

---

LED Downlight M Series LE-  
M2-9W-840-40D

---

Light Output Ratio:	100.0%	
Luminaire Power:	11.92 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

---

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2014-06-23

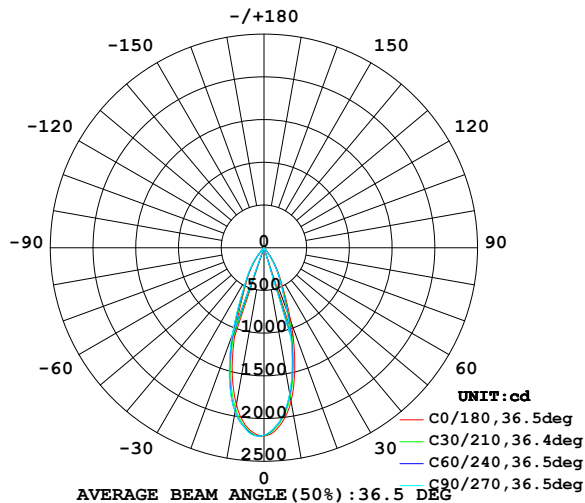
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.780m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

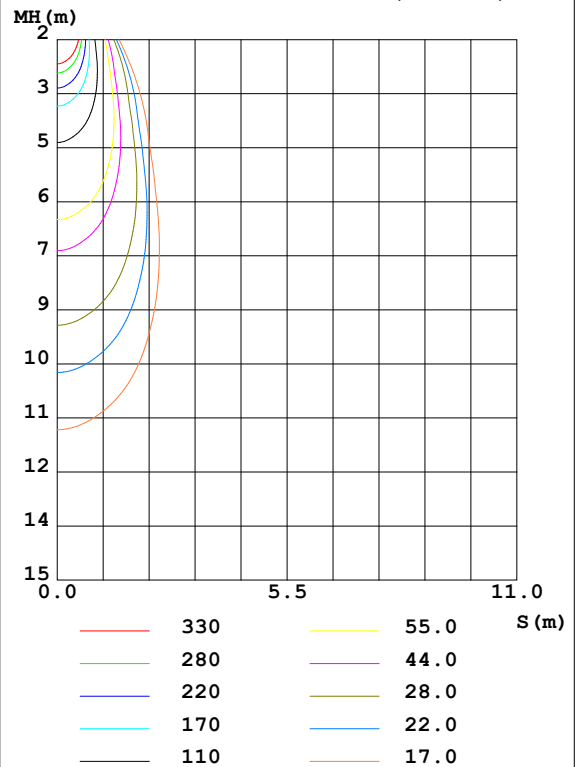
Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\varnothing$ 50mm*H72mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.85 lm/W			
MODEL	BRIDGELUX-4000K	I <sub>max</sub> (cd)	2205	S/MH (C0/180)	0.59
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.63
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	976.03	$\eta$ UP, DN (C0-180)	0.0, 46.1
NOMINAL FLUX (lm)	976.027	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 53.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



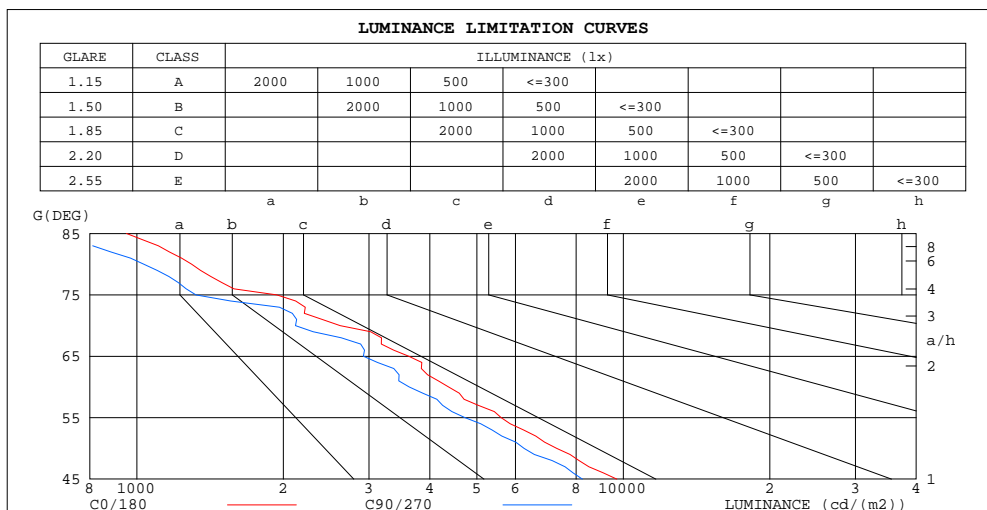
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Cao Chengpei  
 Test Date:2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1825	1763	1733	1769	1865	1930	1950	1903	0- 10	192.5	192.5	19.7,19.7
20	922.5	838.5	788.1	825.8	938.8	1031	1090	1038	10- 20	385.0	577.5	59.2,59.2
30	329.7	301.2	299.6	323.3	362.7	381.5	395.4	370.8	20- 30	260.9	838.4	85.9,85.9
40	50.91	29.79	27.27	39.65	56.98	72.33	88.93	67.72	30- 40	114.0	952.4	97.6,97.6
50	9.208	8.247	7.887	8.237	8.671	9.396	10.24	9.970	40- 50	13.92	966.4	99,99
60	4.292	3.970	3.562	3.864	4.039	4.358	4.675	4.611	50- 60	5.584	971.9	99.6,99.6
70	1.757	1.496	1.422	1.460	1.729	1.981	2.197	2.092	60- 70	2.881	974.8	99.9,99.9
80	0.4416	0.3863	0.3521	0.3219	0.4007	0.5059	0.5295	0.5100	70- 80	1.030	975.8	100,100
90	0.0062	0.0042	0.0042	0.0021	0	0	0	0	80- 90	0.1809	976.0	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



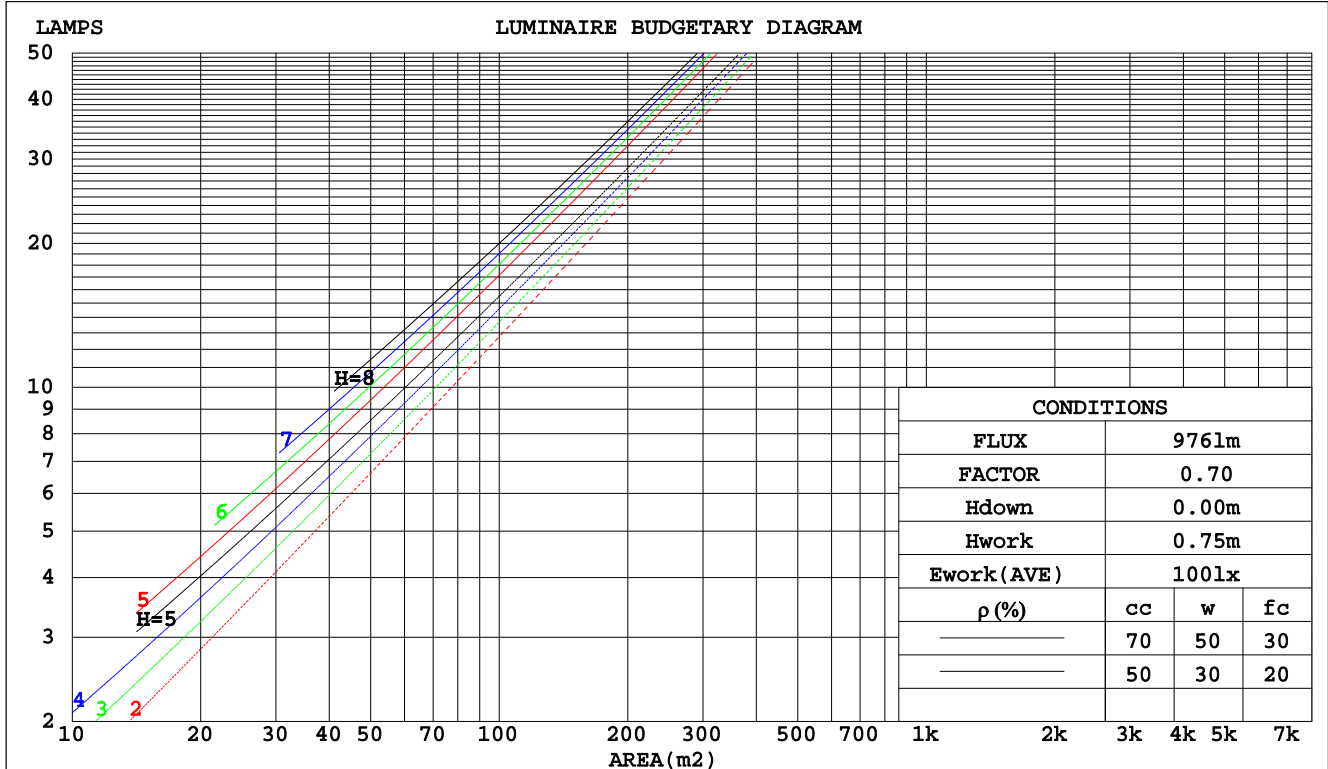
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.780m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi 50\text{mm} \times H72\text{mm}$	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.77
6.0	.86	.80	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.71
8.0	.78	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.67
9.0	.75	.70	.66	.74	.70	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.65
10.0	.72	.67	.64	.71	.67	.64	.71	.66	.63	.70	.66	.63	.69	.66	.63	.62



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Cao Chengpei  
 Test Date: 2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 53.0%  
 Test Distance: 5.780m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ50mm*H72mm	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.157	.089	.028	.151	.086	.027	.138	.079	.025	.127	.073	.023	.116	.067	.022		
2.0	.148	.081	.025	.143	.079	.024	.132	.074	.023	.123	.069	.022	.114	.064	.020		
3.0	.140	.075	.022	.135	.073	.022	.127	.069	.021	.119	.065	.020	.111	.061	.019		
4.0	.133	.069	.020	.129	.067	.020	.121	.064	.019	.114	.061	.019	.108	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.053	.015	.098	.051	.015		
8.0	.110	.054	.015	.107	.053	.015	.103	.051	.015	.099	.050	.014	.095	.049	.014		
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.092	.047	.014		
10.0	.101	.048	.013	.099	.048	.013	.096	.047	.013	.092	.046	.013	.089	.045	.013		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.111	.077	.053	.095	.067	.046	.066	.047	.032	.038	.027	.019	.012	.009	.006	
7.0	.104	.069	.045	.089	.060	.039	.062	.042	.028	.036	.025	.016	.012	.008	.005	
8.0	.098	.063	.038	.084	.054	.033	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.092	.057	.033	.080	.050	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.088	.053	.029	.076	.046	.025	.052	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Cao Chengpei  
 Test Date:2014-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm										
NAME: M2-9W-840-40D					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: $\phi$ 50mm*H72mm					
MFR.: NEKO LIGHTING AG										
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.8	17.6	17.0	17.8	17.9	16.0	16.8	16.2	16.9	17.1
3H	16.7	17.4	16.9	17.6	17.8	15.8	16.6	16.1	16.8	17.0
4H	16.6	17.3	16.9	17.5	17.8	15.8	16.5	16.0	16.7	16.9
6H	16.6	17.2	16.8	17.4	17.7	15.7	16.3	16.0	16.6	16.8
8H	16.5	17.1	16.8	17.4	17.7	15.6	16.3	15.9	16.5	16.8
12H	16.5	17.1	16.8	17.3	17.6	15.6	16.2	15.9	16.5	16.7
4H 2H	16.6	17.3	16.9	17.5	17.7	15.7	16.4	16.0	16.7	16.9
3H	16.5	17.1	16.8	17.4	17.6	15.6	16.2	16.0	16.5	16.8
4H	16.4	17.0	16.8	17.3	17.6	15.6	16.1	15.9	16.4	16.7
6H	16.3	16.8	16.7	17.1	17.5	15.5	16.0	15.8	16.3	16.6
8H	16.3	16.7	16.7	17.1	17.4	15.4	15.9	15.8	16.2	16.6
12H	16.2	16.6	16.6	17.0	17.4	15.4	15.8	15.8	16.2	16.6
8H 4H	16.3	16.7	16.7	17.1	17.4	15.4	15.9	15.8	16.2	16.6
6H	16.2	16.6	16.6	17.0	17.4	15.3	15.7	15.8	16.1	16.5
8H	16.1	16.5	16.6	16.9	17.3	15.3	15.6	15.7	16.0	16.5
12H	16.1	16.4	16.5	16.8	17.3	15.2	15.5	15.7	16.0	16.4
12H 4H	16.2	16.6	16.6	17.0	17.4	15.4	15.8	15.8	16.2	16.5
6H	16.1	16.5	16.6	16.9	17.3	15.3	15.6	15.7	16.0	16.5
8H	16.1	16.4	16.5	16.8	17.3	15.2	15.5	15.7	16.0	16.4
Variations with the observer position at spacings:										
S = 1.0H	+ 4.5 / - 7.1					+ 4.4 / - 6.3				
1.5H	+ 7.1 / - 6.1					+ 6.7 / - 4.9				
2.0H	+ 2.3 / - 1.6					+ 2.2 / - 2.0				

CIE Pub.117 Corrected 976.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Cao Chengpei  
Test Date:2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.780m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 50mm*H72mm	
MFR.: NEKO LIGHTING AG		

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	93	100	95	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Cao Chengpei  
 Test Date:2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

# ISOCANDELA DIAGRAM

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 50mm*H72mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

961.96 lm

%lum = 98.6%

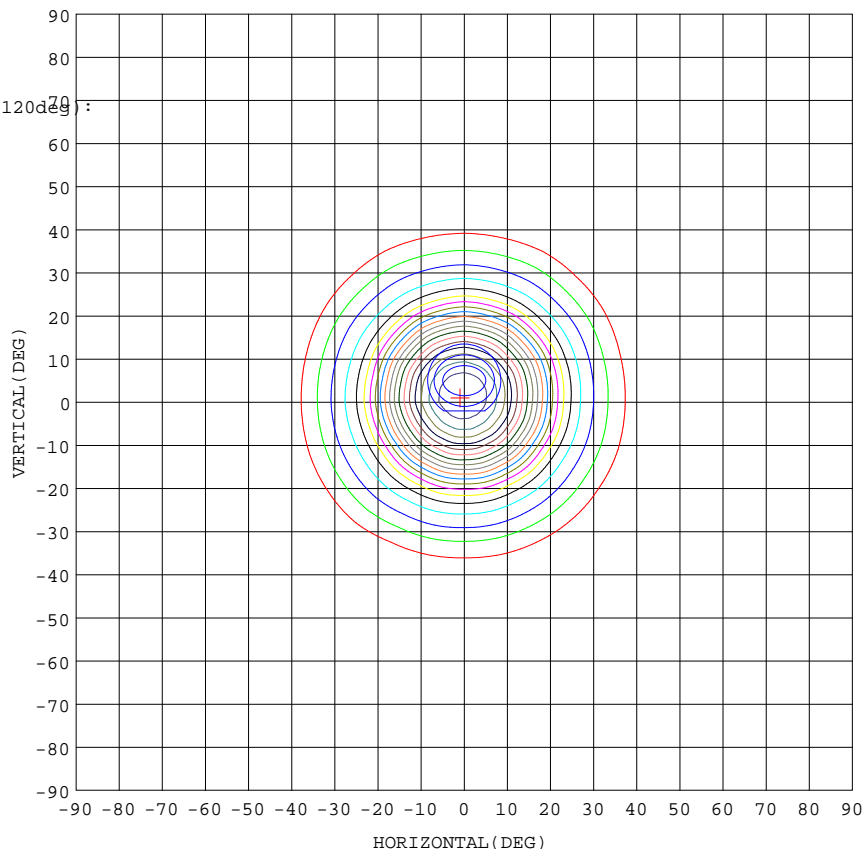
%lamp = 98.6%

Conical surface Flux(120deg):

971.94 lm

%lum = 99.6%

%lamp = 99.6%



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Cao Chengpei  
Test Date:2014-06-23

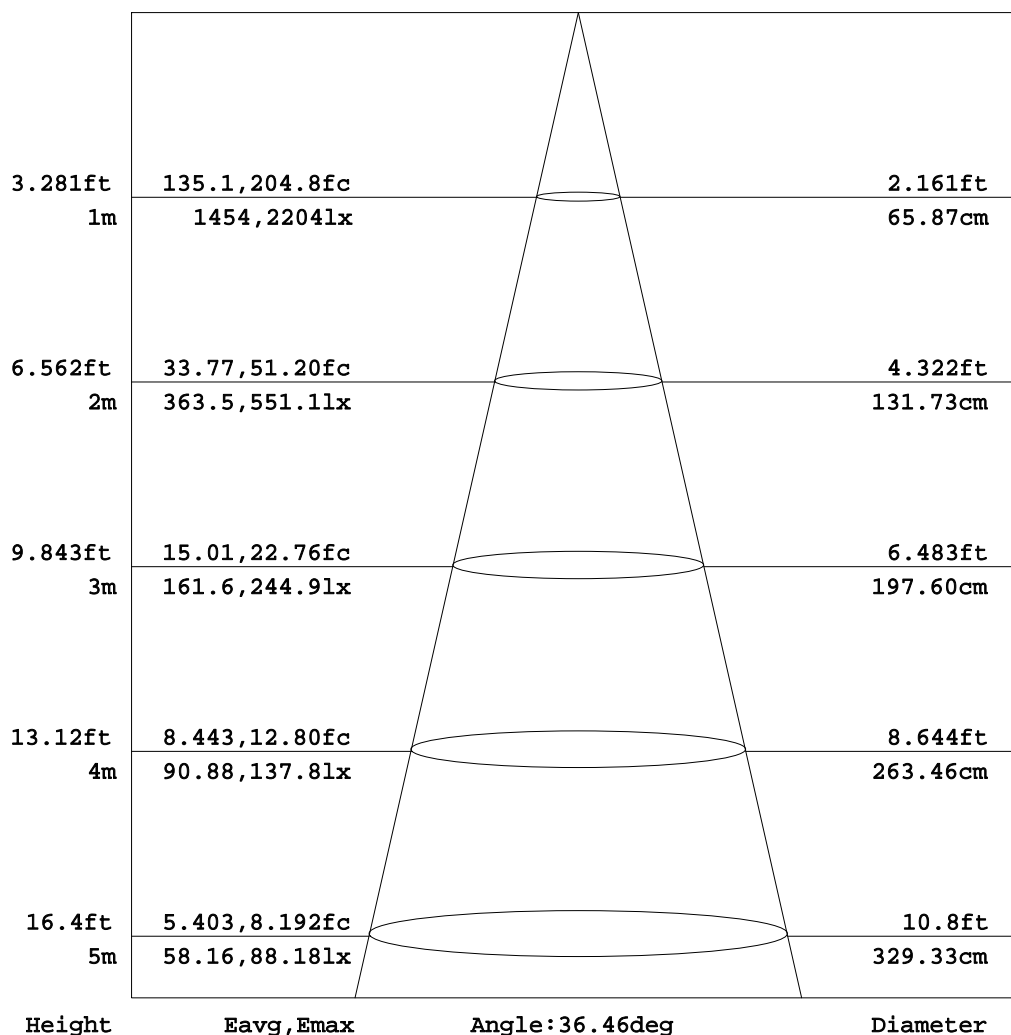
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.780m [K=1.0000]  
Remarks:



AAI Figure

Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 50mm*H72mm	
MFR.: NEKO LIGHTING AG		

Flux out:541.6 lm



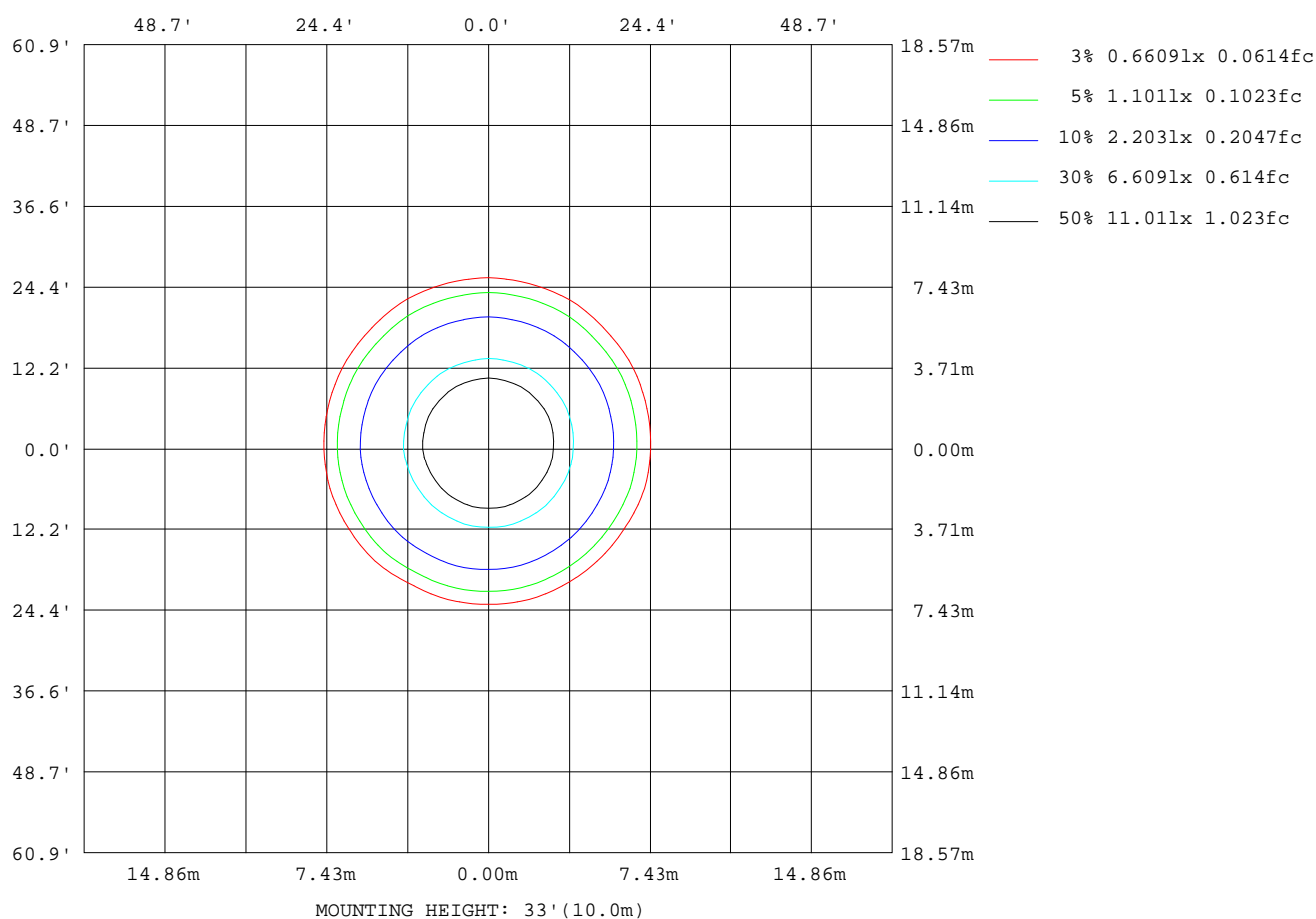
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Cao Chengpei  
Test Date:2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.780m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

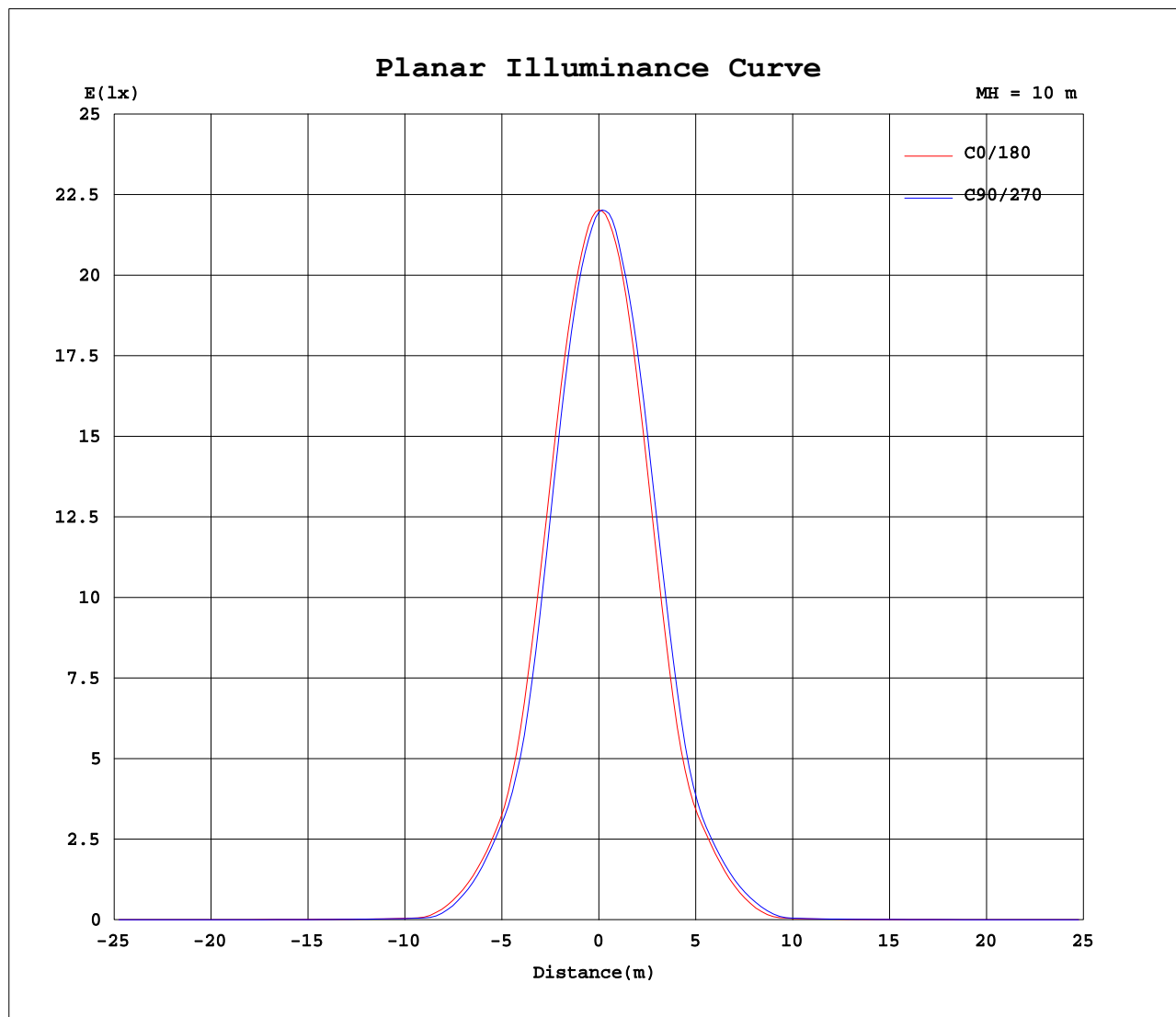
Test:U:220.2V I:0.0569A P:11.92W PF:0.9515 Lamp Flux:976.027x1 lm		
NAME: M2-9W-840-40D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 50mm*H72mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Cao Chengpei  
Test Date:2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.780m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2014-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.780m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
Test Distance:5.780m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
Test Distance:5.780m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	2203	2202	2200	2200	2197	2197	2196	2197	2194	2195
3.0	2161	2153	2139	2134	2124	2124	2120	2126	2128	2135
6.0	2052	2040	2020	2014	2003	2006	2000	2009	2011	2025
9.0	1893	1876	1848	1837	1815	1817	1810	1822	1822	1844
12.0	1669	1645	1609	1596	1571	1571	1561	1576	1577	1601
15.0	1396	1373	1332	1320	1285	1286	1270	1287	1288	1318
18.0	1110	1086	1040	1027	991.8	988.8	970.1	986.3	987.4	1017
21.0	829.3	807.6	762.9	750.6	717.7	717.4	704.5	716.2	715.6	740.3
24.0	597.9	576.5	549.9	539.7	525.1	526.6	521.9	529.9	530.0	545.3
27.0	438.6	428.1	413.5	408.6	402.2	405.3	403.9	410.1	411.0	423.0
30.0	329.7	320.9	306.6	301.2	297.5	299.6	299.6	304.5	304.9	323.3
33.0	230.6	223.2	207.9	200.8	196.3	196.9	197.1	200.9	203.0	223.6
36.0	144.1	138.8	122.2	116.1	113.1	115.5	112.9	116.4	115.5	135.7
39.0	69.89	65.33	52.77	45.52	43.80	44.38	42.95	46.42	46.53	59.09
42.0	20.66	19.00	16.75	15.75	15.01	15.39	15.34	15.86	16.44	17.49
45.0	13.45	13.11	12.51	12.09	11.56	11.74	11.44	11.50	11.86	12.25
48.0	10.65	10.47	9.975	9.645	9.340	9.467	9.373	9.207	9.326	9.763
51.0	8.510	8.083	7.929	7.707	7.521	7.491	7.422	7.401	7.558	7.770
54.0	6.753	6.498	6.401	6.226	6.092	6.072	5.874	5.903	5.920	6.098
57.0	5.382	5.279	5.113	4.891	4.667	4.571	4.543	4.544	4.580	4.725
60.0	4.292	4.147	4.211	3.970	3.835	3.676	3.562	3.669	3.702	3.864
63.0	3.426	3.410	3.295	3.213	3.134	3.084	3.005	2.942	2.974	3.069
66.0	2.690	2.619	2.517	2.461	2.421	2.324	2.345	2.334	2.295	2.295
69.0	2.126	2.012	1.886	1.792	1.713	1.680	1.619	1.648	1.652	1.738
72.0	1.340	1.272	1.286	1.255	1.249	1.238	1.266	1.207	1.133	1.099
75.0	0.9856	0.9321	0.8575	0.7830	0.7038	0.6794	0.6717	0.6483	0.6655	0.6772
78.0	0.5790	0.5360	0.5394	0.5090	0.4936	0.4695	0.4748	0.4466	0.4603	0.4425
81.0	0.3791	0.3426	0.3583	0.3301	0.3229	0.2906	0.2979	0.2678	0.2834	0.2657
84.0	0.2107	0.1784	0.2023	0.1722	0.1711	0.1326	0.1441	0.1201	0.1357	0.1118
87.0	0.0445	0.0145	0.0381	0.0062	0.0170	0.0042	0.0127	0.0021	0.0127	0.0021
90.0	0.0062	0.0062	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0021	0.0021
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2195	2196	2203	2202	2200	2200	2197	2197	2196	2197
3.0	2142	2154	2174	2182	2191	2195	2198	2199	2201	2196
6.0	2036	2059	2089	2095	2111	2117	2123	2123	2128	2120
9.0	1858	1889	1932	1948	1976	1988	2005	2003	2003	1988
12.0	1618	1660	1711	1732	1773	1790	1815	1813	1820	1803
15.0	1336	1382	1442	1464	1509	1527	1558	1557	1570	1550
18.0	1032	1079	1138	1163	1215	1234	1272	1271	1289	1266
21.0	750.7	789.7	843.9	863.8	912.0	931.5	971.3	971.2	992.4	974.9
24.0	552.8	575.1	608.6	620.1	652.5	664.5	692.4	691.1	711.1	699.8
27.0	429.1	442.2	461.5	467.0	480.3	488.2	504.1	506.3	515.6	509.8
30.0	331.9	346.7	362.7	368.8	379.5	381.5	391.2	391.5	395.4	388.6
33.0	231.7	245.5	256.6	265.0	276.0	277.8	290.6	288.7	292.3	286.3
36.0	141.2	153.9	159.7	167.9	176.2	181.2	192.4	191.5	195.9	190.8
39.0	64.81	73.29	78.76	86.41	93.57	97.50	110.7	111.7	114.9	109.2
42.0	17.99	20.52	23.63	26.65	31.50	33.05	41.23	41.75	44.31	41.07
45.0	11.79	12.34	12.81	12.86	13.76	14.28	14.87	15.38	15.24	14.87
48.0	9.717	10.12	10.54	10.35	10.85	10.95	10.87	11.54	11.47	11.34
51.0	7.671	7.796	8.092	7.890	8.285	8.450	8.785	9.147	9.337	9.066
54.0	6.058	6.299	6.366	6.318	6.700	6.863	7.115	7.393	7.495	7.352
57.0	4.670	4.856	5.078	5.246	5.445	5.606	5.822	5.921	6.075	6.013
60.0	3.801	3.902	4.039	4.051	4.217	4.358	4.515	4.596	4.675	4.717
63.0	3.033	3.169	3.228	3.283	3.285	3.335	3.578	3.628	3.828	3.770
66.0	2.309	2.421	2.599	2.615	2.705	2.797	3.019	2.990	3.168	3.127
69.0	1.760	1.807	2.026	2.118	2.136	2.114	2.259	2.249	2.354	2.383
72.0	1.191	1.238	1.295	1.337	1.414	1.491	1.597	1.589	1.673	1.658
75.0	0.7155	0.7993	0.9706	1.032	1.084	1.124	1.186	1.192	1.184	1.207
78.0	0.4748	0.4799	0.5399	0.5871	0.6002	0.6496	0.6812	0.6895	0.6792	0.6960
81.0	0.2980	0.2990	0.3383	0.3811	0.3923	0.4414	0.4568	0.4767	0.4609	0.4768
84.0	0.1440	0.1430	0.1658	0.2106	0.2156	0.2605	0.2696	0.2896	0.2717	0.2834
87.0	0.0149	0.0021	0	0.0505	0.0556	0.0921	0.0928	0.1170	0.0948	0.1087
90.0	0.0042	0.0021	0	0	0	0	0	0	0	0
G/C	300.0	315.0	330.0	345.0						
0.0	2194	2195	2195	2196						
3.0	2192	2184	2179	2167						
6.0	2116	2099	2087	2066						
9.0	1982	1961	1948	1921						
12.0	1794	1765	1748	1708						
15.0	1544	1509	1489	1442						
18.0	1265	1229	1211	1163						
21.0	977.6	945.3	926.5	876.7						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Cao Chengpei  
 Test Date: 2014-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 53.0%  
 Test Distance: 5.780m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

24.0	703.4	677.0	663.7	626.8
27.0	506.7	491.2	480.5	457.9
30.0	385.3	370.8	362.4	344.5
33.0	281.5	266.6	258.8	243.0
36.0	187.2	171.5	165.3	152.5
39.0	106.5	91.10	85.52	75.36
42.0	39.82	30.59	28.15	23.23
45.0	14.89	14.44	14.03	14.16
48.0	11.48	11.19	10.98	11.03
51.0	9.214	9.094	8.959	8.674
54.0	7.468	7.296	7.403	7.158
57.0	6.065	6.009	5.970	5.764
60.0	4.695	4.611	4.708	4.619
63.0	3.743	3.693	3.619	3.610
66.0	3.122	3.009	3.006	2.850
69.0	2.381	2.293	2.328	2.249
72.0	1.624	1.508	1.473	1.383
75.0	1.188	1.153	1.103	1.024
78.0	0.6792	0.6538	0.6085	0.5954
81.0	0.4505	0.4476	0.4048	0.4122
84.0	0.2530	0.2729	0.2344	0.2563
87.0	0.0824	0.1314	0.0824	0.0818
90.0	0	0	0	0

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2014-06-23

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.780m [K=1.0000]  
Remarks: