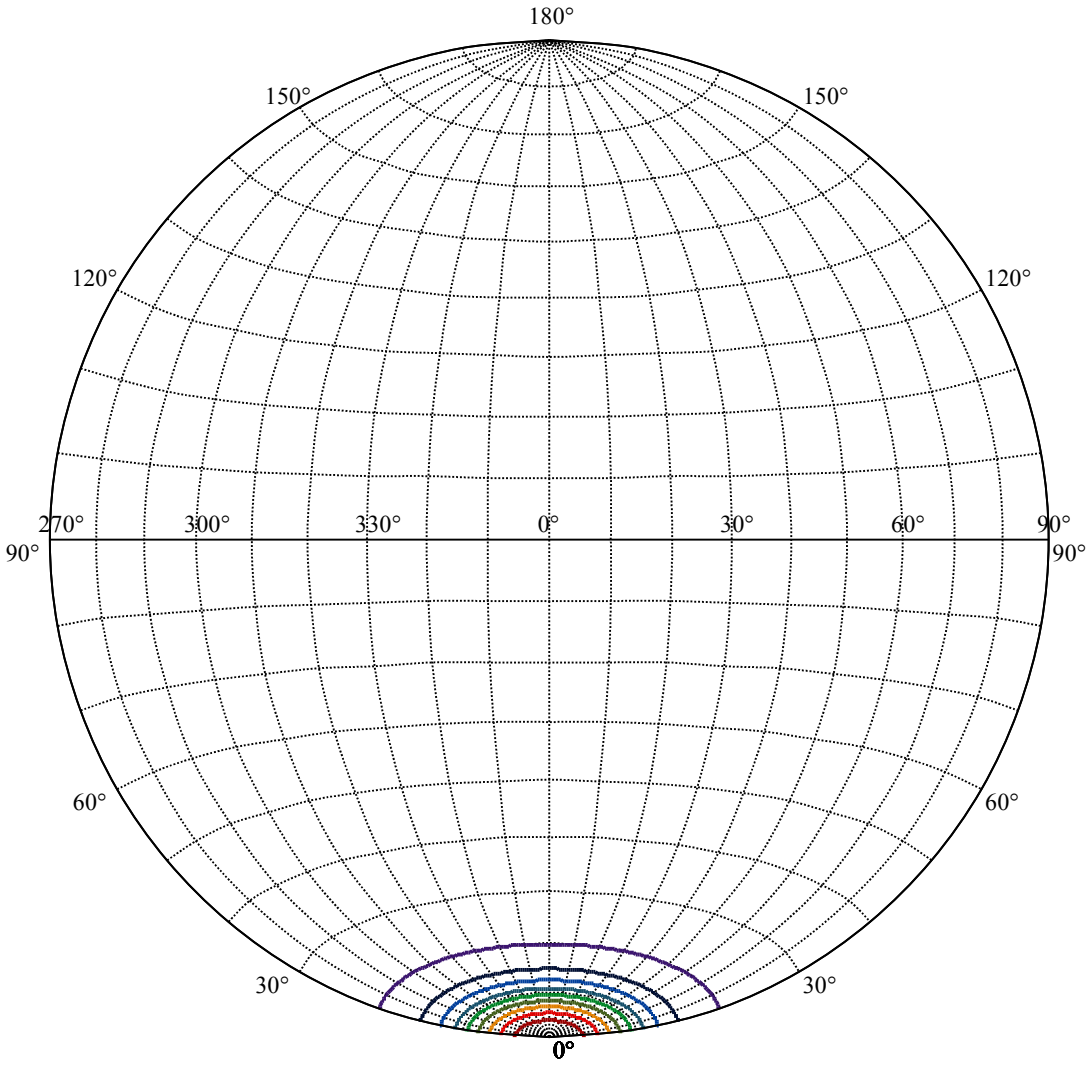


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2018/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6383.06

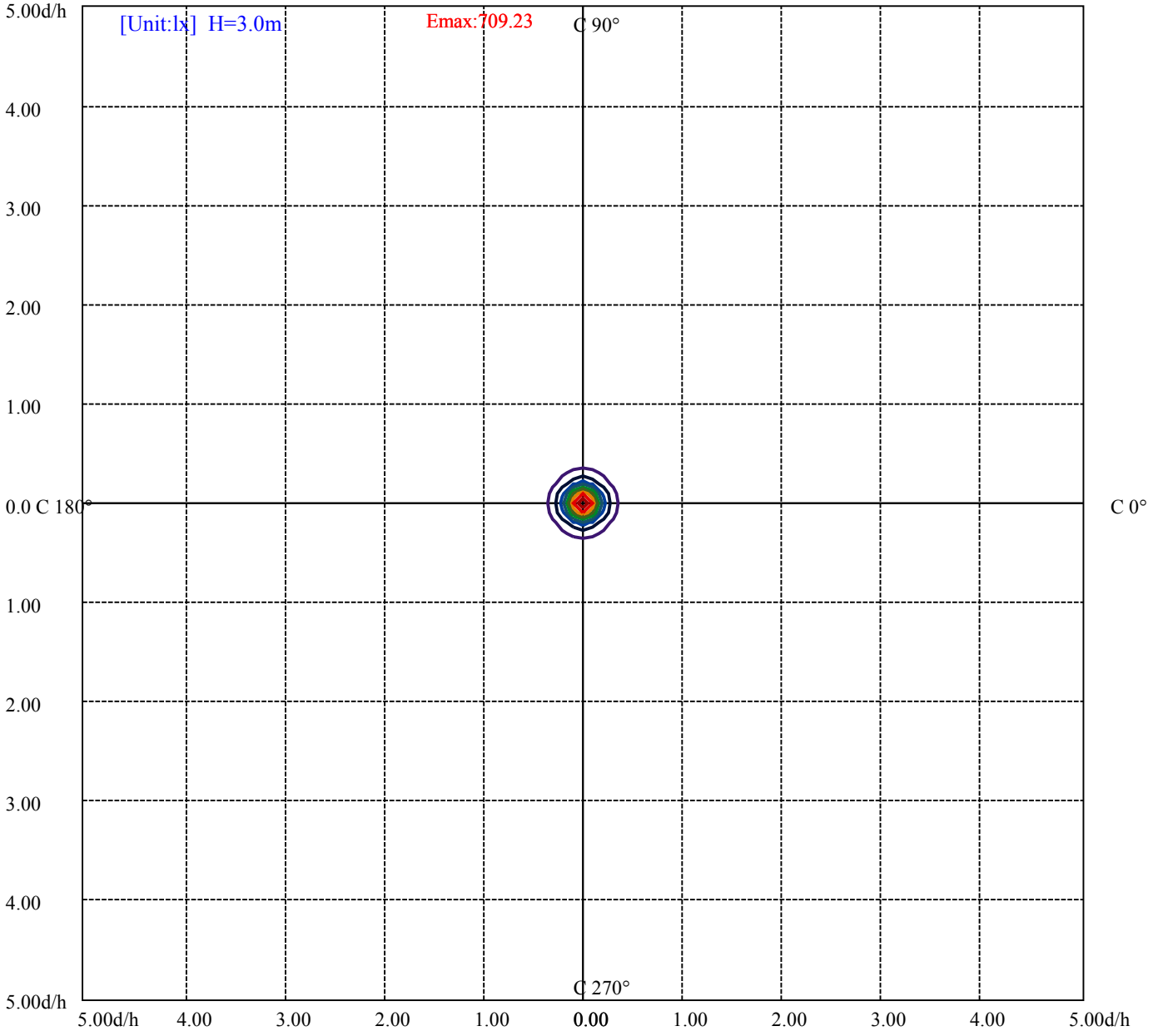
(10%Imax) 638.306
(20%Imax) 1276.61
(30%Imax) 1914.92
(40%Imax) 2553.22
(50%Imax) 3191.53
(60%Imax) 3829.83
(70%Imax) 4468.14
(80%Imax) 5106.45
(90%Imax) 5744.75

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2018/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

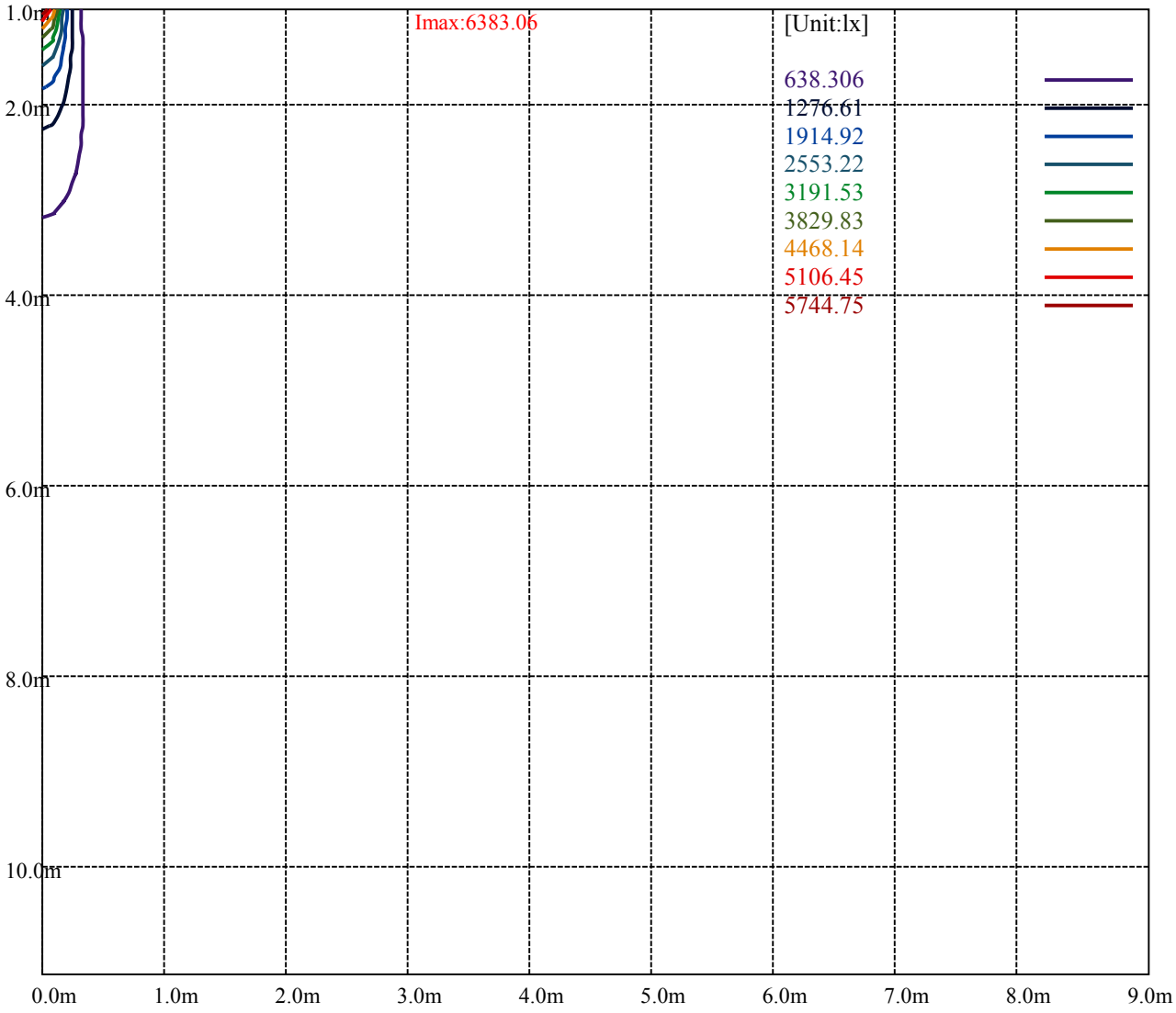
ISO illuminance diagram



(10%Emax) 70.92278
(20%Emax) 141.8456
(30%Emax) 212.7689
(40%Emax) 283.6911
(50%Emax) 354.6144
(60%Emax) 425.5367
(70%Emax) 496.46
(80%Emax) 567.3822
(90%Emax) 638.3055

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2018/1/2
Humidity(%): 60.0%
Operator: NT07
Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2018/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

Luminance Limitting Curve(no luminous side)

Luminance Table

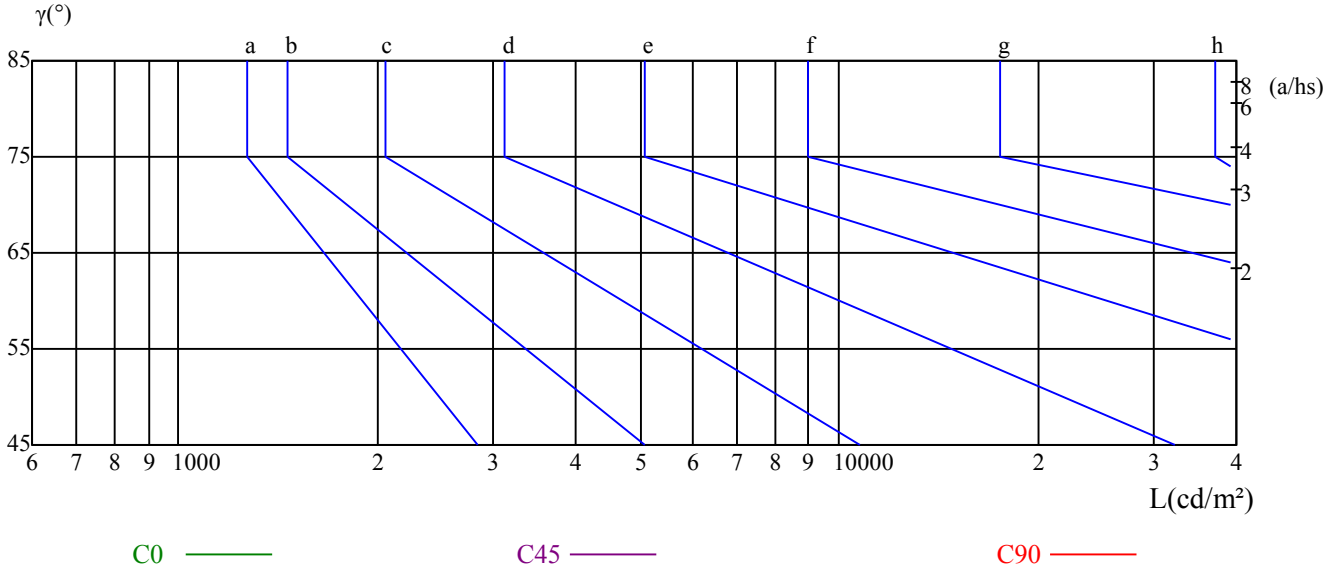
γ	45	50	55	60	65	70	75	80	85
C0	340	260	227	203	184	177	173	171	182
C45	292	220	189	166	148	139	133	129	133
C90	340	260	227	203	184	177	173	171	182

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
449	449	449	605	605	605	1577	1577	1577

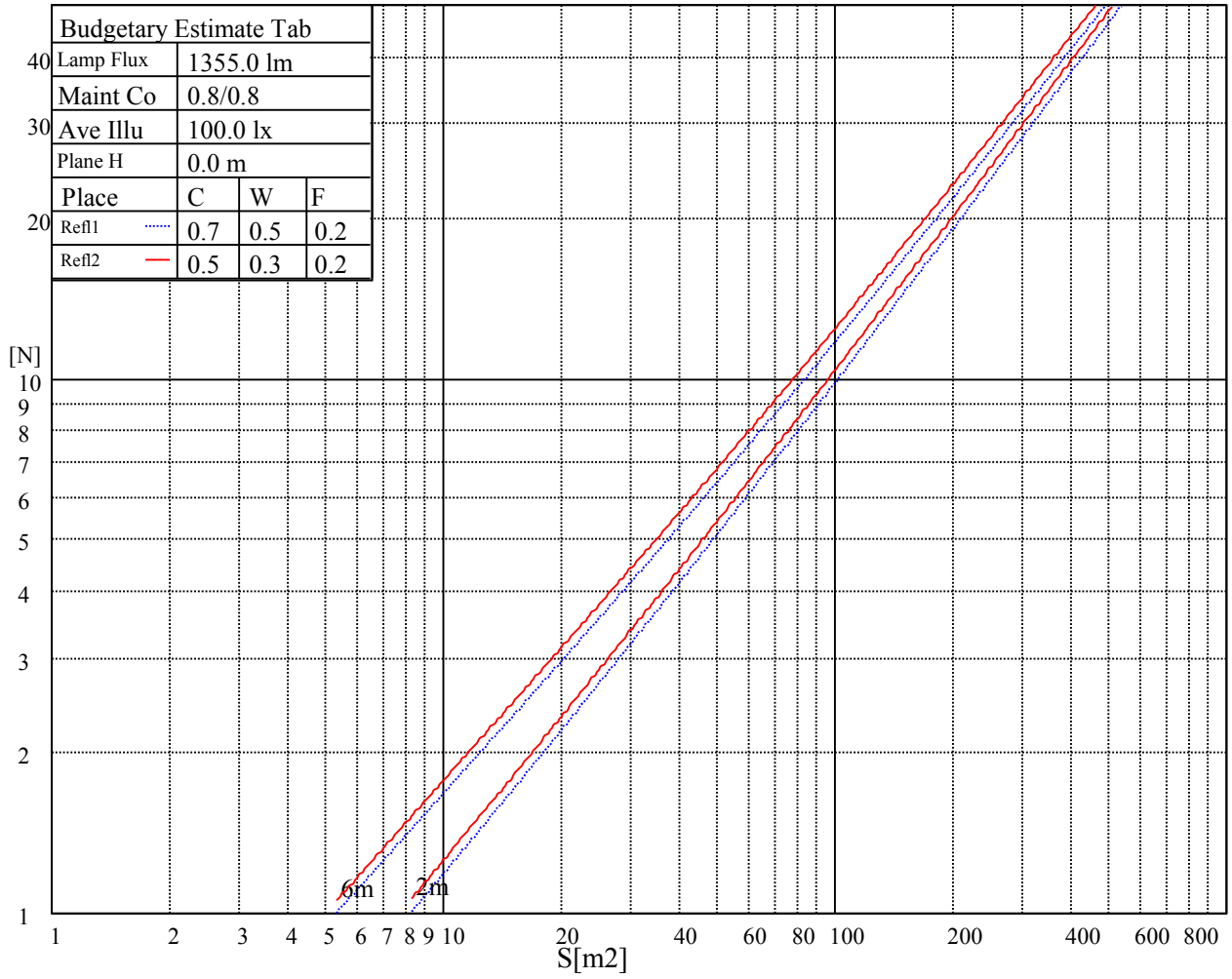
Glare Table

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

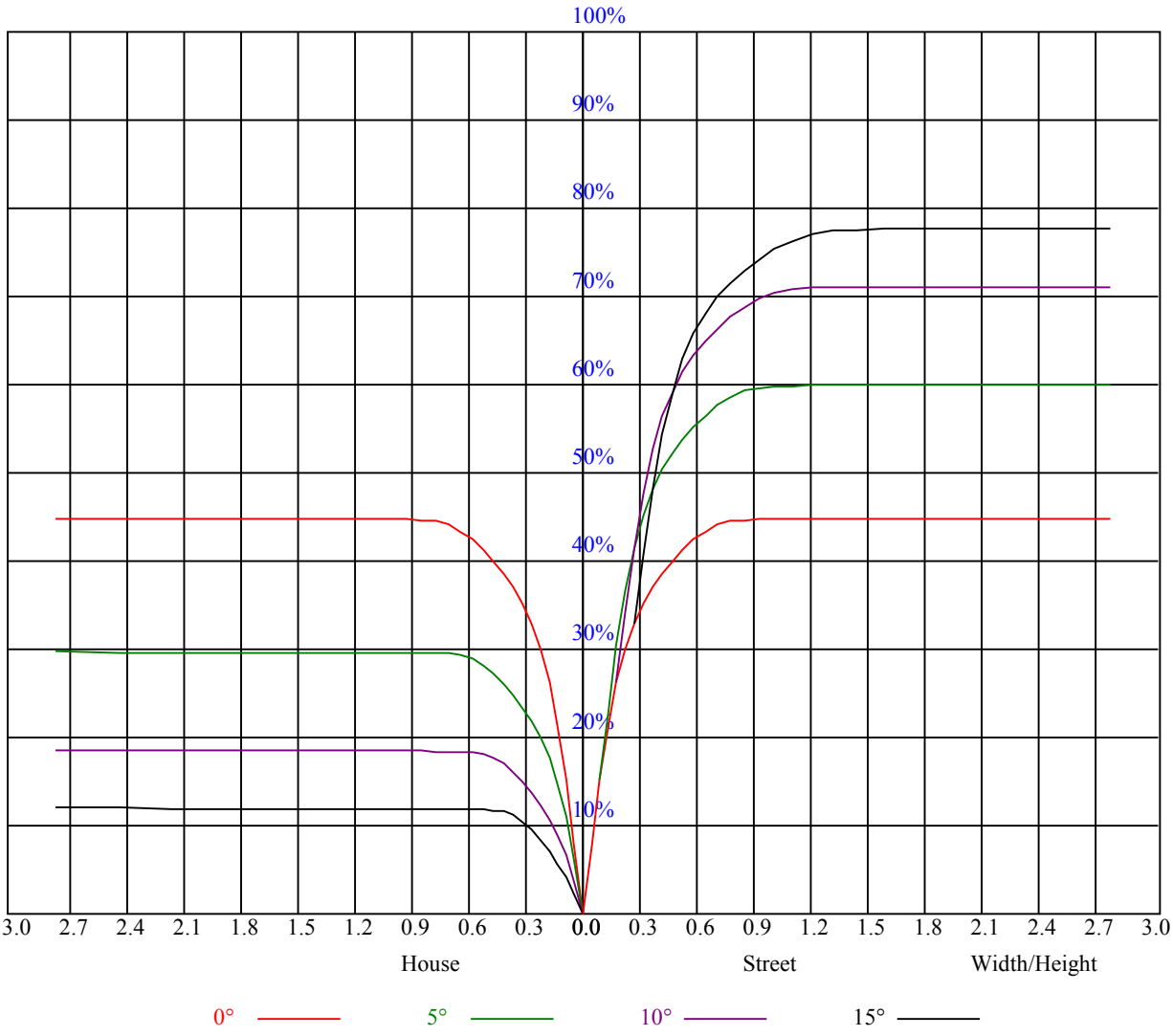


Equipment: GMS 1800 Date: 2018/1/2 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 6.81

Utilization factor table for indoor luminaire

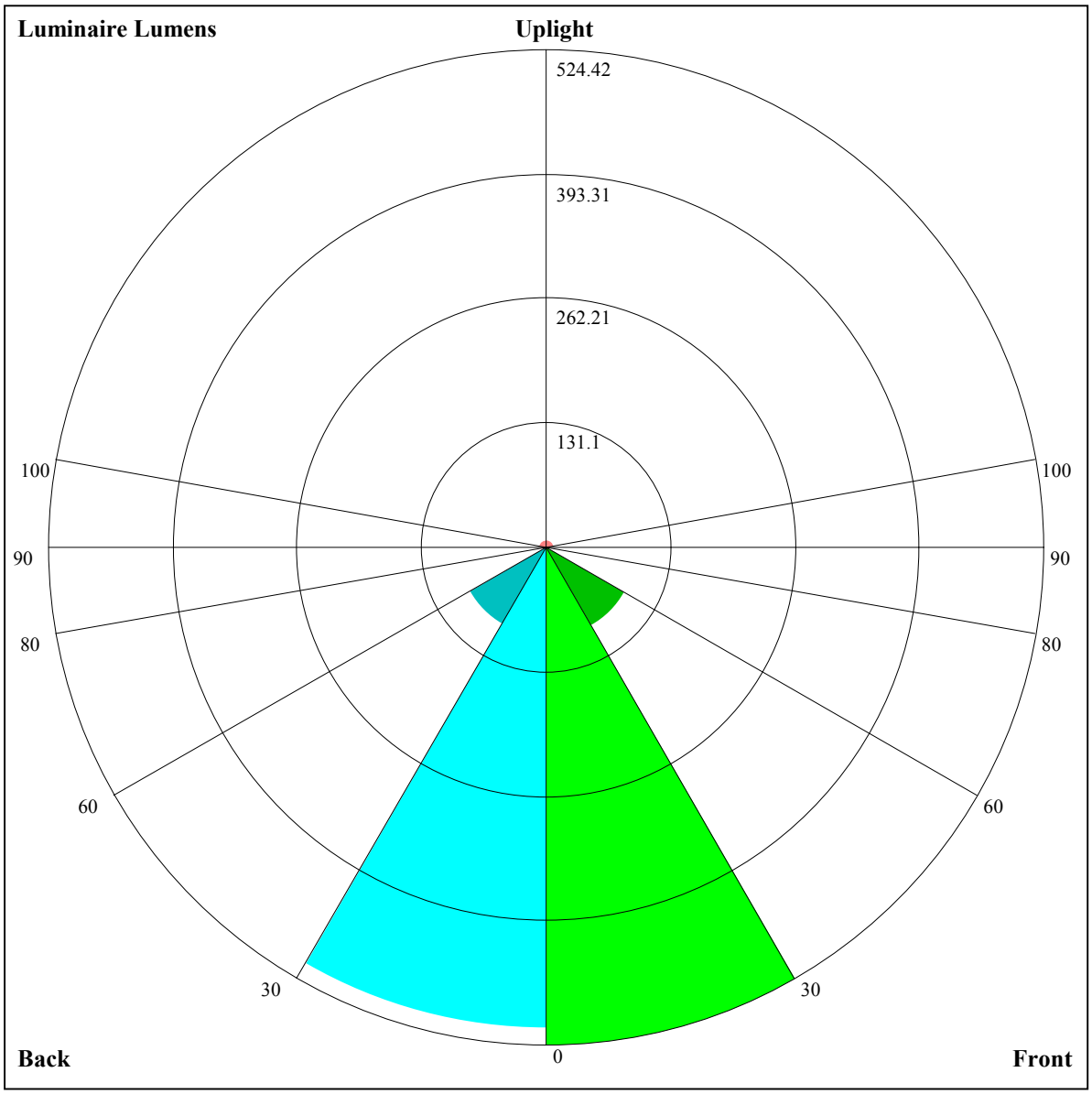
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.93	0.90	0.94	0.92	0.89	0.92	0.89	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.91	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.87	0.83	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.79	0.76	0.75	0.73
6	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.75	0.72	0.76	0.74	0.72	0.71
7	0.78	0.73	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2018/1/2	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 6.81

LCS Graph



Luminaire Lumens:

FL=524.42,FM=94.64,FH=1.79,FVH=0.76

BL=505.92,BM=92.74,BH=1.77,BVH=0.76

UL=1.56,UH=7.44

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	6380.97	6353.13	6242.22	6035.27	5743.39	5370.31	4923.91	4415.32	3886.79
45.0	6359.16	6356.84	6300.69	6130.39	5871.93	5543.39	5147.11	4688.64	4188.88
90.0	6345.70	6177.72	5909.51	5559.63	5150.35	4685.86	4176.81	3650.60	3129.49
135.0	6446.40	6357.30	6194.89	6049.19	5734.57	5345.25	4874.25	4348.97	3813.94
180.0	6380.97	6329.46	6195.36	5962.41	5644.55	5253.83	4791.66	4277.97	3747.58
225.0	6359.16	6263.11	6156.38	5775.41	5570.77	5181.44	4733.65	4240.38	3729.95
270.0	6345.70	6419.95	6417.16	6334.10	6150.81	5879.35	5535.97	5211.61	4748.04
315.0	6446.40	6442.22	6378.19	6217.17	5939.21	5555.45	5096.53	4600.01	4082.15
360.0	6380.97	6353.13	6242.22	6035.27	5743.39	5370.31	4923.91	4415.32	3886.79

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3372.18	2881.23	2606.52	2197.24	1852.93	1565.70	1333.21	925.19	870.06
45.0	3677.05	3167.54	2686.34	2258.03	1897.02	1592.61	1341.57	1136.46	971.73
90.0	2646.43	2224.62	1871.96	1576.83	1336.00	1054.33	903.52	903.52	783.20
135.0	3296.08	2810.70	2370.33	1997.25	1686.34	1432.98	1228.81	1059.90	918.37
180.0	3235.75	2759.19	2333.21	1968.01	1659.89	1409.78	1243.19	1039.48	925.33
225.0	3222.29	2737.84	2305.83	1935.99	1623.70	1367.09	1062.22	880.46	831.50
270.0	4243.63	3722.52	3111.85	2726.24	2294.69	1927.18	1622.31	1372.19	1163.84
315.0	3562.43	3062.67	2602.35	2199.10	1859.89	1575.90	1343.89	1068.72	882.73
360.0	3372.18	2881.23	2606.52	2197.24	1852.93	1565.70	1333.21	925.19	870.06

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	844.22	729.32	635.73	565.47	519.67	496.79	477.26	468.02	458.23
45.0	837.16	729.04	642.27	598.65	542.50	497.03	486.35	472.90	462.69
90.0	684.77	606.31	547.93	511.64	489.74	476.19	465.94	457.54	450.62
135.0	844.59	695.63	614.89	575.91	529.51	501.20	484.03	472.43	464.08
180.0	805.14	701.66	620.00	560.13	519.76	494.71	480.32	470.11	462.69
225.0	725.38	672.01	600.41	548.12	512.25	490.85	478.19	468.35	460.60
270.0	989.83	845.98	731.83	641.34	574.52	528.58	498.88	482.18	470.58
315.0	882.73	759.39	656.84	579.67	528.21	497.26	479.44	467.75	458.56
360.0	844.22	729.32	635.73	565.47	519.67	496.79	477.26	468.02	458.23

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	450.02	442.92	436.61	428.44	421.85	415.22	406.68	383.15	338.47
45.0	454.34	446.91	440.88	432.53	425.10	418.60	411.18	388.91	345.75
90.0	445.47	436.56	429.51	424.08	415.08	393.73	359.07	304.08	243.39
135.0	456.66	449.69	443.20	435.31	428.81	421.85	407.47	375.45	329.05
180.0	455.26	449.23	441.81	434.85	428.81	420.92	411.18	361.53	329.51
225.0	453.92	447.84	440.09	433.13	426.86	418.88	392.39	344.59	288.35
270.0	462.22	457.12	447.37	443.66	432.53	428.81	422.32	415.36	395.87
315.0	450.99	444.27	437.77	429.51	422.87	415.87	407.00	382.55	341.62
360.0	450.02	442.92	436.61	428.44	421.85	415.22	406.68	383.15	338.47

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	277.54	208.72	139.12	77.82	35.59	14.29	9.61	6.31	4.92
45.0	290.53	243.66	243.66	123.48	50.90	27.52	11.69	7.89	5.48
90.0	179.95	118.05	63.06	22.97	10.49	7.52	5.15	3.81	3.62
135.0	263.62	263.62	232.53	58.28	25.24	10.67	8.12	5.80	4.55
180.0	265.94	237.63	168.72	61.81	25.75	10.86	8.31	5.99	4.22
225.0	228.81	169.37	133.92	59.21	34.48	12.48	9.37	6.73	4.36
270.0	351.78	295.64	258.98	258.98	108.35	56.10	20.32	11.23	7.98
315.0	278.56	230.95	120.14	66.12	43.06	17.77	10.63	7.47	5.43
360.0	277.54	208.72	139.12	77.82	35.59	14.29	9.61	6.31	4.92

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	3.85	3.57	3.39	3.29	3.20	3.06	2.88	2.88	2.74
45.0	3.90	3.57	3.48	3.34	3.16	3.02	2.92	2.88	2.78
90.0	3.48	3.29	3.11	3.06	2.97	2.83	2.69	2.64	2.64
135.0	3.71	3.53	3.43	3.29	3.11	2.97	2.92	2.83	2.69
180.0	3.67	3.53	3.39	3.20	3.06	2.97	2.88	2.74	2.64
225.0	3.71	3.53	3.29	3.20	3.11	2.97	2.83	2.78	2.69
270.0	5.99	4.41	3.67	3.53	3.43	3.20	3.06	3.02	2.92
315.0	3.85	3.57	3.43	3.34	3.20	3.02	2.92	2.88	2.74
360.0	3.85	3.57	3.39	3.29	3.20	3.06	2.88	2.88	2.74

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.69	2.60	2.51	2.37	2.32	2.27	2.27	2.13	2.09
45.0	2.60	2.55	2.55	2.46	2.32	2.32	2.23	2.18	2.13
90.0	2.55	2.46	2.37	2.27	2.27	2.18	2.09	2.04	2.04
135.0	2.69	2.55	2.46	2.41	2.41	2.27	2.18	2.13	2.04
180.0	2.60	2.51	2.41	2.32	2.27	2.27	2.13	2.04	2.04
225.0	2.55	2.46	2.37	2.32	2.27	2.13	2.13	2.09	2.09
270.0	2.78	2.64	2.60	2.55	2.46	2.32	2.32	2.27	2.13
315.0	2.64	2.60	2.51	2.37	2.32	2.23	2.18	2.13	2.09
360.0	2.69	2.60	2.51	2.37	2.32	2.27	2.27	2.13	2.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.04	2.04	1.90	1.86	1.86	1.76	1.76	1.67	1.67
45.0	2.04	1.95	1.95	1.95	1.86	1.76	1.76	1.81	1.67
90.0	2.00	1.86	1.86	1.86	1.76	1.67	1.72	1.72	1.62
135.0	2.09	1.95	1.90	1.90	1.86	1.76	1.72	1.72	1.76
180.0	2.04	1.90	1.86	1.86	1.81	1.72	1.72	1.67	1.67
225.0	2.00	1.90	1.81	1.86	1.81	1.72	1.72	1.72	1.62
270.0	2.04	2.04	2.00	1.95	1.86	1.86	1.76	1.76	1.81
315.0	2.04	2.00	1.90	1.86	1.86	1.81	1.72	1.67	1.67
360.0	2.04	2.04	1.90	1.86	1.86	1.76	1.76	1.67	1.67

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

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.39	1.35	1.35	1.35	1.39	1.35	1.30	1.39	1.35
45.0	1.39	1.44	1.39	1.39	1.39	1.39	1.39	1.39	1.35
90.0	1.35	1.39	1.35	1.35	1.39	1.30	1.35	1.48	1.62
135.0	1.44	1.39	1.44	1.39	1.39	1.35	1.35	1.35	1.39
180.0	1.44	1.39	1.35	1.39	1.30	1.35	1.35	1.35	1.35
225.0	1.39	1.44	1.39	1.35	1.39	1.30	1.35	1.35	1.25
270.0	1.39	1.39	1.35	1.39	1.35	1.35	1.39	1.35	1.35
315.0	1.35	1.44	1.39	1.35	1.39	1.30	1.30	1.35	1.30
360.0	1.39	1.35	1.35	1.35	1.39	1.35	1.30	1.39	1.35

Intensity data(cd)

C/γ(°)	90.0
0.0	1.35
45.0	1.53
90.0	1.81
135.0	1.39
180.0	1.35
225.0	1.39
270.0	1.25
315.0	1.39
360.0	1.35