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Client:

LumCAT: 北美筒灯

Luminaire: NB71aA10FR1

Report No:

Voltage(V): 120.0700

Test No: A1720044A007

Current(A): 0.0880

LampCAT: -

Power (W): 9.6020

Lamp flux(lm)

PF: 0.9130

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 755.62

Lumens(lm)/Power(W): 78.69

Central intensity(cd): 334.102

Maximum intensity(cd): 334.514

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50% I_{max}): [C0/180]Total=96.2

[C90/270]Total=96.1

Field angle(10% I_{max}): [C0/180]Total=145.1

[C90/270]Total=145.2

Beam angle of C45 plane : 96.54

Average BeamAngle(IEC 61341):96.54

Maximum s/h(1/2): C0_180=1.18 C90_270=1.17

Maximum s/h(1/4): C0_180=1.28 C90_270=1.25

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 86.901%

Equipment: GMS1800
Temperature(°C): 24.6

Date: 2017-12-8
Humidity(%): 32.0%

Operator: LMC
Distance(m): 10.15

北美筒灯

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	334.257	0.000	0	.000%	.000%
5.0	332.196	7.967	7.967	1.054%	1.054%
10.0	326.131	23.550	31.518	3.117%	4.171%
15.0	316.369	38.113	69.63	5.044%	9.215%
20.0	302.616	51.013	120.643	6.751%	15.966%
25.0	285.256	61.657	182.3	8.160%	24.126%
30.0	264.575	69.582	251.882	9.209%	33.334%
35.0	240.673	74.401	326.283	9.846%	43.181%
40.0	214.107	75.877	402.16	10.042%	53.222%
45.0	185.750	74.037	476.196	9.798%	63.020%
50.0	155.667	68.988	545.185	9.130%	72.150%
55.0	124.374	60.890	606.075	8.058%	80.209%
60.0	94.381	50.565	656.639	6.692%	86.901%
65.0	67.634	39.386	696.026	5.212%	92.113%
70.0	43.797	28.215	724.241	3.734%	95.847%
75.0	24.017	17.726	741.967	2.346%	98.193%
80.0	10.199	9.155	751.122	1.212%	99.405%
85.0	3.168	3.632	754.754	.481%	99.885%
90.0	0.000	0.867	755.622	.115%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	251.88	33.33%
0-40	402.16	53.22%
0-60	656.64	86.90%
0-90	754.75	99.89%
0-120	754.75	99.89%
0-180	755.62	100.00%
60-90	148.68	19.68%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-54.87	604.50	80.00%

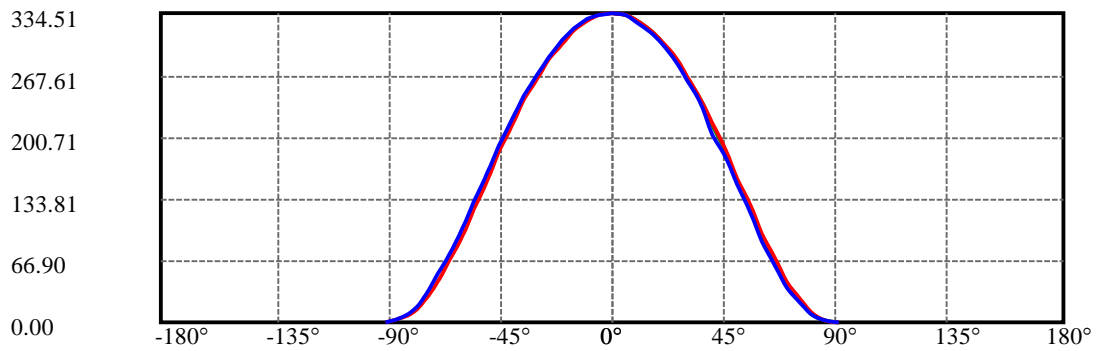
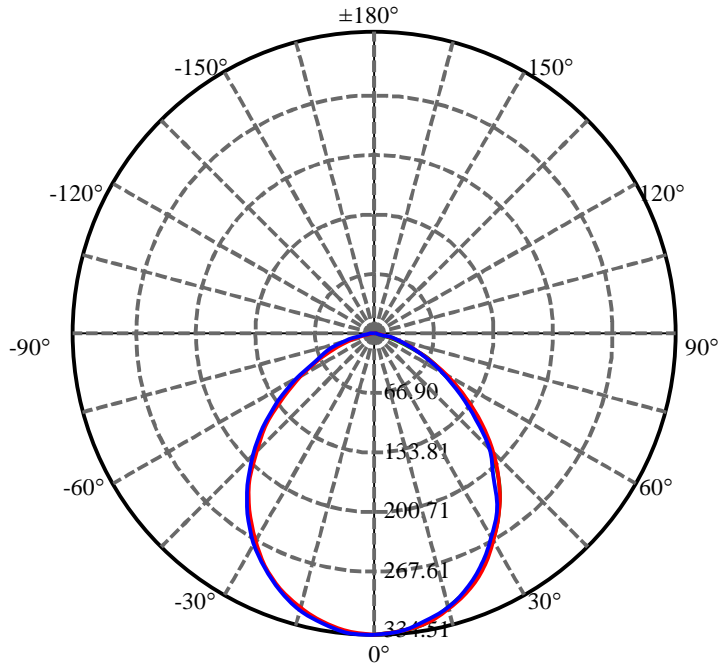
ZONAL LUMEN SUMMARY

0-10	31.52
10-20	89.13
20-30	131.24
30-40	150.28
40-50	143.02
50-60	111.45
60-70	67.60
70-80	26.88
80-90	3.63
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

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Light Distribution Curve [Unit:cd]

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C45(Max): ——

C0/C180: ——

C90/C270: ——

Field angle(10% I_{max}):C0/180Left:72.4 Right:72.7

:C90/270Left:73.9 Right:71.3

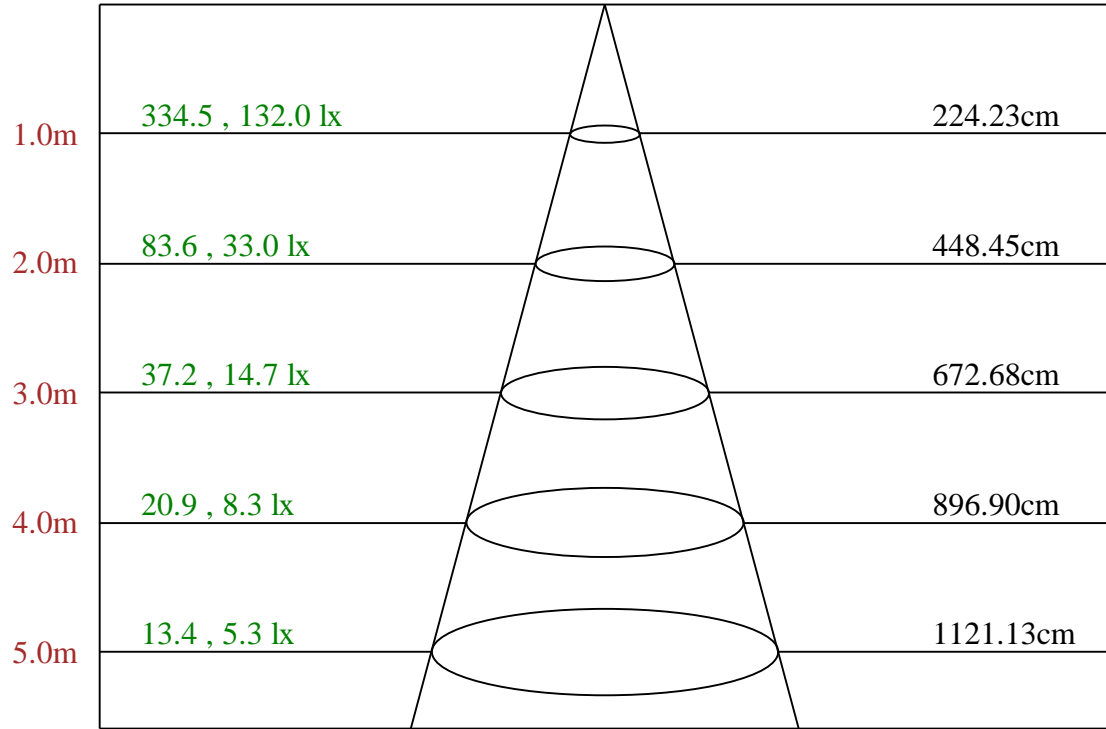
Beam Angle(50% I_{max}):C0/180Left:47.9 Right:48.3

:C90/270Left:49.1 Right:47.0

北美筒灯

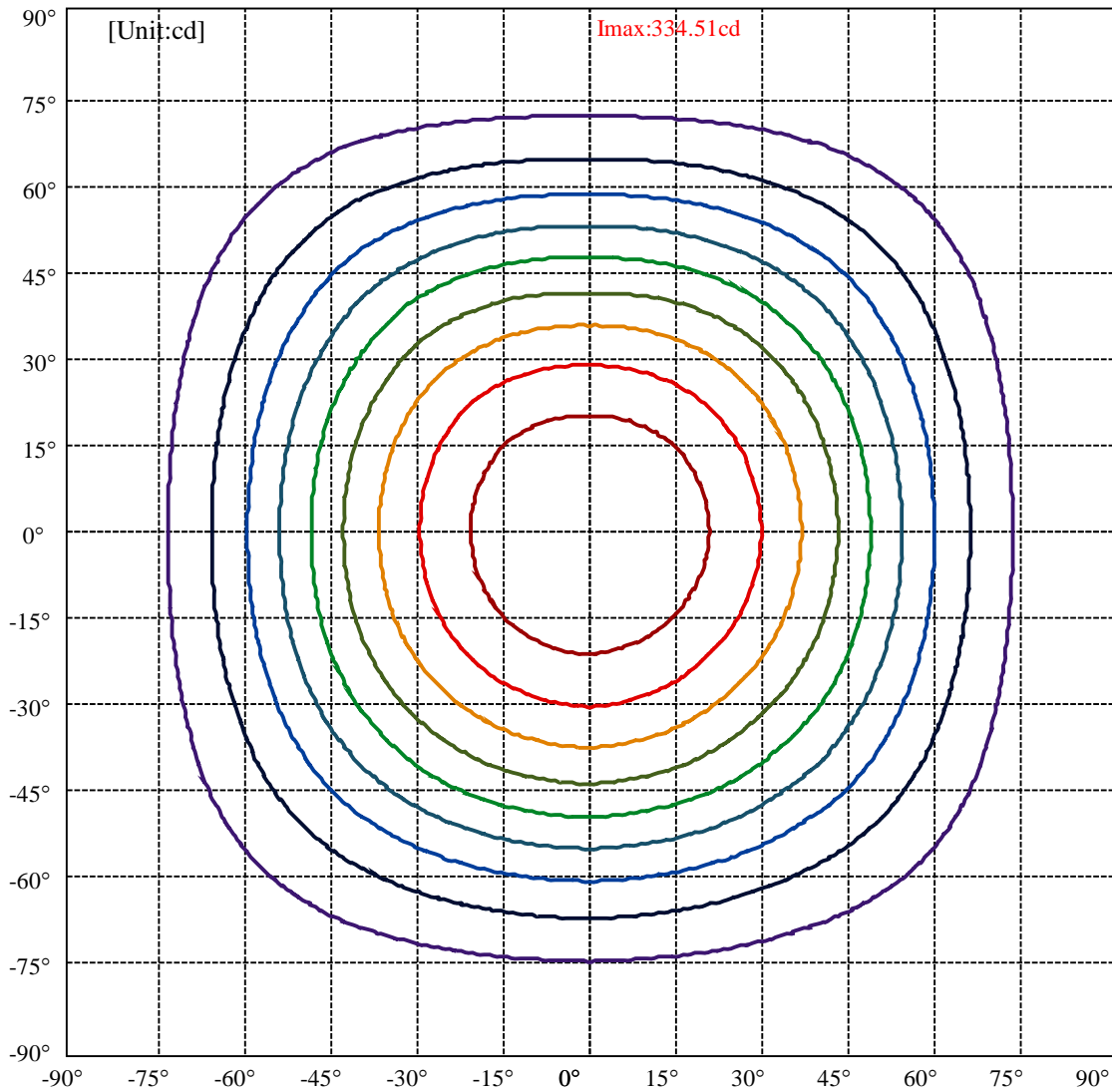
Lux distance Curve

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Max , Ave

Beam angle of C45 plane 96.54



(10% Imax) 33.4308	—
(20% Imax) 66.8616	—
(30% Imax) 100.292	—
(40% Imax) 133.723	—
(50% Imax) 167.154	—
(60% Imax) 200.585	—
(70% Imax) 234.016	—
(80% Imax) 267.446	—
(90% Imax) 300.877	—

Equipment: GMS1800
Temperature(°C): 24.6

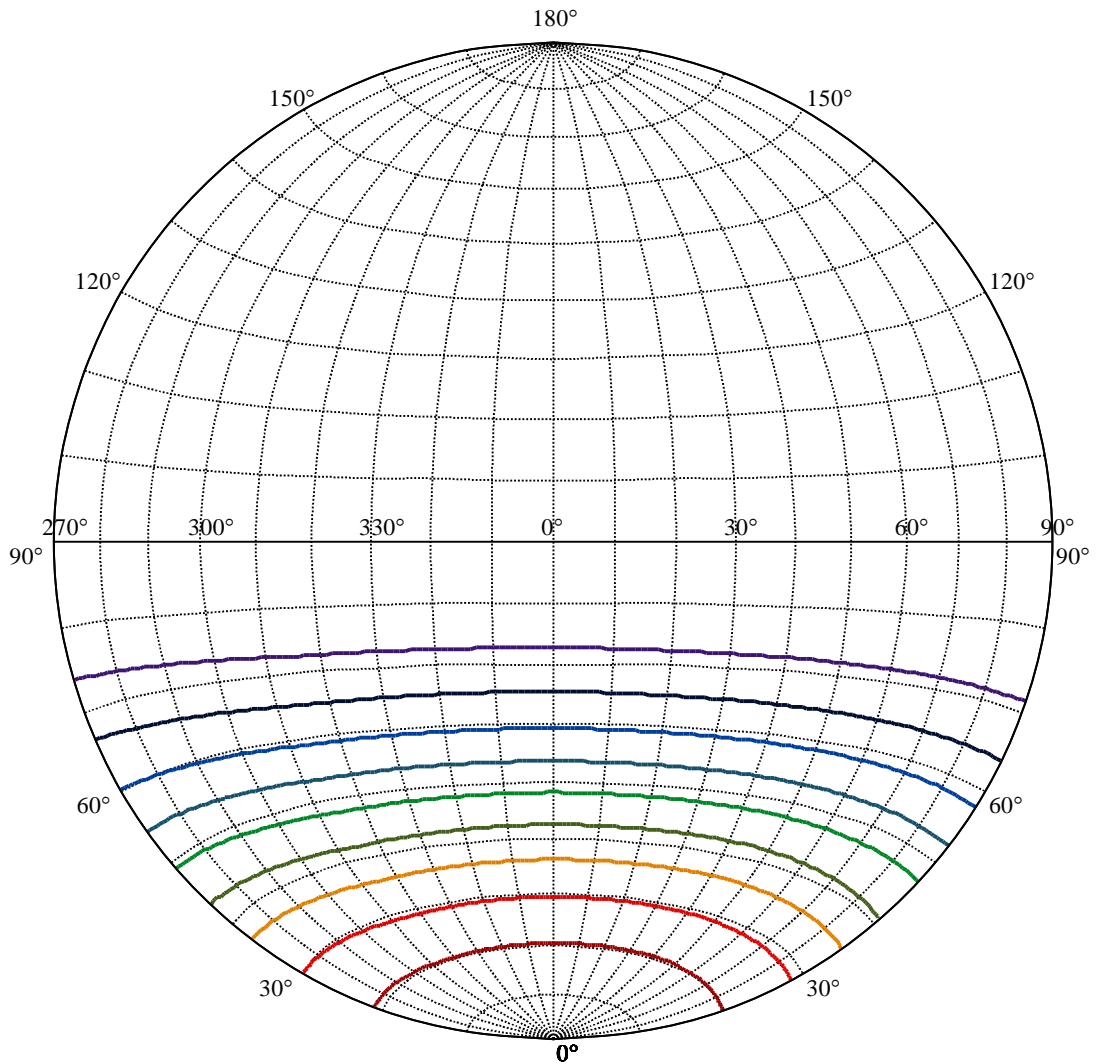
Date: 2017-12-8
Humidity(%): 32.0%

Operator: LMC
Distance(m): 10.15

北美筒灯

ISO candela diagram on circular web











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House

[Unit:cd]

Road

Imax:334.51	
(10% Imax) 33.4514	
(20% Imax) 66.9028	
(30% Imax) 100.354	
(40% Imax) 133.806	
(50% Imax) 167.257	
(60% Imax) 200.708	
(70% Imax) 234.16	
(80% Imax) 267.611	
(90% Imax) 301.063	

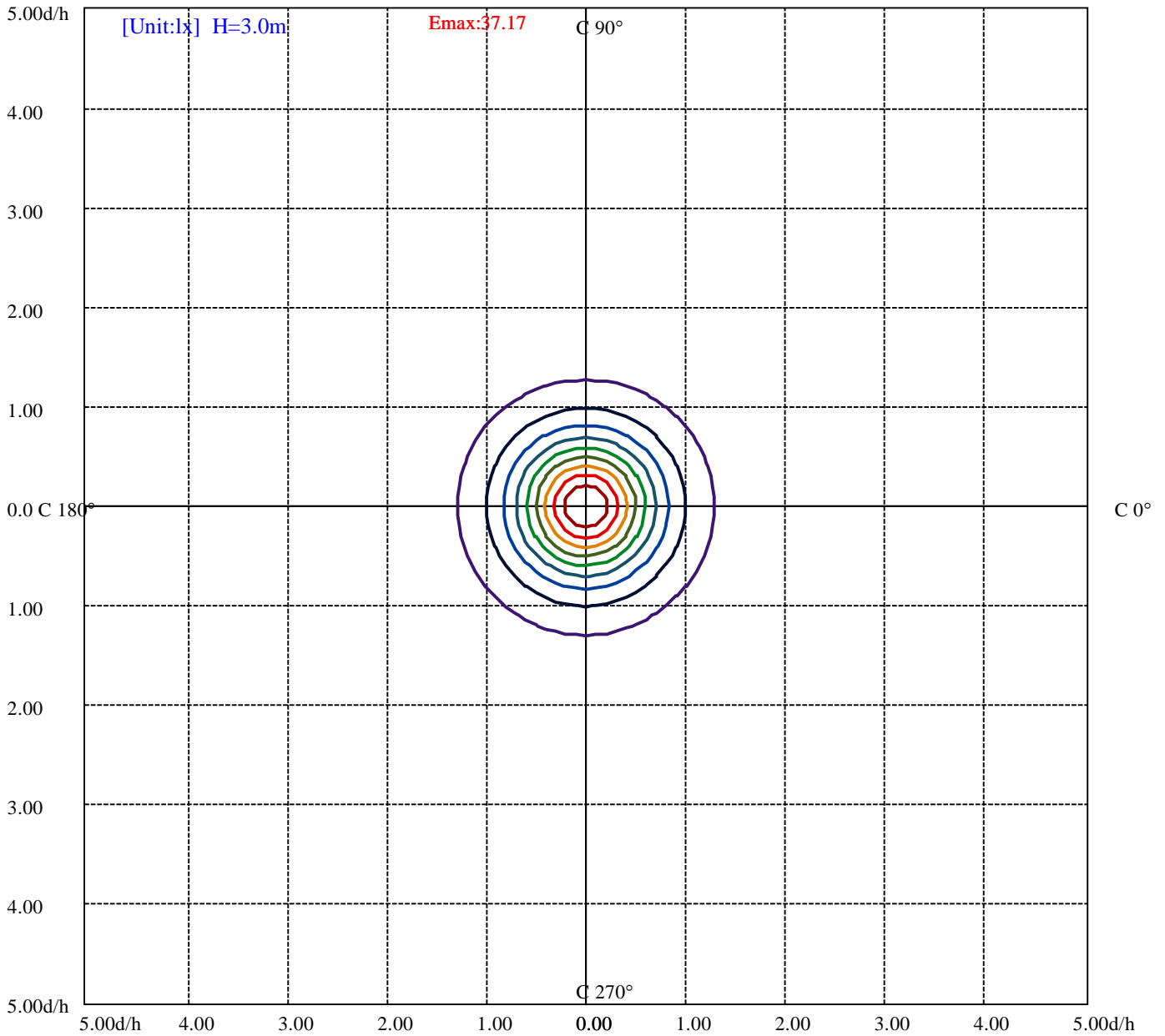
Equipment: GMS1800
Temperature(°C): 24.6

Date: 2017-12-8
Humidity(%): 32.0%

Operator: LMC
Distance(m): 10.15

北美筒灯

ISO illuminance diagram



(10%Emax) 3.716822	———
(20%Emax) 7.433645	———
(30%Emax) 11.15044	———
(40%Emax) 14.86733	———
(50%Emax) 18.58411	———
(60%Emax) 22.30089	———
(70%Emax) 26.01778	———
(80%Emax) 29.73455	———
(90%Emax) 33.45144	———

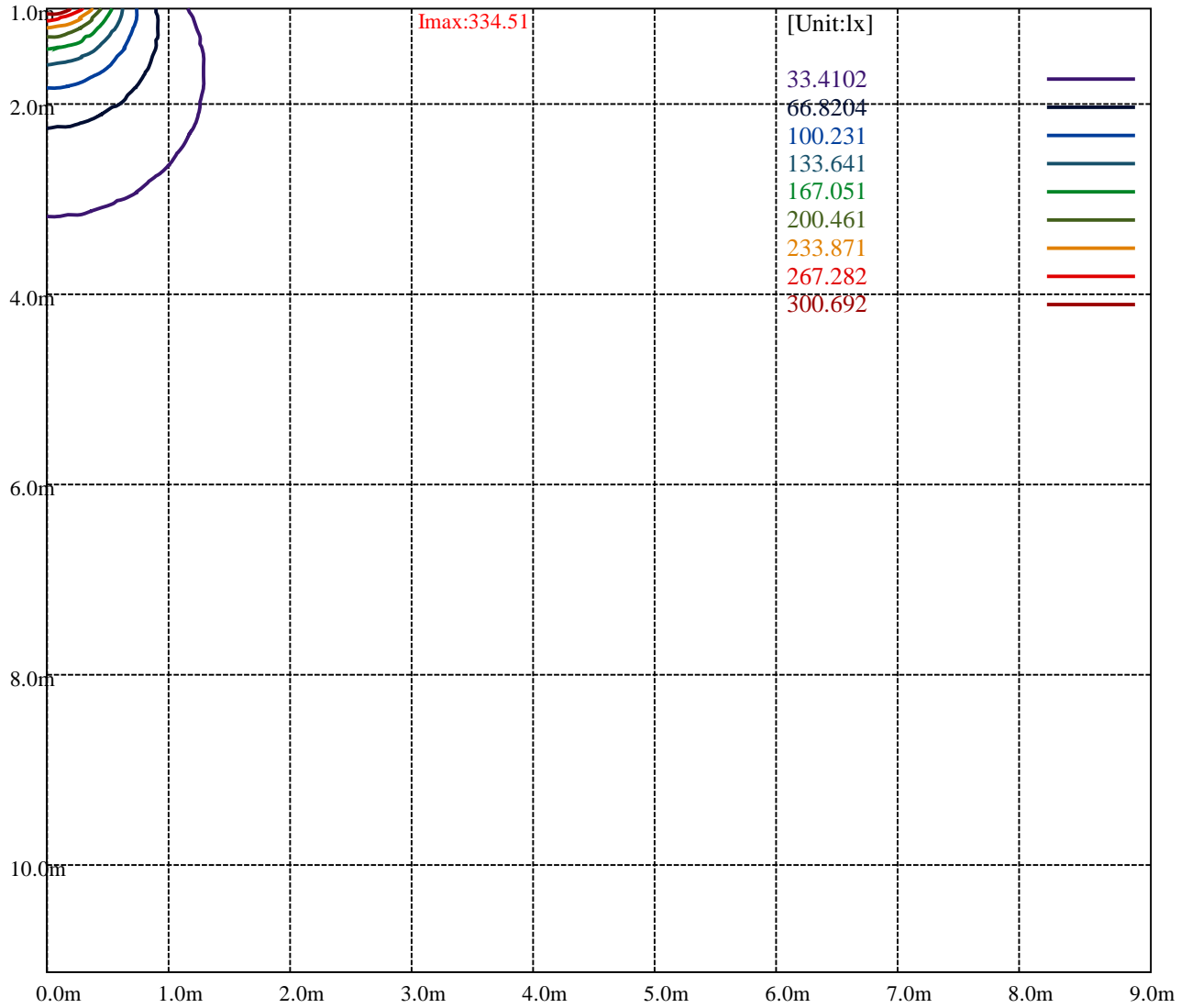
Equipment: GMS1800
Temperature(°C): 24.6

Date: 2017-12-8
Humidity(%): 32.0%

Operator: LMC
Distance(m): 10.15

北美筒灯

Space ISO Lux diagram



Equipment: GMS1800
Temperature(°C): 24.6

Date: 2017-12-8
Humidity(%): 32.0%

Operator: LMC
Distance(m): 10.15

北美筒灯

Intensity data(cd)										Appendix Page: 10 Total:10
C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	
0.0	334.10	332.25	326.38	316.69	302.89	285.99	265.59	241.28	215.63	
45.0	334.51	332.45	326.27	316.28	302.68	284.65	263.94	240.15	214.18	
90.0	334.31	331.63	325.04	314.73	300.52	282.28	261.06	236.33	204.50	
135.0	334.10	332.25	326.48	317.00	303.30	286.20	265.90	242.31	216.55	
180.0	334.10	331.84	325.55	315.76	302.27	285.06	263.74	240.15	214.39	
225.0	334.51	332.56	326.58	316.90	302.99	286.09	264.97	241.48	215.94	
270.0	334.31	332.76	327.30	318.03	304.43	287.74	267.96	244.78	219.75	
315.0	334.10	331.84	325.45	315.56	301.86	284.03	263.43	238.91	211.92	
360.0	334.10	332.25	326.38	316.69	302.89	285.99	265.59	241.28	215.63	
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	
0.0	187.71	156.59	125.79	96.12	69.03	43.89	24.52	10.51	3.09	
45.0	184.51	154.12	123.01	92.21	65.63	41.72	22.15	9.07	2.47	
90.0	179.67	148.76	117.55	87.16	61.09	38.02	19.88	7.83	2.16	
135.0	187.19	157.01	124.66	94.78	67.89	42.96	23.80	9.99	2.88	
180.0	184.20	154.43	122.60	93.13	66.55	42.65	23.59	9.89	3.19	
225.0	187.19	157.62	126.31	96.74	69.95	45.64	25.96	11.13	3.91	
270.0	191.31	162.05	130.63	100.86	73.56	52.13	28.02	12.88	4.22	
315.0	184.20	154.74	124.45	94.06	67.38	43.37	24.21	10.30	3.40	
360.0	187.71	156.59	125.79	96.12	69.03	43.89	24.52	10.51	3.09	
C/γ(°)	90.0									
0.0	0.00									
45.0	0.00									
90.0	0.00									
135.0	0.00									
180.0	0.00									
225.0	0.00									
270.0	0.00									
315.0	0.00									
360.0	0.00									