

LED Tracklight FOCUS M-42W-940-25D



Light Output Ratio:	100.0%	
Luminaire Power:	41.51 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

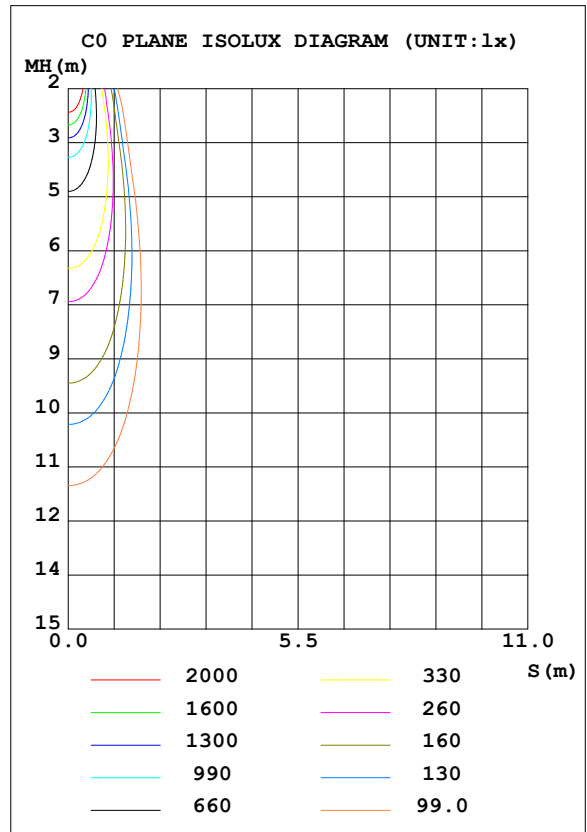
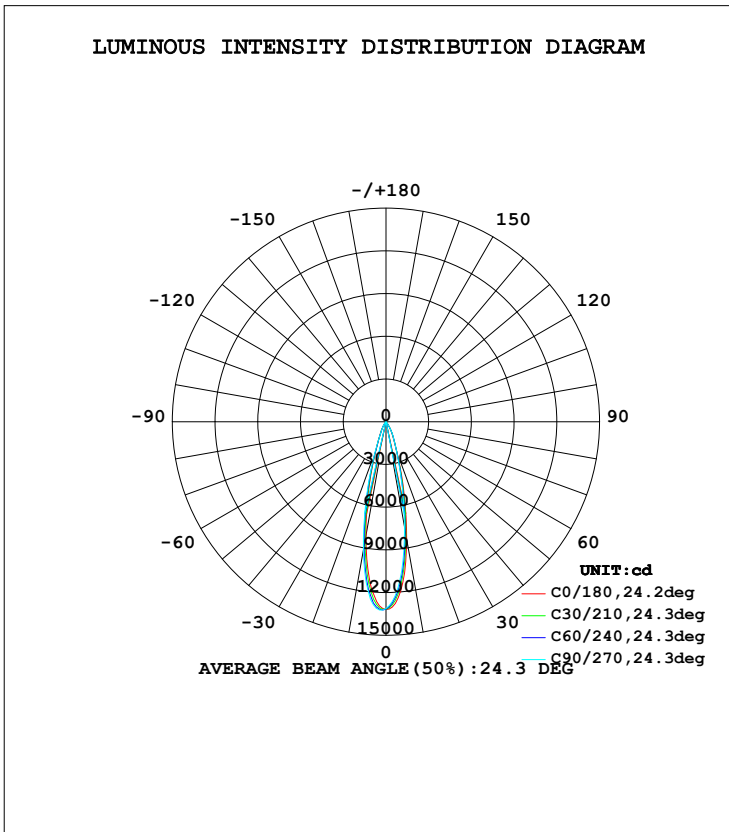
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.61 lm/W			
MODEL	CITIZEN-4000K	I <sub>max</sub> (cd)	13236	S/MH (C0/180)	0.41
NOMINAL POWER (W)	42	LOR (%)	100.0	S/MH (C90/270)	0.44
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3055.7	η UP, DN (C0-180)	0.0, 48.9
NOMINAL FLUX (lm)	3055.75	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00



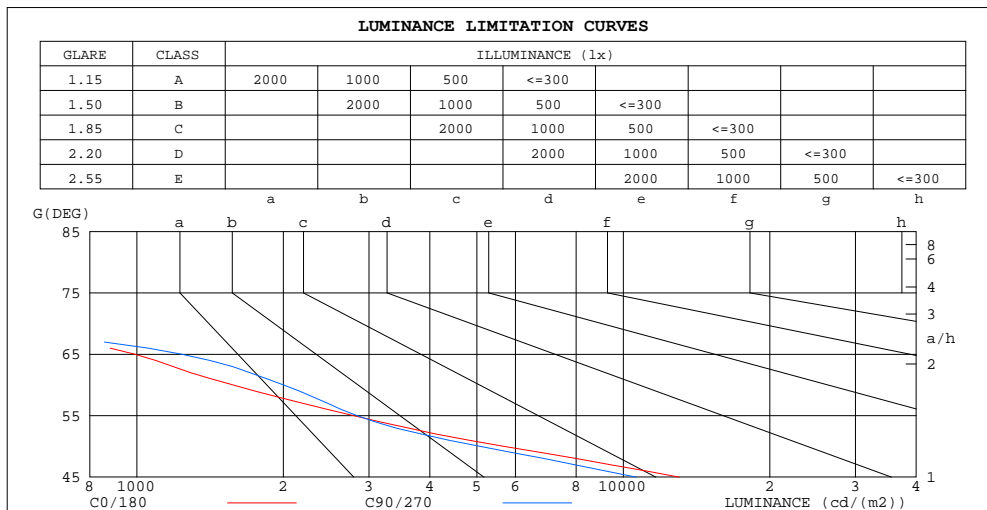
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [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	$\#lum, lamp$
10	837.7	798.1	753.1	757.4	813.7	856.8	913.8	895.4	0- 10	1012	1012	33.1,33.1
20	218.0	223.2	214.1	203.2	201.0	196.4	217.4	221.7	10- 20	1270	2282	74.7,74.7
30	66.43	71.55	69.55	65.49	57.71	51.07	53.41	57.62	20- 30	526.1	2808	91.9,91.9
40	11.77	10.34	9.359	9.758	10.91	12.28	13.49	13.47	30- 40	186.8	2995	98,98
50	2.325	2.159	2.078	2.267	2.356	2.591	3.047	2.946	40- 50	46.65	3042	99.5,99.5
60	0.5014	0.4849	0.6365	0.5218	0.4714	0.5158	0.6019	0.5253	50- 60	10.49	3052	99.9,99.9
70	0.0724	0.0631	0.0624	0.0666	0.0749	0.0796	0.0914	0.0894	60- 70	2.822	3055	100,100
80	0.0258	0.0208	0.0230	0.0218	0.0238	0.0278	0.0277	0.0269	70- 80	0.4577	3056	100,100
90	0.0122	0.0129	0.0133	0.0129	0.0085	0.0083	0.0083	0.0085	80- 90	0.1720	3056	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: $\times 10cd$									UNIT: lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	304	288
80	234	208
75	249	211
70	333	287
65	990	1236
60	1577	2002
55	2793	2838
50	5688	5084
45	13028	10627

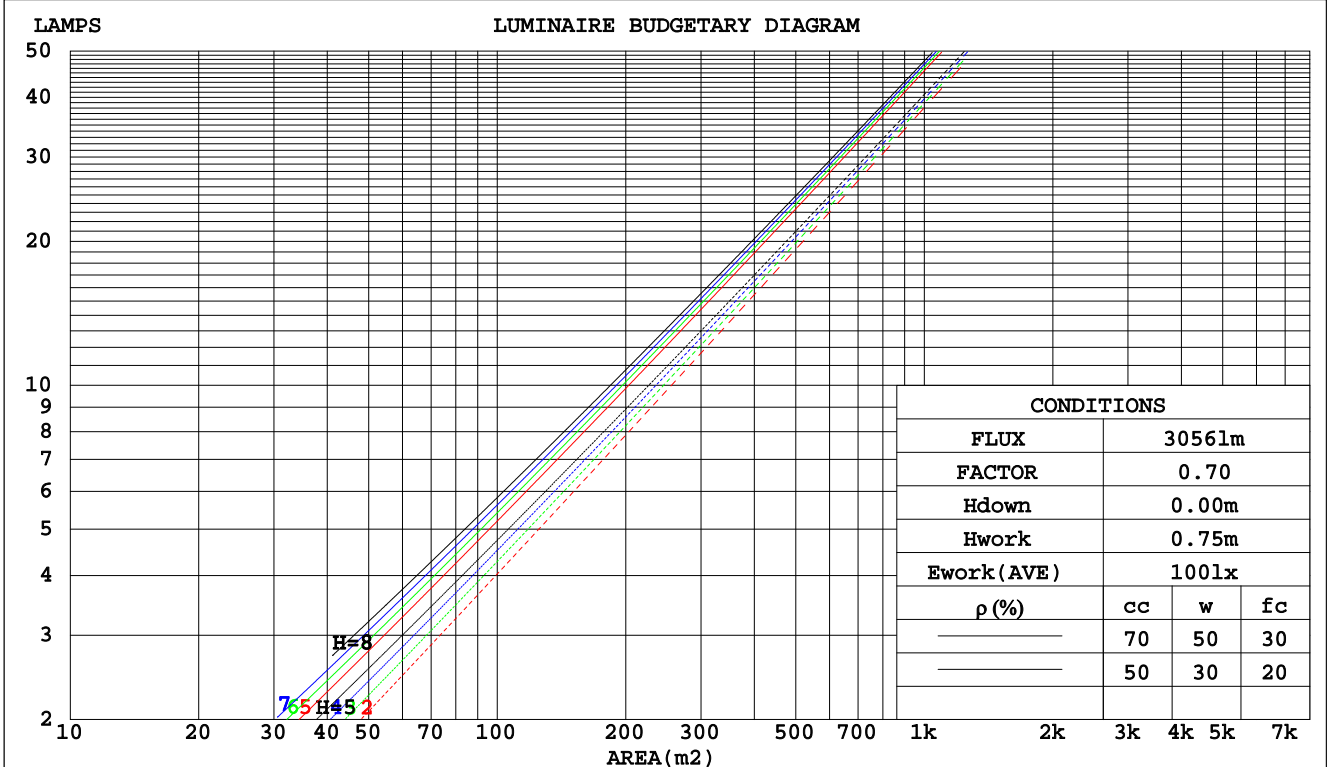
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.99	.96	.93	.96	.94	.92	.94	.92	.91	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.86	.82	.79	.85	.82	.79	.84	.81	.79	.78
8.0	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.75
9.0	.82	.78	.75	.81	.77	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-07

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

WEC AND CCEC

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.141	.080	.025	.134	.077	.024	.122	.070	.022	.111	.064	.020	.100	.058	.019	
2.0	.131	.072	.022	.126	.069	.021	.116	.064	.020	.106	.060	.019	.098	.055	.017	
3.0	.123	.065	.020	.118	.063	.019	.110	.060	.018	.102	.056	.017	.095	.052	.016	
4.0	.116	.060	.018	.112	.059	.017	.105	.055	.017	.098	.053	.016	.092	.050	.015	
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015	.089	.047	.014	
6.0	.104	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.086	.045	.013	
7.0	.098	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	.083	.043	.013	
8.0	.094	.046	.013	.092	.045	.013	.088	.044	.013	.084	.042	.012	.080	.041	.012	
9.0	.090	.043	.012	.088	.043	.012	.084	.042	.012	.081	.041	.012	.078	.039	.011	
10.0	.086	.041	.011	.084	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.011	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.102	.089	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.098	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.055	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
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	13.8	14.5	14.0	14.6	14.8	13.6	14.3	13.8	14.4	14.6
3H	13.7	14.3	13.9	14.5	14.7	13.4	14.1	13.7	14.3	14.4
4H	13.6	14.2	13.8	14.4	14.6	13.4	14.0	13.6	14.2	14.4
6H	13.5	14.1	13.8	14.3	14.5	13.3	13.8	13.6	14.1	14.3
8H	13.5	14.0	13.7	14.2	14.5	13.2	13.8	13.5	14.0	14.3
12H	13.4	13.9	13.7	14.2	14.5	13.2	13.7	13.5	14.0	14.2
4H 2H	13.6	14.2	13.8	14.4	14.6	13.4	14.0	13.6	14.2	14.4
3H	13.4	13.9	13.7	14.2	14.5	13.2	13.7	13.5	14.0	14.3
4H	13.3	13.8	13.7	14.1	14.4	13.1	13.6	13.4	13.9	14.2
6H	13.2	13.7	13.6	14.0	14.3	13.0	13.4	13.4	13.8	14.1
8H	13.2	13.6	13.6	13.9	14.3	12.9	13.3	13.3	13.7	14.1
12H	13.1	13.5	13.5	13.8	14.2	12.9	13.3	13.3	13.6	14.0
8H 4H	13.2	13.6	13.6	13.9	14.3	12.9	13.3	13.3	13.7	14.1
6H	13.1	13.4	13.5	13.8	14.2	12.8	13.2	13.3	13.6	14.0
8H	13.0	13.3	13.4	13.7	14.1	12.8	13.1	13.2	13.5	13.9
12H	12.9	13.2	13.4	13.6	14.1	12.7	13.0	13.2	13.4	13.9
12H 4H	13.1	13.5	13.5	13.8	14.2	12.9	13.3	13.3	13.6	14.0
6H	13.0	13.3	13.4	13.7	14.1	12.8	13.1	13.2	13.5	13.9
8H	12.9	13.2	13.4	13.6	14.1	12.7	13.0	13.2	13.4	13.9
Variations with the observer position at spacings:										
S = 1.0H	+ 3.7 / -11.6					+ 3.5 / -10.4				
1.5H	+ 5.8 / - 9.7					+ 5.6 / - 8.4				
2.0H	+ 6.7 / - 7.8					+ 5.9 / - 6.4				

CIE Pub.117 Corrected 3056 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
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	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-07

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

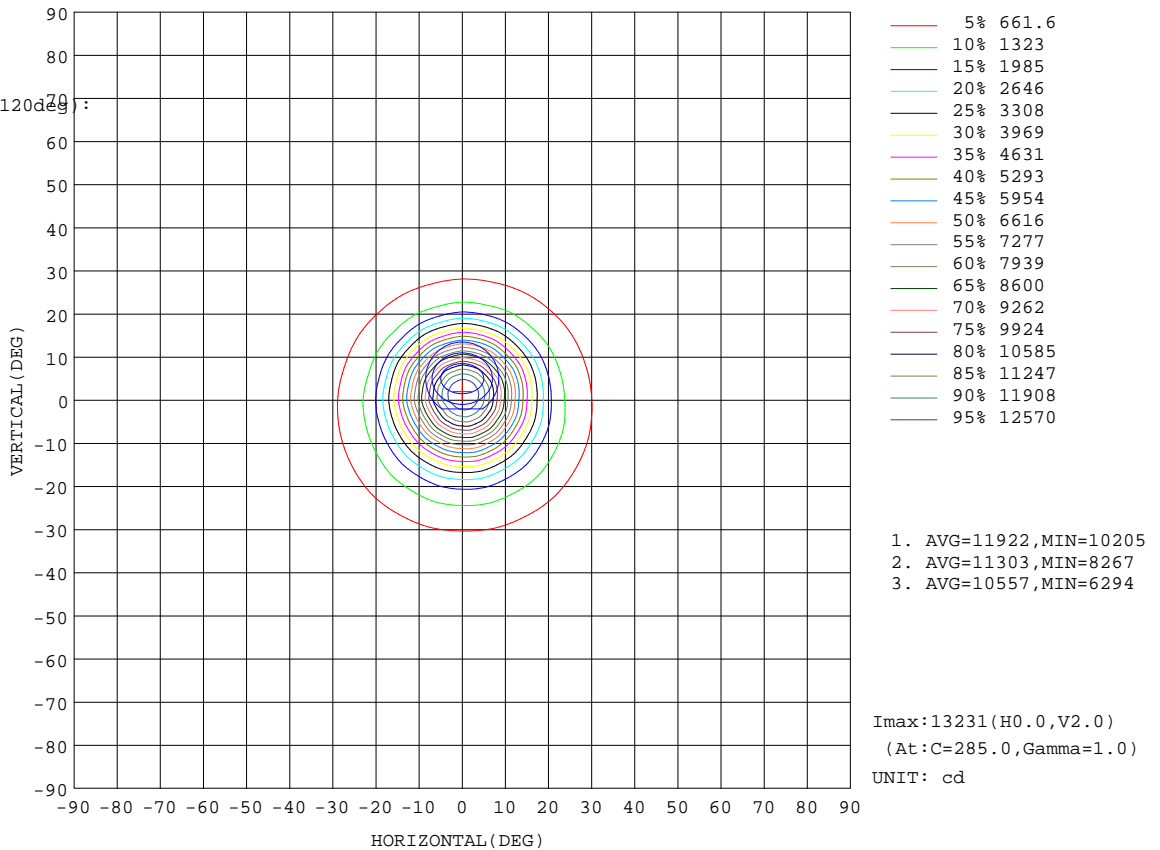
Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

3025.9 lm  
%lum = 99.0%  
%lamp = 99.0%

Conical surface Flux(120deg):

3052.3 lm  
%lum = 99.9%  
%lamp = 99.9%



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-07

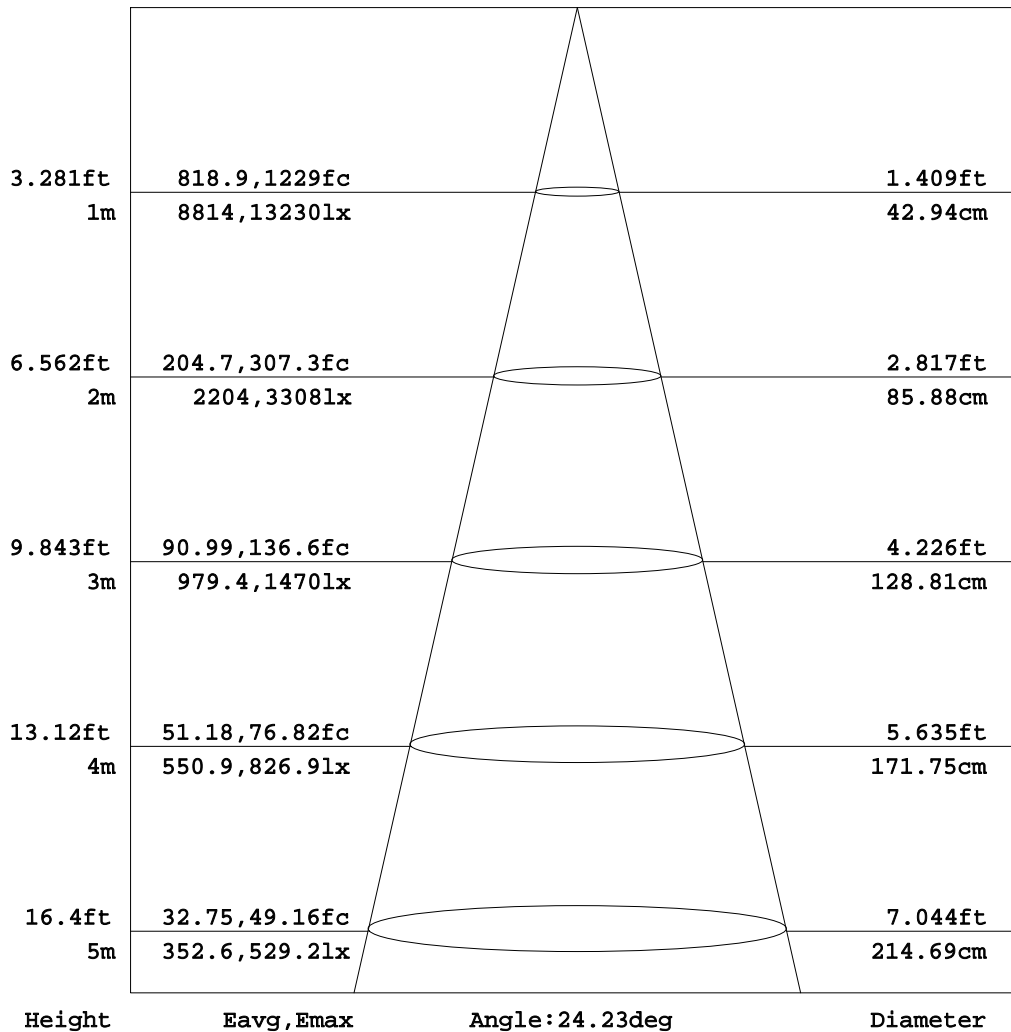
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

Flux out:1476 lm



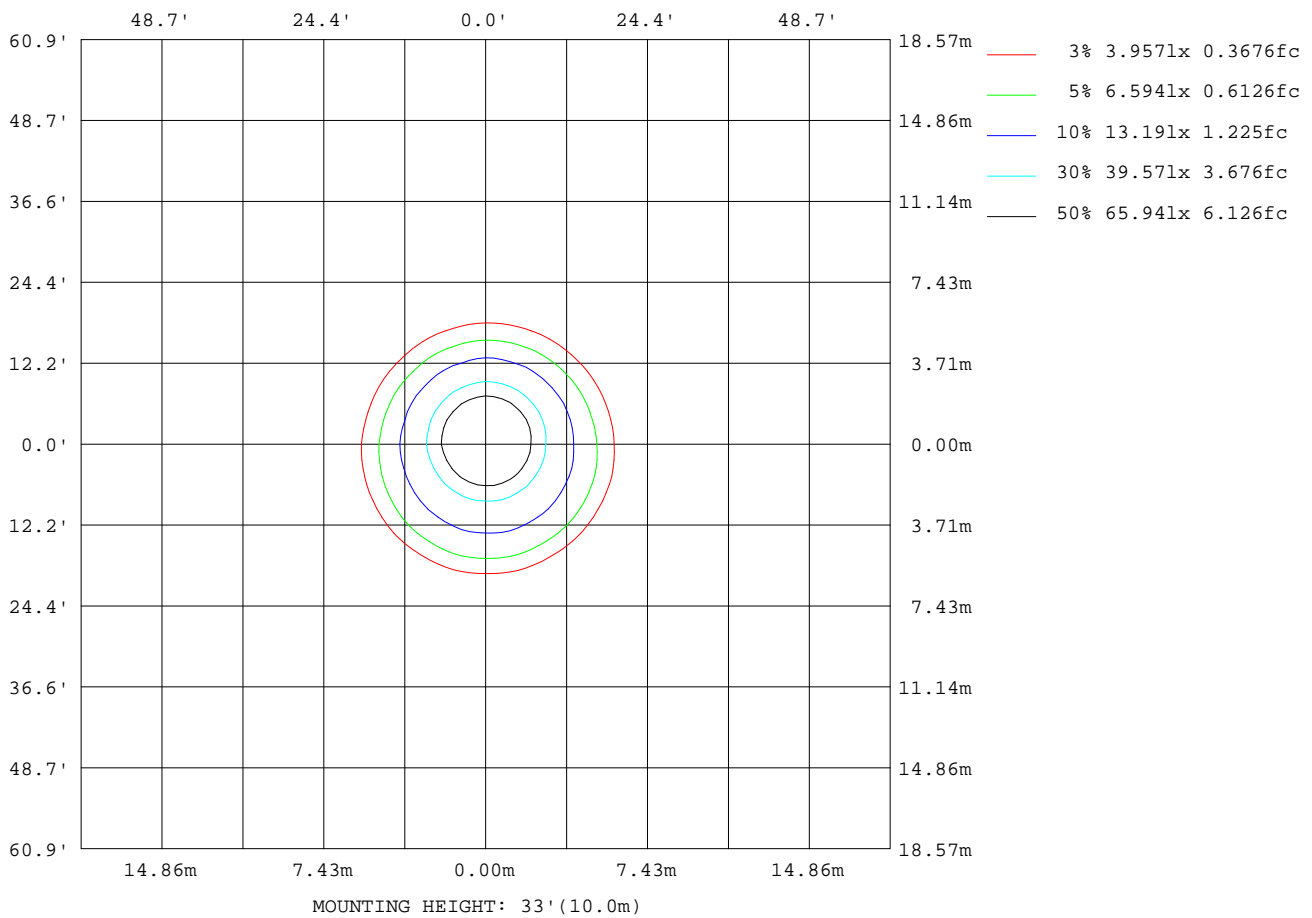
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-07

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

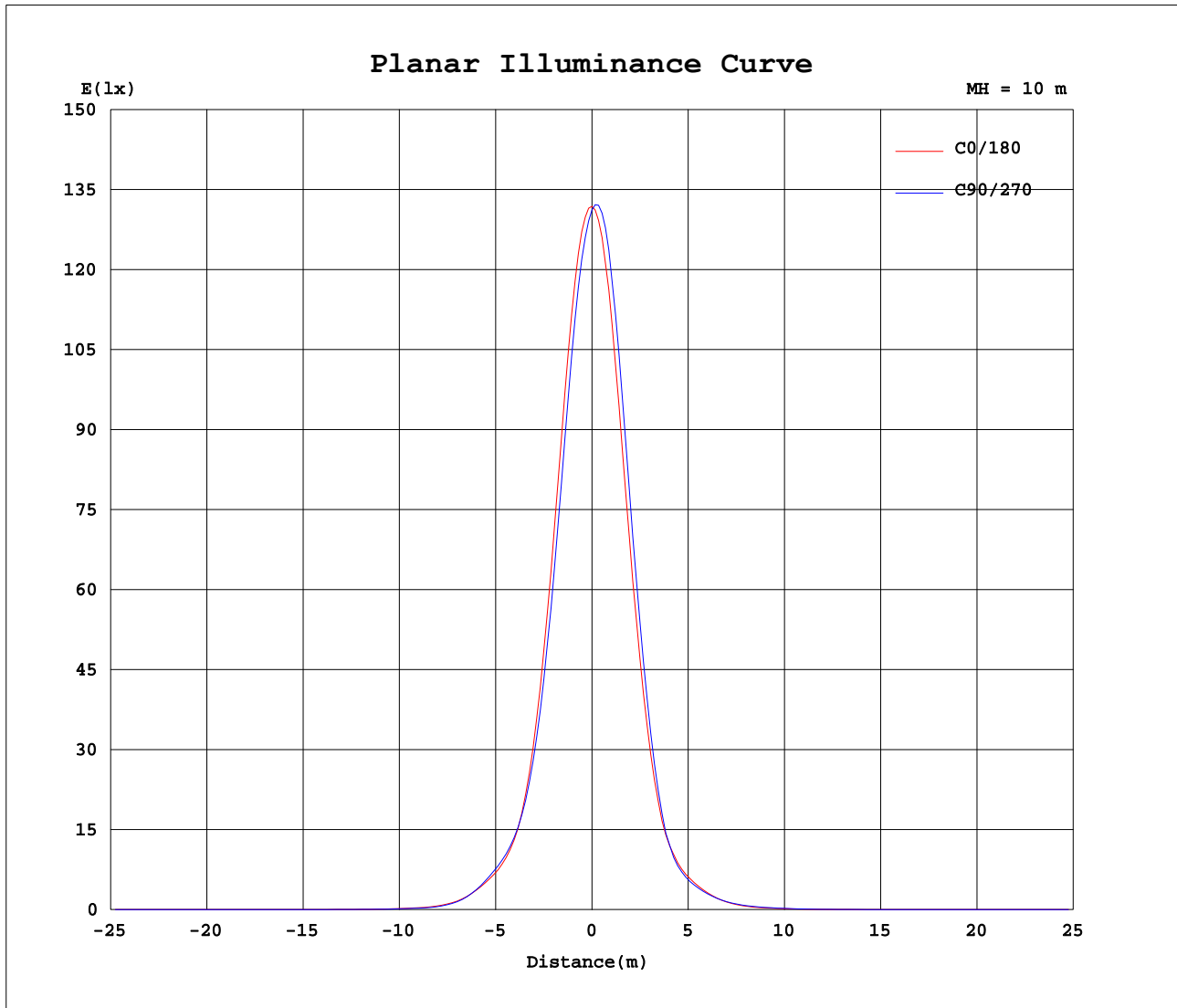
Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1319	1318	1318	1317	1316	1316	1312	1313	1311	1312	1310	1313	1319	1318	1318	1317	1316	1316	1312
5	1192	1186	1164	1160	1140	1138	1120	1123	1116	1126	1124	1145	1176	1183	1200	1214	1229	1240	1251
10	838	831	804	798	775	774	753	755	748	757	757	778	814	820	849	857	888	891	914
15	465	464	447	446	430	431	416	417	409	415	413	426	449	449	471	473	496	495	516
20	218	224	221	223	218	220	214	212	204	203	197	197	201	195	200	196	206	205	217
25	115	122	124	127	126	127	125	124	118	116	109	105	102	96.1	94.3	91.4	92.5	91.5	95.0
30	66.4	70.2	70.3	71.5	70.2	71.6	69.5	69.7	66.3	65.5	61.7	59.7	57.7	53.8	52.7	51.1	52.0	51.7	53.4
35	29.3	29.7	28.7	28.8	27.7	28.3	27.2	27.7	26.8	27.1	25.8	25.8	26.2	25.4	25.7	25.4	26.3	26.2	27.2
40	11.8	11.4	10.7	10.3	9.74	9.65	9.36	9.58	9.56	9.76	9.75	10.1	10.9	11.3	12.1	12.3	12.8	12.8	13.5
45	5.86	5.58	5.18	5.09	4.86	4.91	4.78	4.89	4.90	5.11	5.05	5.30	5.65	5.89	6.30	6.39	6.58	6.67	7.06
50	2.32	2.28	2.17	2.16	2.09	2.11	2.08	2.14	2.14	2.27	2.14	2.21	2.36	2.36	2.48	2.59	2.76	2.83	3.05
55	1.02	0.99	0.91	0.94	0.99	1.01	1.04	1.06	0.99	1.00	0.90	0.89	0.97	0.94	0.95	1.04	1.24	1.26	1.27
60	0.50	0.47	0.45	0.48	0.52	0.56	0.64	0.61	0.53	0.52	0.47	0.46	0.47	0.47	0.49	0.52	0.63	0.62	0.60
65	0.27	0.27	0.25	0.28	0.29	0.31	0.33	0.33	0.29	0.28	0.25	0.24	0.25	0.26	0.27	0.28	0.33	0.33	0.32
70	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09
75	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
80	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
85	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1996A P:41.51W PF:0.9422 Lamp Flux:3055.75x1 lm		
NAME: FOCUS M-42W-940-25D	TYPE:Tracklight	SERIAL No.:
SPEC.:4000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	1313	1311	1312	1310	1313															
5	1249	1247	1236	1225	1214															
10	909	913	895	894	869															
15	515	519	507	508	488															
20	216	225	222	227	223															
25	95.7	99.8	103	107	110															
30	53.9	55.9	57.6	60.6	63.2															
35	27.2	28.2	28.6	29.7	29.7															
40	13.3	13.7	13.5	13.7	12.6															
45	7.01	7.09	7.09	6.98	6.32															
50	3.00	3.00	2.95	2.87	2.49															
55	1.22	1.22	1.11	1.08	1.04															
60	0.58	0.57	0.53	0.53	0.52															
65	0.30	0.30	0.28	0.29	0.29															
70	0.09	0.10	0.09	0.09	0.09															
75	0.05	0.05	0.05	0.04	0.04															
80	0.03	0.03	0.03	0.03	0.03															
85	0.02	0.01	0.02	0.01	0.02															
90	0.01	0.01	0.01	0.01	0.01															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [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	13186	13182	13176	13171	13157	13158	13119	13133	13106	13123
3.0	12765	12693	12557	12502	12386	12325	12243	12224	12228	12249
6.0	11350	11274	11039	10984	10774	10751	10553	10577	10503	10600
9.0	9177	9104	8819	8773	8529	8519	8296	8329	8234	8356
12.0	6791	6737	6504	6460	6248	6234	6044	6064	5983	6083
15.0	4647	4643	4472	4462	4297	4313	4161	4170	4090	4153
18.0	2985	3026	2943	2966	2867	2885	2788	2785	2712	2726
21.0	1875	1948	1937	1968	1928	1952	1898	1878	1803	1786
24.0	1286	1370	1380	1419	1385	1417	1373	1375	1311	1281
27.0	931.2	993.0	1014	1040	1030	1046	1024	1020	973.9	950.7
30.0	664.3	701.9	702.7	715.5	701.6	716.1	695.5	696.9	662.9	654.9
33.0	421.9	436.0	426.3	428.2	416.8	425.8	412.5	415.0	397.1	396.3
36.0	244.9	247.0	237.5	237.8	227.4	231.5	222.2	225.9	221.9	224.3
39.0	143.5	142.8	132.8	131.9	120.7	124.7	114.4	117.7	116.9	124.2
42.0	87.71	84.92	80.43	78.13	75.04	74.56	72.79	74.13	74.37	76.38
45.0	58.57	55.79	51.81	50.89	48.59	49.05	47.78	48.86	49.02	51.14
48.0	34.11	33.04	31.05	30.77	29.66	29.97	29.30	30.25	30.32	31.85
51.0	19.25	18.95	18.11	18.04	17.63	17.77	17.50	17.99	17.98	18.99
54.0	11.79	11.54	10.84	10.94	11.31	11.46	11.54	11.87	11.32	11.65
57.0	7.602	7.272	6.646	7.013	7.594	7.912	8.549	8.518	7.589	7.592
60.0	5.014	4.733	4.501	4.849	5.198	5.646	6.365	6.145	5.305	5.218
63.0	3.425	3.364	3.232	3.523	3.744	4.045	4.539	4.405	3.817	3.734
66.0	2.278	2.299	2.149	2.351	2.441	2.609	2.729	2.698	2.337	2.327
69.0	1.000	0.8990	0.7874	0.8313	0.8130	0.8812	0.7339	0.8726	0.7588	0.7731
72.0	0.5650	0.5436	0.4928	0.4718	0.4515	0.4434	0.4516	0.4544	0.4712	0.4872
75.0	0.4093	0.3758	0.3656	0.3408	0.3415	0.3277	0.3480	0.3430	0.3590	0.3605
78.0	0.3086	0.2753	0.2758	0.2535	0.2605	0.2381	0.2670	0.2578	0.2714	0.2644
81.0	0.2385	0.2097	0.2166	0.1923	0.2079	0.1835	0.2123	0.1944	0.2122	0.1988
84.0	0.1839	0.1617	0.1707	0.1507	0.1685	0.1486	0.1685	0.1486	0.1663	0.1507
87.0	0.1488	0.1333	0.1422	0.1290	0.1466	0.1290	0.1401	0.1268	0.1378	0.1224
90.0	0.1224	0.1224	0.1290	0.1290	0.1356	0.1377	0.1334	0.1312	0.1290	0.1290
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	13097	13125	13186	13182	13176	13171	13157	13158	13119	13133
3.0	12291	12428	12653	12714	12845	12915	13028	13065	13113	13112
6.0	10592	10804	11140	11215	11481	11575	11831	11869	11964	11973
9.0	8342	8586	8934	9006	9309	9392	9700	9730	9949	9899
12.0	6072	6263	6583	6632	6893	6973	7232	7253	7475	7446
15.0	4130	4260	4495	4493	4707	4734	4956	4952	5161	5147
18.0	2669	2717	2834	2789	2905	2895	3043	3029	3185	3163
21.0	1722	1706	1725	1649	1666	1626	1687	1675	1768	1770
24.0	1217	1176	1157	1085	1072	1038	1056	1043	1083	1093
27.0	896.2	856.2	821.9	760.4	745.7	720.4	729.2	723.6	744.6	752.3
30.0	617.3	597.3	577.1	537.9	526.6	510.7	520.1	517.3	534.1	539.5
33.0	374.7	369.3	367.6	348.0	348.2	341.8	351.0	349.2	361.6	362.4
36.0	214.6	215.5	221.0	215.8	221.5	219.0	227.1	226.7	235.4	235.0
39.0	118.1	125.0	132.8	133.0	142.1	142.4	147.7	148.3	154.6	153.4
42.0	76.65	79.44	84.58	87.77	93.72	95.49	96.99	98.33	101.8	101.2
45.0	50.45	53.01	56.45	58.88	62.99	63.94	65.85	66.73	70.61	70.06
48.0	30.80	32.14	34.18	35.00	37.39	37.95	39.56	40.34	43.19	42.47
51.0	17.73	18.21	19.41	19.23	19.91	21.25	22.90	23.44	25.16	24.75
54.0	10.44	10.60	11.48	11.14	11.22	12.29	14.28	14.58	14.95	14.52
57.0	6.788	6.631	7.048	7.023	7.127	7.639	9.415	9.486	9.260	8.785
60.0	4.726	4.565	4.714	4.734	4.924	5.158	6.296	6.209	6.019	5.780
63.0	3.366	3.223	3.299	3.342	3.459	3.620	4.301	4.229	4.103	3.927
66.0	2.052	2.037	2.169	2.255	2.357	2.404	2.907	2.813	2.744	2.614
69.0	0.7287	0.7972	0.9207	0.9873	1.068	1.106	1.475	1.382	1.342	1.270
72.0	0.5083	0.5330	0.5764	0.5933	0.6287	0.6349	0.6636	0.6699	0.6746	0.6632
75.0	0.3831	0.3998	0.4150	0.4377	0.4478	0.4618	0.4761	0.4858	0.4827	0.4814
78.0	0.2889	0.2928	0.2992	0.3239	0.3232	0.3414	0.3407	0.3567	0.3494	0.3545
81.0	0.2211	0.2207	0.2096	0.2320	0.2271	0.2516	0.2380	0.2604	0.2446	0.2560
84.0	0.1729	0.1616	0.1398	0.1663	0.1463	0.1730	0.1572	0.1839	0.1681	0.1839
87.0	0.1400	0.1246	0.0939	0.1160	0.0961	0.1182	0.0961	0.1248	0.1070	0.1291
90.0	0.1224	0.1224	0.0853	0.0875	0.0831	0.0831	0.0809	0.0853	0.0831	0.0875
G/C	300.0	315.0	330.0	345.0						
0.0	13106	13123	13097	13125						
3.0	13076	13026	12965	12870						
6.0	11916	11845	11800	11594						
9.0	9924	9760	9743	9496						
12.0	7480	7331	7302	7090						
15.0	5185	5073	5081	4883						
18.0	3235	3180	3207	3116						
21.0	1849	1847	1907	1890						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-08-07

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288

Humidity: 52%

Test Distance: 5.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

24.0	1141	1166	1219	1245
27.0	785.9	807.2	850.2	885.2
30.0	558.6	576.2	605.8	631.7
33.0	376.0	383.8	403.4	414.0
36.0	243.7	245.6	254.0	250.8
39.0	157.7	157.4	159.5	151.5
42.0	102.1	101.6	100.0	93.05
45.0	70.93	70.91	69.79	63.22
48.0	42.67	42.38	41.68	36.94
51.0	24.67	23.93	23.21	20.28
54.0	14.26	13.07	12.72	11.99
57.0	8.948	8.090	8.023	7.826
60.0	5.724	5.253	5.277	5.246
63.0	3.834	3.572	3.625	3.620
66.0	2.589	2.424	2.521	2.485
69.0	1.328	1.189	1.310	1.226
72.0	0.6614	0.6239	0.6264	0.5976
75.0	0.4653	0.4530	0.4347	0.4289
78.0	0.3320	0.3327	0.3123	0.3195
81.0	0.2358	0.2407	0.2249	0.2385
84.0	0.1615	0.1751	0.1615	0.1773
87.0	0.1047	0.1248	0.1048	0.1291
90.0	0.0831	0.0853	0.0831	0.0918

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks: