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

Nata

Client:
LumCAT: 1653-S
Luminaire: 92.70.043.00
Report No:
Test No: GC20190824010
LampCAT: XICATO XOB LES 6MM
Lamp flux(lm): 658.0
Number of Lamps: 1
Length(mm): 32
Phm Type: C

Voltage(V): 31.5600
Current(A): 0.1970
Power (W): 6.2200
PF: 0.0000
Ballast type: DC
Width(mm): 32
Height(mm): 0

Photometric Results

Lumens(lm): 579.16, Efficiency(%): 88.02% , Luminous Efficacy(lm/W): 93.11
Central intensity(cd): 3865.359, Maximum intensity(cd): 3865.359
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=16.2
[C90/270]Total=16.2
Field angle(10%Imax): [C0/180]Total=34.0
[C90/270]Total=34.0
Maximum s/h(1/2): C0_180=0.28 C90_270=0.28
Maximum s/h(1/4): C0_180=0.28 C90_270=0.28
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.683%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3865.359	0.000	0	.000%	.000%
1.0	3832.031	3.683	3.683	.560%	.636%
2.0	3718.617	10.837	14.52	1.647%	2.507%
3.0	3540.586	17.362	31.882	2.639%	5.505%
4.0	3309.680	22.930	54.812	3.485%	9.464%
5.0	2996.719	27.130	81.942	4.123%	14.148%
6.0	2659.078	29.723	111.665	4.517%	19.280%
7.0	2320.805	30.910	142.575	4.698%	24.617%
8.0	1952.297	30.582	173.156	4.648%	29.898%
9.0	1603.216	28.816	201.972	4.379%	34.873%
10.0	1325.426	26.503	228.475	4.028%	39.449%
11.0	1052.719	23.763	252.238	3.611%	43.552%
12.0	871.692	21.037	273.274	3.197%	47.184%
13.0	720.401	18.894	292.168	2.871%	50.446%
14.0	596.658	16.858	309.027	2.562%	53.357%
15.0	506.679	15.147	324.174	2.302%	55.973%
16.0	439.812	13.869	338.042	2.108%	58.367%
17.0	384.434	12.836	350.878	1.951%	60.583%
18.0	345.073	12.028	362.906	1.828%	62.660%
19.0	317.257	11.523	374.429	1.751%	64.650%
20.0	292.528	11.161	385.59	1.696%	66.577%
21.0	273.621	10.871	396.461	1.652%	68.454%
22.0	261.661	10.757	407.218	1.635%	70.311%
23.0	250.474	10.746	417.964	1.633%	72.167%
24.0	237.473	10.668	428.632	1.621%	74.009%
25.0	229.774	10.624	439.256	1.615%	75.843%
26.0	223.397	10.697	449.954	1.626%	77.690%
27.0	217.702	10.792	460.745	1.640%	79.553%
28.0	211.662	10.871	471.616	1.652%	81.430%
29.0	204.933	10.899	482.515	1.656%	83.312%
30.0	194.709	10.790	493.305	1.640%	85.175%
31.0	180.879	10.452	503.757	1.588%	86.980%
32.0	162.260	9.831	513.588	1.494%	88.677%
33.0	141.061	8.936	522.524	1.358%	90.220%
34.0	118.624	7.859	530.383	1.194%	91.577%
35.0	93.825	6.598	536.981	1.003%	92.716%
36.0	71.276	5.257	542.237	.799%	93.624%
37.0	52.059	4.023	546.26	.611%	94.319%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	34.460	2.888	549.148	.439%	94.817%
39.0	22.071	1.930	551.077	.293%	95.150%
40.0	15.623	1.315	552.392	.200%	95.377%
41.0	12.016	0.984	553.376	.150%	95.547%
42.0	10.491	0.818	554.194	.124%	95.688%
43.0	9.654	0.746	554.94	.113%	95.817%
44.0	9.028	0.705	555.645	.107%	95.939%
45.0	8.578	0.677	556.322	.103%	96.056%
46.0	8.304	0.660	556.982	.100%	96.170%
47.0	8.170	0.655	557.637	.100%	96.283%
48.0	8.051	0.656	558.293	.100%	96.396%
49.0	7.966	0.658	558.951	.100%	96.510%
50.0	7.755	0.655	559.606	.100%	96.623%
51.0	7.559	0.648	560.254	.098%	96.735%
52.0	7.439	0.644	560.898	.098%	96.846%
53.0	7.249	0.639	561.537	.097%	96.956%
54.0	7.024	0.629	562.166	.096%	97.065%
55.0	6.806	0.617	562.783	.094%	97.171%
56.0	6.581	0.605	563.388	.092%	97.276%
57.0	6.469	0.597	563.985	.091%	97.379%
58.0	6.356	0.593	564.578	.090%	97.481%
59.0	6.195	0.587	565.165	.089%	97.583%
60.0	6.082	0.580	565.745	.088%	97.683%
61.0	6.033	0.578	566.323	.088%	97.783%
62.0	5.885	0.574	566.897	.087%	97.882%
63.0	5.688	0.563	567.46	.086%	97.979%
64.0	5.498	0.549	568.009	.083%	98.074%
65.0	5.365	0.538	568.547	.082%	98.167%
66.0	5.175	0.526	569.072	.080%	98.257%
67.0	4.971	0.510	569.583	.078%	98.345%
68.0	4.838	0.497	570.079	.076%	98.431%
69.0	4.718	0.487	570.567	.074%	98.515%
70.0	4.620	0.480	571.046	.073%	98.598%
71.0	4.451	0.469	571.515	.071%	98.679%
72.0	4.380	0.459	571.974	.070%	98.758%
73.0	4.338	0.456	572.43	.069%	98.837%
74.0	4.317	0.455	572.885	.069%	98.916%
75.0	4.268	0.454	573.339	.069%	98.994%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.184	0.449	573.788	.068%	99.072%
77.0	4.085	0.441	574.229	.067%	99.148%
78.0	3.966	0.431	574.66	.065%	99.222%
79.0	3.846	0.420	575.079	.064%	99.295%
80.0	3.748	0.409	575.489	.062%	99.365%
81.0	3.642	0.400	575.888	.061%	99.434%
82.0	3.614	0.393	576.282	.060%	99.502%
83.0	3.537	0.389	576.67	.059%	99.569%
84.0	3.417	0.379	577.049	.058%	99.635%
85.0	3.396	0.372	577.421	.057%	99.699%
86.0	3.347	0.369	577.79	.056%	99.763%
87.0	3.277	0.362	578.152	.055%	99.825%
88.0	3.115	0.350	578.502	.053%	99.886%
89.0	3.016	0.336	578.838	.051%	99.944%
90.0	2.939	0.327	579.165	.050%	100.000%

Zonal flux distribution table

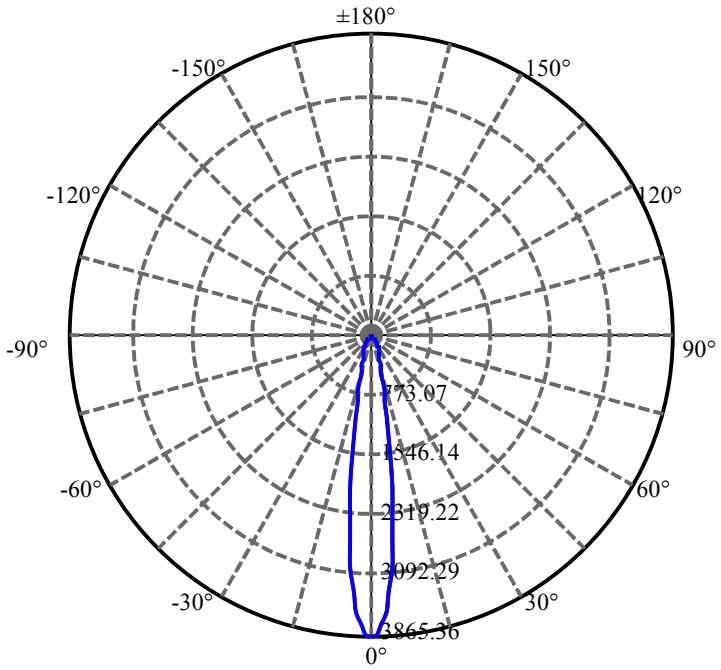
ZONAL LUMEN SUMMARY

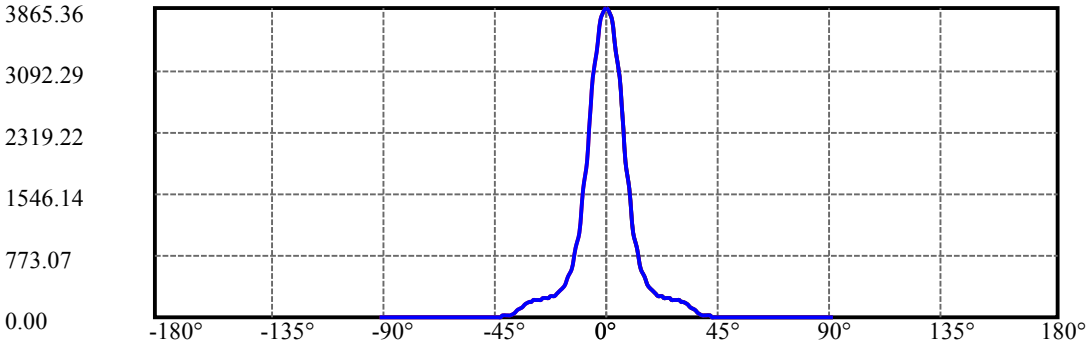
Zone	Lumens	%Lamp	%Fixt
0-30	493.31	74.97%	85.18%
0-40	552.39	83.95%	95.38%
0-60	565.74	85.98%	97.68%
0-90	578.84	87.97%	99.94%
0-120	578.84	87.97%	99.94%
0-180	579.16	88.02%	100.00%
60-90	13.67	2.08%	2.36%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.24	463.33	70.42%	80.00%

ZONAL LUMEN SUMMARY

0-10	228.48
10-20	157.11
20-30	107.72
30-40	59.09
40-50	7.21
50-60	6.14
60-70	5.30
70-80	4.44
80-90	3.35
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):

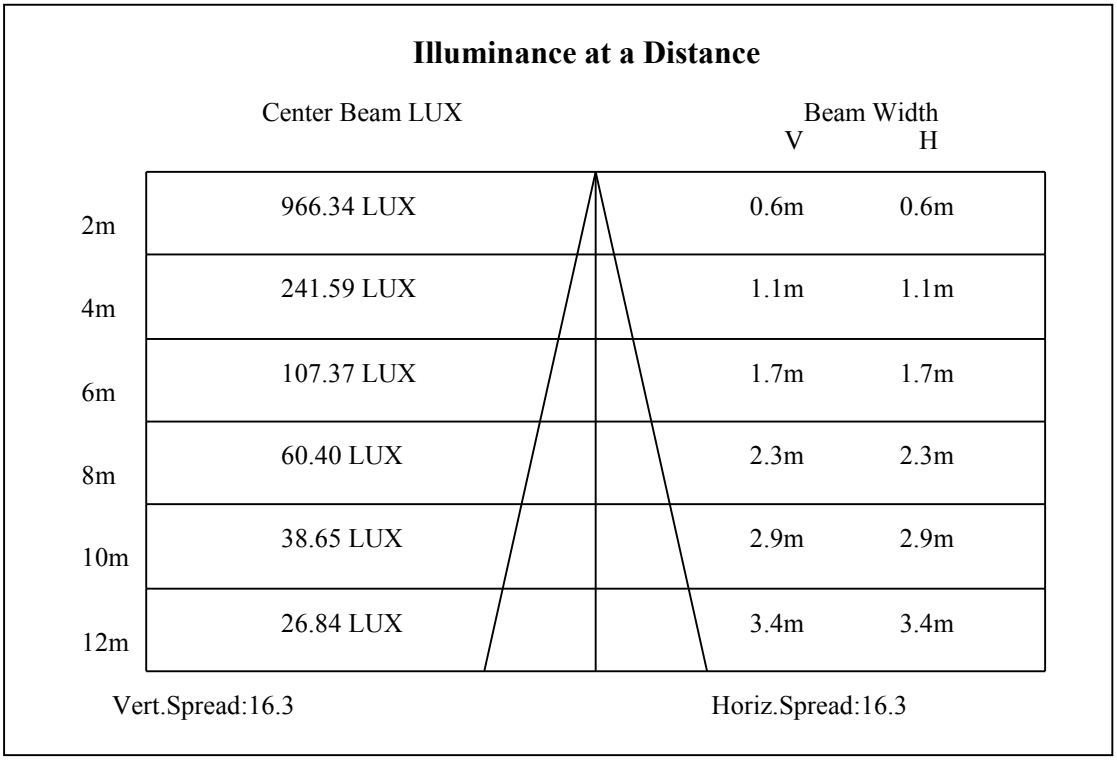
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:17.0 Right:17.0
:C90/270Left:17.0 Right:17.0

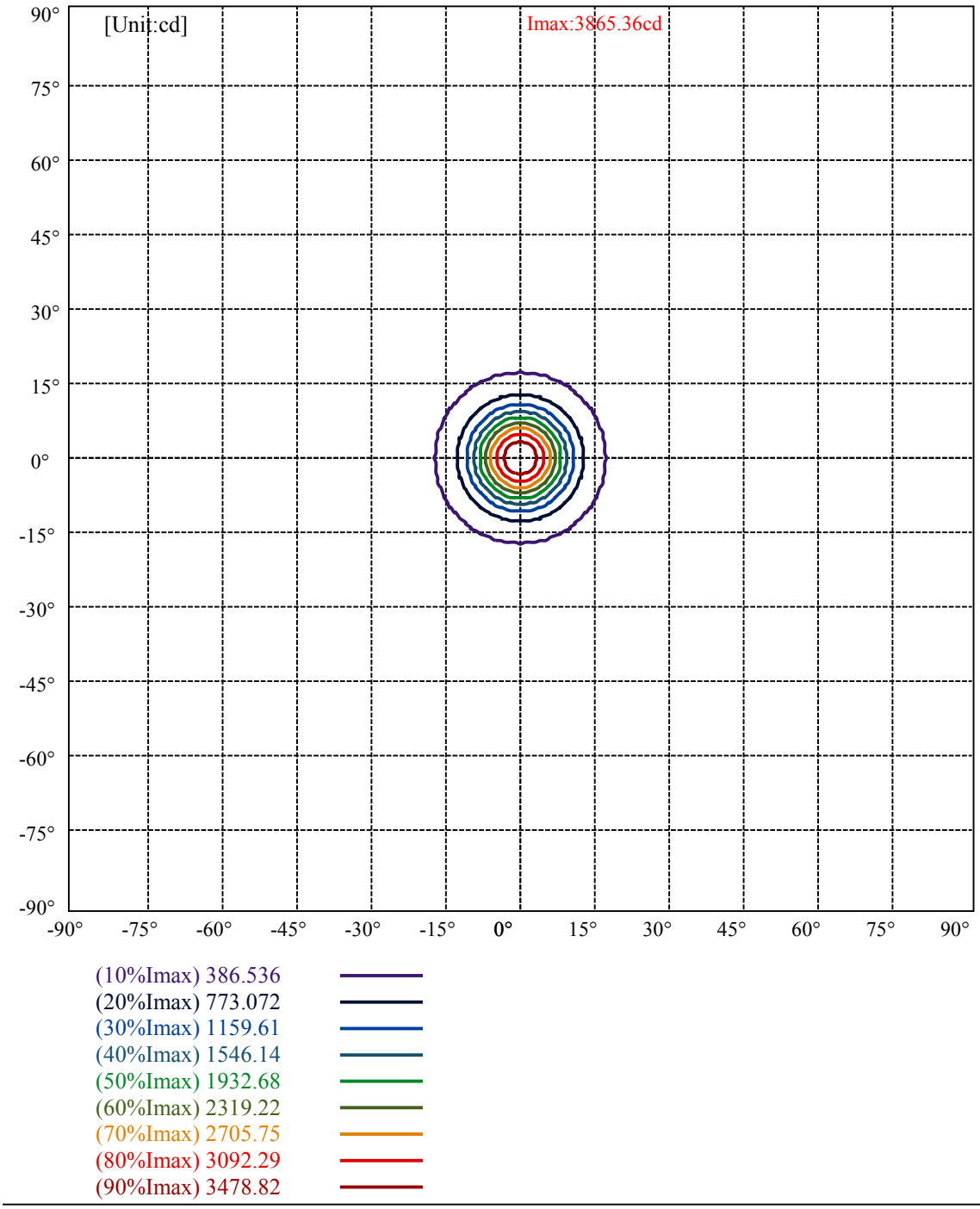
Beam Angle(50%Imax):C0/180Left:8.1 Right:8.1
:C90/270Left:8.1 Right:8.1

Lux distance Curve



Equipment: GMS1980 Date: 2019/8/24 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

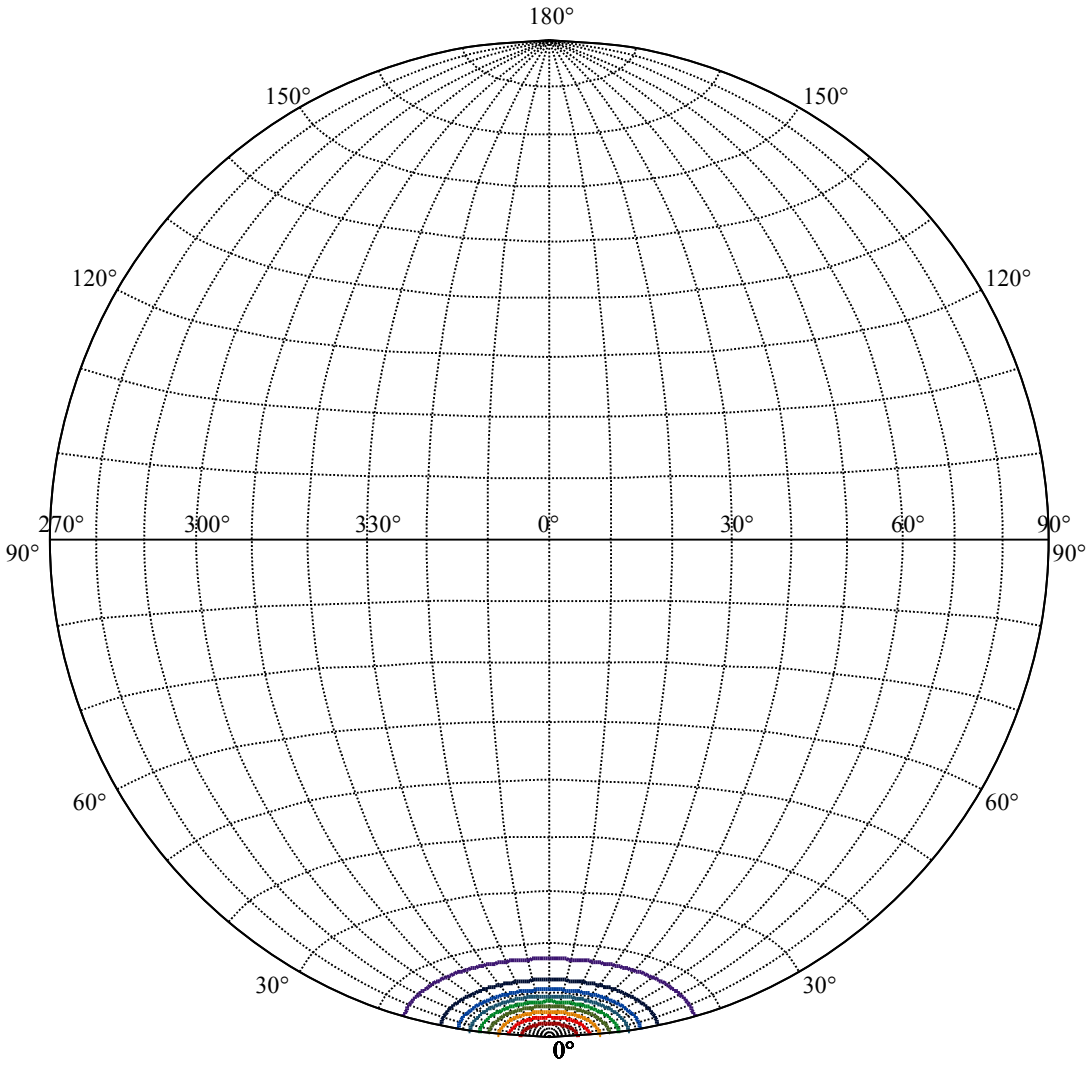


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3865.36

(10%Imax) 386.536
(20%Imax) 773.072
(30%Imax) 1159.61
(40%Imax) 1546.14
(50%Imax) 1932.68
(60%Imax) 2319.22
(70%Imax) 2705.75
(80%Imax) 3092.29
(90%Imax) 3478.82

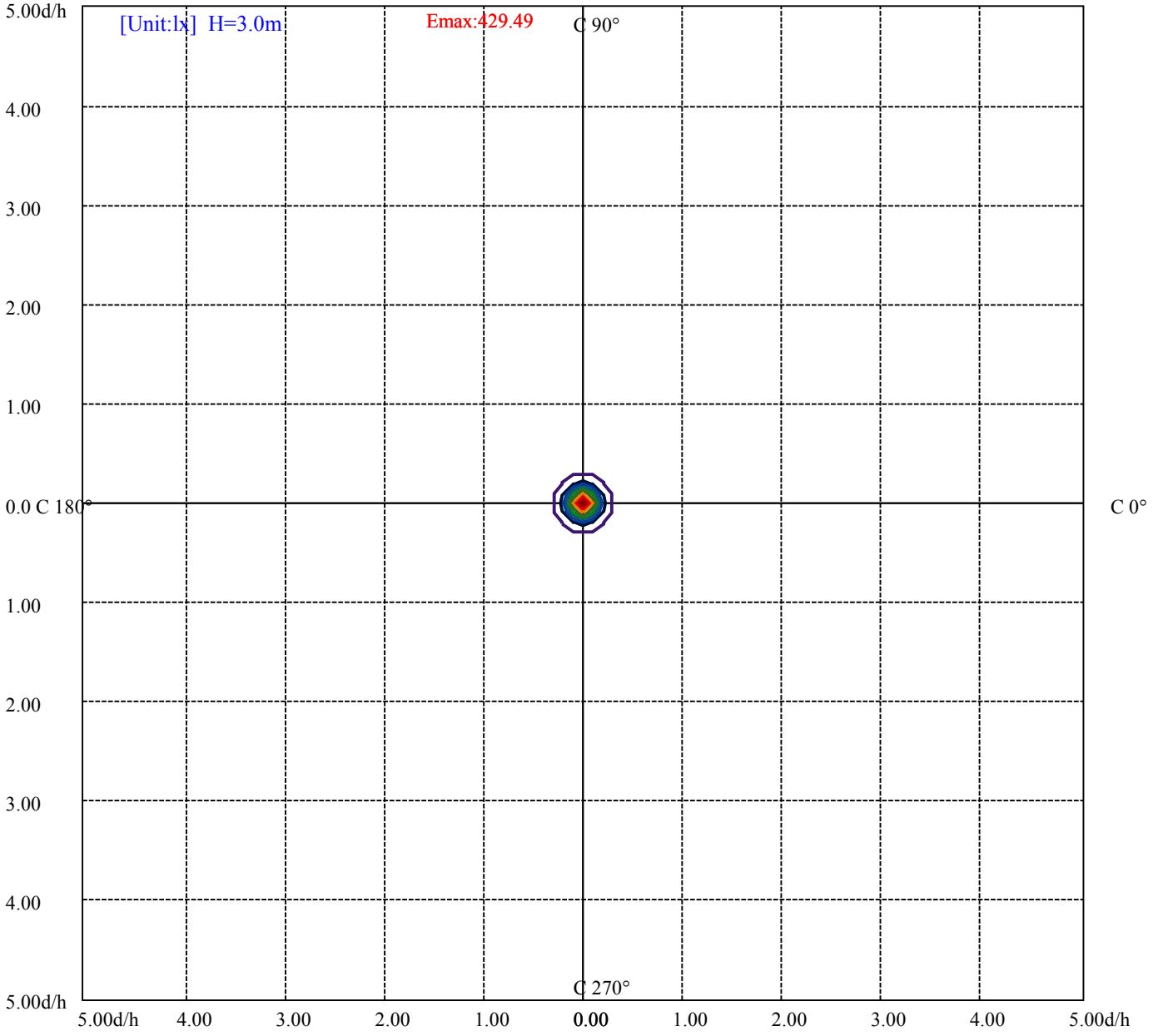
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata 1653-S

ISO illuminance diagram



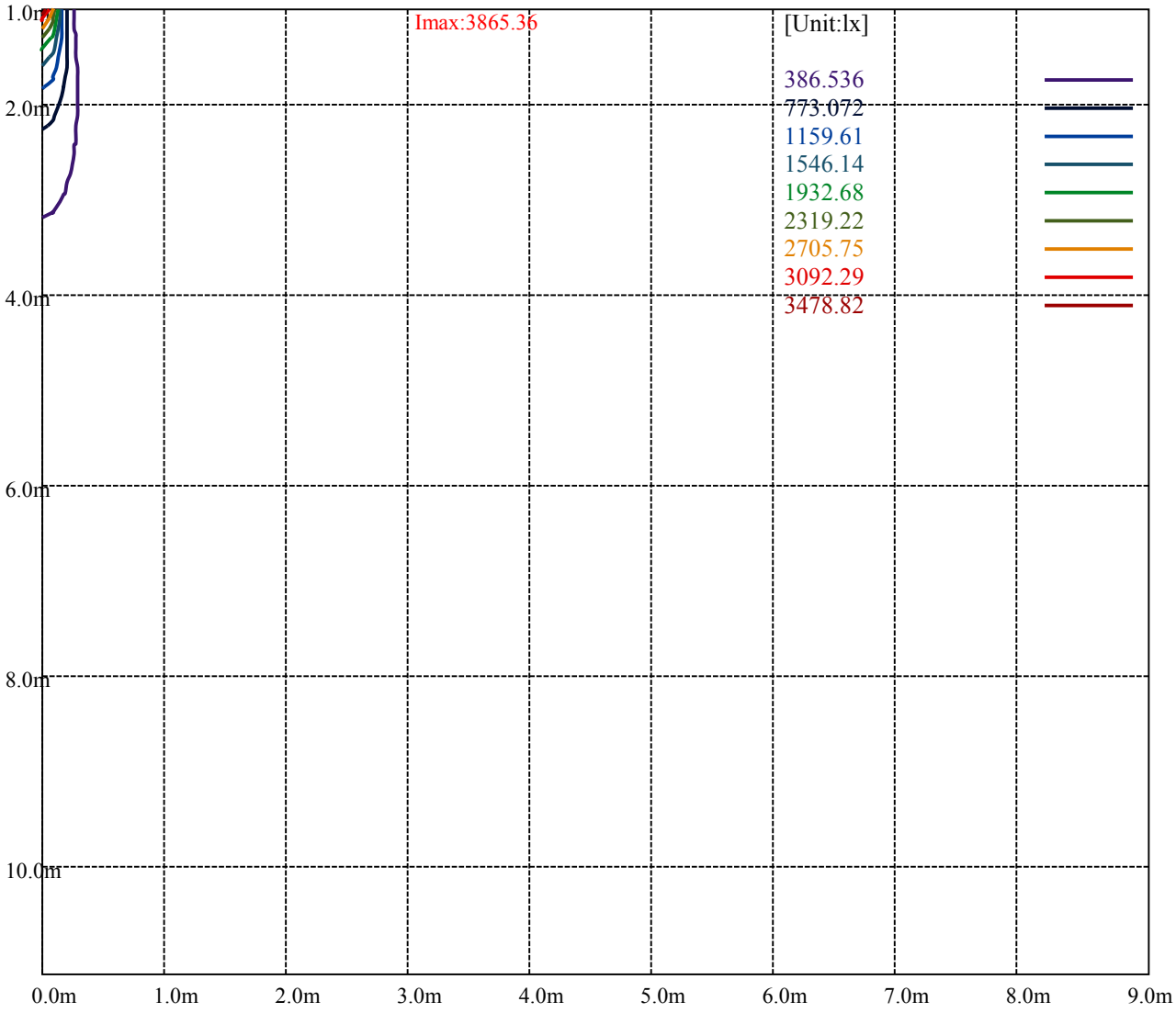
(10%Emax) 42.94833
(20%Emax) 85.89677
(30%Emax) 128.8456
(40%Emax) 171.7933
(50%Emax) 214.7422
(60%Emax) 257.69
(70%Emax) 300.6389
(80%Emax) 343.5867
(90%Emax) 386.5356

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata 1653-S

Luminance Limitting Curve(no luminous side)

Luminance Table

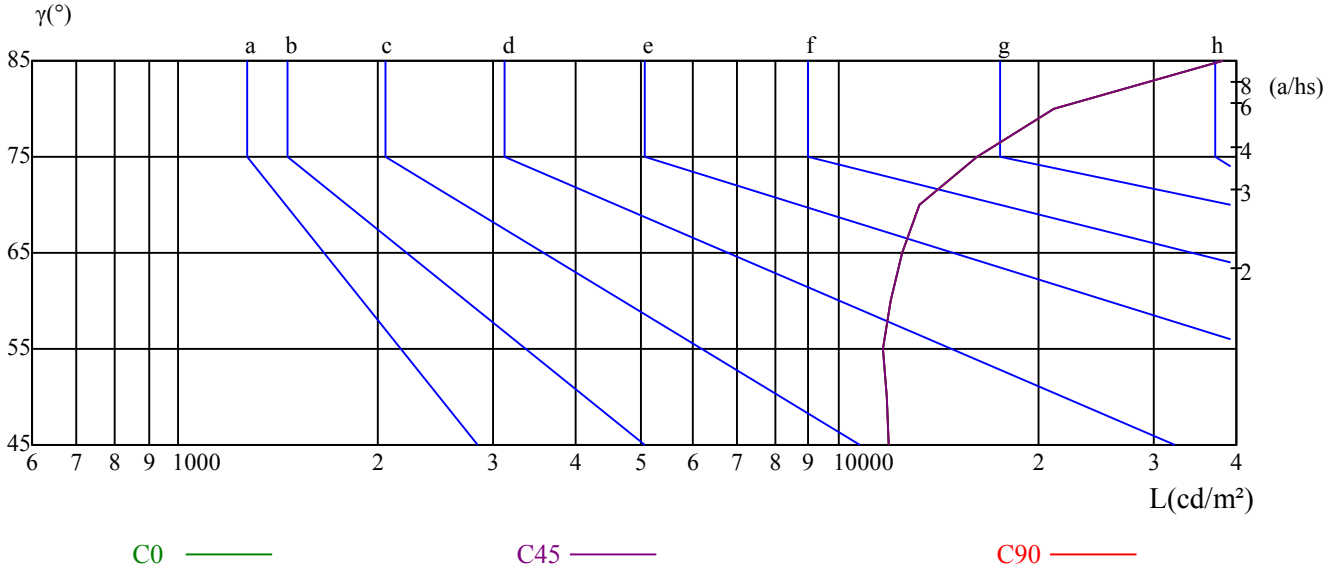
γ	45	50	55	60	65	70	75	80	85
C0	11921	11857	11661	11954	12475	13273	16205	21208	38291
C45	11921	11857	11661	11954	12475	13273	16205	21208	38291
C90	11921	11857	11661	11954	12475	13273	16205	21208	38291

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
12475	12475	12475	16205	16205	16205	38291	38291	38291

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

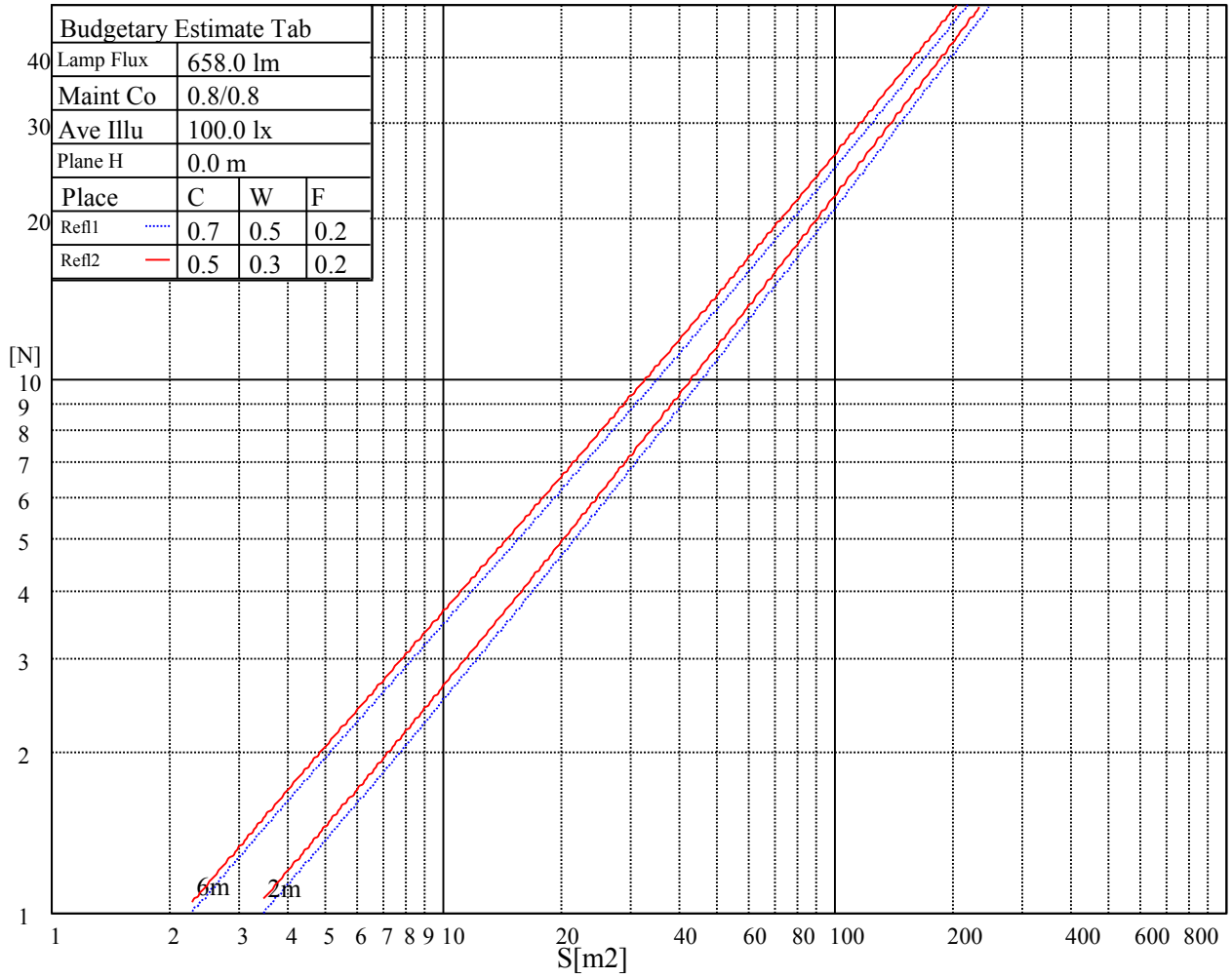


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Budgetary Estimate Table

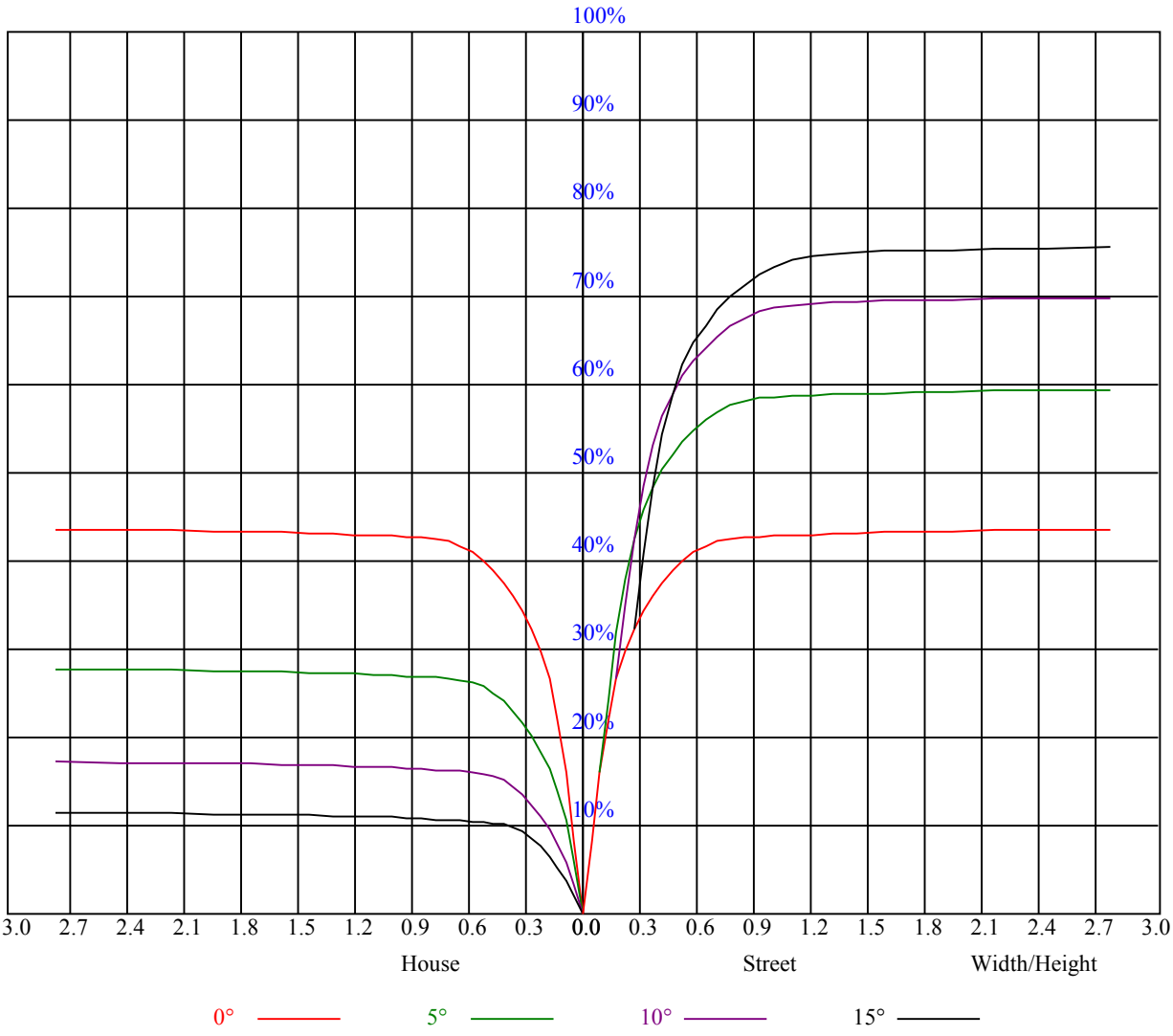


Equipment: GMS1980	Date: 2019/8/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

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	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.98	0.97	0.95	0.97	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	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	0.89	0.85	0.82	0.88	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.81	0.80	0.78	0.77
4	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.79	0.77	0.75	0.74
5	0.81	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.72	0.70	0.69
7	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.67	0.67
8	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
9	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
10	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61

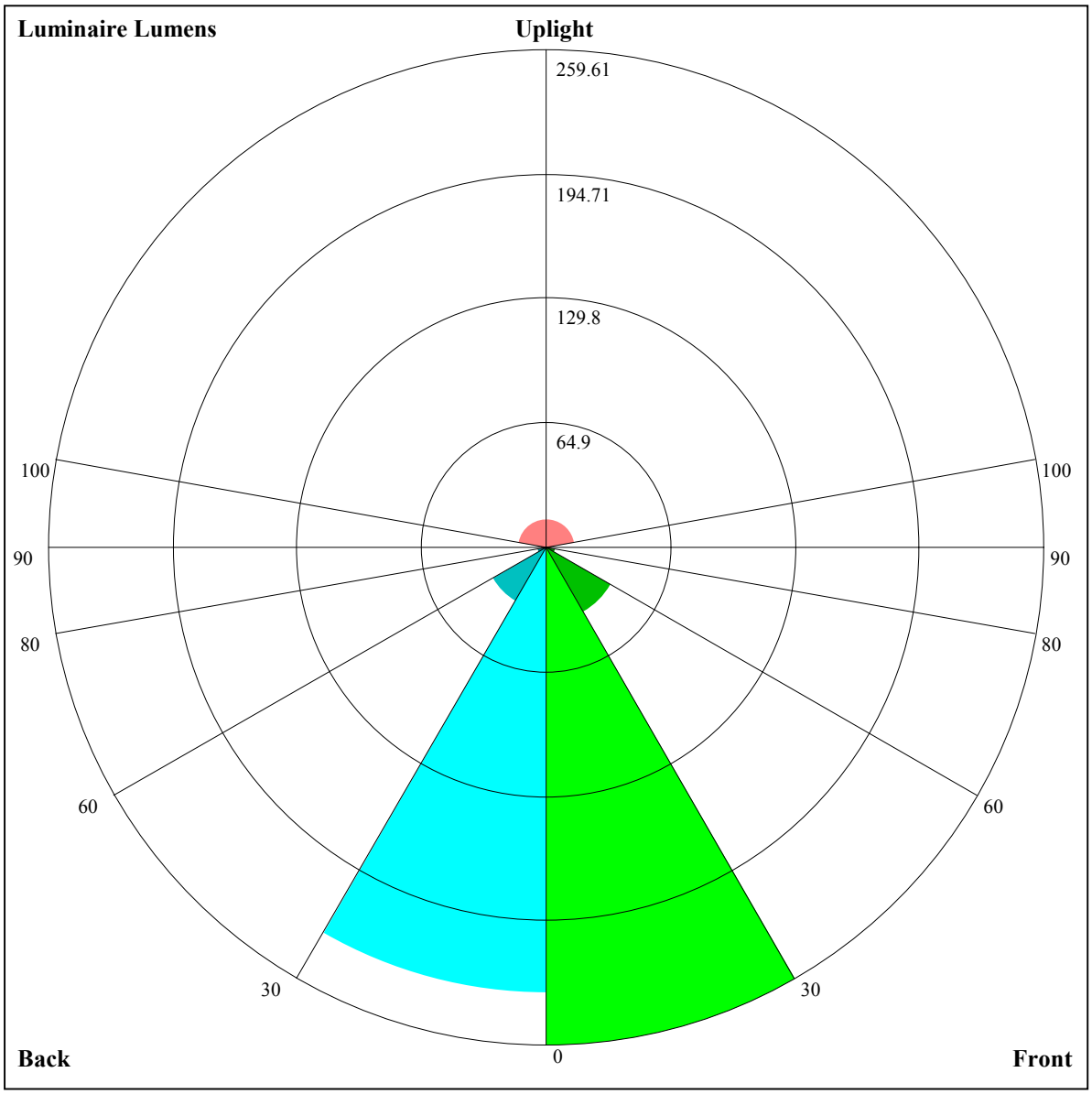
Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/8/24
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50



Luminaire Lumens:
FL=259.61,FM=39.43,FH=4.92,FVH=1.83
BL=232.98,BM=32.94,BH=4.78,BVH=1.81
UL=3.21,UH=15.26

BUG Rating:B1-U2-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	3883.50	3879.00	3790.69	3653.44	3479.63	3155.06	2874.38	2605.50	2198.81
45.0	3839.06	3892.50	3894.75	3814.88	3686.63	3503.25	3209.63	2909.25	2583.00
90.0	3876.75	3900.94	3852.56	3747.94	3580.31	3322.69	3044.81	2676.38	2286.56
135.0	3862.13	3882.94	3828.38	3717.00	3532.50	3258.00	2921.63	2587.50	2194.88
180.0	3883.50	3822.75	3679.88	3446.44	3173.06	2818.69	2422.69	2065.50	1674.00
225.0	3839.06	3702.38	3502.13	3204.00	2845.13	2491.31	2090.81	1706.63	1402.88
270.0	3876.75	3800.25	3604.50	3385.13	3089.25	2678.06	2325.94	1971.56	1603.69
315.0	3862.13	3775.50	3596.06	3355.88	3090.94	2746.69	2382.75	2044.13	1674.56
360.0	3883.50	3879.00	3790.69	3653.44	3479.63	3155.06	2874.38	2605.50	2198.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1830.94	1562.63	1243.69	1033.88	869.63	714.94	613.69	534.94	462.38
45.0	2211.75	1835.44	1557.56	1219.50	987.75	821.81	676.13	575.44	488.25
90.0	1936.69	1569.94	1105.14	1027.80	853.09	680.01	571.22	485.94	412.93
135.0	1804.50	1513.69	1154.81	929.81	763.31	614.81	520.88	447.19	381.94
180.0	1265.63	1078.37	870.36	700.03	589.89	490.16	413.33	369.79	333.56
225.0	1112.79	885.21	725.29	603.68	485.04	416.48	362.59	311.79	282.26
270.0	1283.63	1049.06	845.44	706.50	582.75	488.25	424.69	371.25	331.31
315.0	1379.81	1109.08	919.46	752.34	631.74	546.81	470.93	422.16	382.84
360.0	1830.94	1562.63	1243.69	1033.88	869.63	714.94	613.69	534.94	462.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	419.06	384.19	347.06	321.19	301.50	284.63	266.18	254.87	244.74
45.0	420.75	374.63	337.50	307.69	288.00	285.19	251.10	240.69	232.71
90.0	357.02	321.86	289.13	264.04	246.21	229.61	217.35	208.41	202.05
135.0	346.50	321.19	298.13	285.19	284.06	260.66	248.91	240.75	233.04
180.0	303.36	285.41	272.48	260.89	254.19	246.49	239.68	232.88	227.59
225.0	258.86	236.53	226.07	217.63	210.49	207.51	204.98	201.26	198.06
270.0	303.19	285.75	260.33	244.07	235.13	227.70	221.01	216.23	212.85
315.0	351.84	328.50	309.54	288.28	273.71	262.01	250.59	243.11	236.14
360.0	419.06	384.19	347.06	321.19	301.50	284.63	266.18	254.87	244.74

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	236.36	229.44	223.37	218.42	209.81	194.23	175.78	153.51	123.81
45.0	224.83	218.31	214.65	210.77	206.72	198.06	182.98	163.58	140.23
90.0	196.26	191.53	186.08	181.69	174.54	158.51	142.03	123.58	100.07
135.0	227.98	221.63	216.11	208.58	192.66	171.51	147.88	124.03	94.11
180.0	222.24	217.01	207.79	189.17	169.14	144.39	118.01	94.50	71.89
225.0	194.74	183.77	171.84	155.19	135.56	115.09	95.68	73.35	52.93
270.0	209.42	207.45	201.04	187.14	168.41	149.01	124.93	99.56	77.85
315.0	229.78	224.16	218.59	206.72	190.18	167.29	141.19	116.89	89.72
360.0	236.36	229.44	223.37	218.42	209.81	194.23	175.78	153.51	123.81

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	99.23	75.21	47.81	30.49	18.23	11.93	10.80	9.96	8.89
45.0	116.27	94.89	72.68	47.64	30.60	18.06	12.21	10.97	10.13
90.0	80.83	62.21	42.24	28.46	18.51	13.11	11.93	10.86	9.73
135.0	71.27	50.57	30.94	17.27	11.25	10.07	9.51	9.11	8.72
180.0	46.35	29.59	17.55	10.80	10.01	9.45	8.94	8.44	8.10
225.0	36.96	23.12	16.03	13.67	12.43	11.42	10.52	9.84	9.62
270.0	55.52	37.74	21.77	13.78	12.32	11.36	10.24	9.28	8.89
315.0	63.79	43.14	26.66	14.46	11.64	10.74	9.79	8.78	8.16
360.0	99.23	75.21	47.81	30.49	18.23	11.93	10.80	9.96	8.89

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	7.88	7.65	7.43	7.31	7.03	6.81	6.53	6.30	6.08
45.0	8.83	7.76	7.48	7.31	7.26	7.14	7.09	7.03	6.86
90.0	9.00	8.61	8.33	8.16	7.99	7.93	7.82	7.71	7.54
135.0	8.44	8.55	8.49	8.55	8.49	8.44	8.10	7.99	7.93
180.0	8.21	7.99	7.99	7.82	7.71	7.20	6.98	6.81	6.64
225.0	9.51	9.23	9.06	8.94	8.78	8.44	8.27	8.10	7.82
270.0	8.72	8.83	8.83	8.83	9.06	9.06	8.89	8.89	8.72
315.0	8.04	7.82	7.76	7.48	7.43	7.03	6.81	6.69	6.41
360.0	7.88	7.65	7.43	7.31	7.03	6.81	6.53	6.30	6.08

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	5.79	5.57	5.29	5.23	5.23	5.23	5.23	5.23	5.29
45.0	6.75	6.81	6.53	6.47	6.47	6.36	6.24	6.13	6.19
90.0	7.43	7.26	7.09	7.09	6.98	6.81	6.58	6.53	6.36
135.0	7.71	7.31	7.03	6.75	6.53	6.36	6.24	6.30	6.02
180.0	6.13	5.91	5.74	5.57	5.51	5.46	5.34	5.40	5.40
225.0	7.76	7.48	7.26	7.09	6.81	6.41	6.24	6.02	5.63
270.0	8.49	8.16	7.76	7.54	7.20	6.75	6.53	6.24	5.85
315.0	6.13	5.96	5.96	6.02	6.13	6.19	6.24	6.41	6.36
360.0	5.79	5.57	5.29	5.23	5.23	5.23	5.23	5.23	5.29

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.34	5.34	5.34	5.29	5.06	4.95	4.89	4.89	4.56
45.0	6.08	5.79	5.68	5.46	5.12	5.01	4.73	4.56	4.39
90.0	6.02	5.68	5.34	5.06	4.73	4.44	4.39	4.28	4.16
135.0	5.85	5.79	5.79	5.85	5.63	5.57	5.46	5.34	5.06
180.0	5.29	5.29	5.18	4.95	4.73	4.56	4.44	4.28	4.16
225.0	5.23	4.89	4.73	4.50	4.50	4.44	4.39	4.33	4.22
270.0	5.51	5.23	4.95	4.73	4.61	4.56	4.44	4.44	4.39
315.0	6.19	5.96	5.91	5.57	5.40	5.18	5.01	4.84	4.67
360.0	5.34	5.34	5.34	5.29	5.06	4.95	4.89	4.89	4.56

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.39	4.44	4.50	4.61	4.61	4.44	4.16	3.94	3.83
45.0	4.33	4.33	4.33	4.33	4.33	4.22	4.22	4.05	3.94
90.0	4.16	4.11	4.11	4.11	3.99	3.94	3.83	3.77	3.66
135.0	4.95	4.89	4.78	4.67	4.56	4.50	4.39	4.33	4.22
180.0	4.05	3.99	3.94	3.88	3.71	3.71	3.60	3.49	3.43
225.0	4.16	4.11	4.05	3.94	3.88	3.71	3.60	3.49	3.43
270.0	4.39	4.33	4.33	4.22	4.11	3.99	3.83	3.71	3.60
315.0	4.61	4.50	4.50	4.39	4.28	4.16	4.11	3.99	3.88
360.0	4.39	4.44	4.50	4.61	4.61	4.44	4.16	3.94	3.83

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.60	3.43	3.38	3.32	3.38	3.38	3.43	3.21	3.15
45.0	3.83	3.71	3.60	3.49	3.38	3.26	3.15	3.04	2.93
90.0	3.60	3.49	3.38	3.32	3.26	3.09	2.98	2.93	2.87
135.0	4.11	4.05	3.99	3.94	3.94	3.83	3.83	3.77	3.66
180.0	3.32	3.32	3.32	3.26	3.26	3.26	3.21	3.15	2.98
225.0	3.38	3.32	3.21	3.15	3.04	2.93	2.81	2.81	2.70
270.0	3.49	3.43	3.32	3.21	3.26	3.26	2.93	2.81	2.76
315.0	3.83	4.16	4.11	3.66	3.66	3.77	3.88	3.21	3.09
360.0	3.60	3.43	3.38	3.32	3.38	3.38	3.43	3.21	3.15

Intensity data(cd)

C/γ(°)	90.0
0.0	3.04
45.0	2.81
90.0	2.76
135.0	3.49
180.0	3.09
225.0	2.70
270.0	2.70
315.0	2.93
360.0	3.04