

LED Tracklight FURE M-28W-930-18



Light Output Ratio:	100.0%	
Luminaire Power:	28.03 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

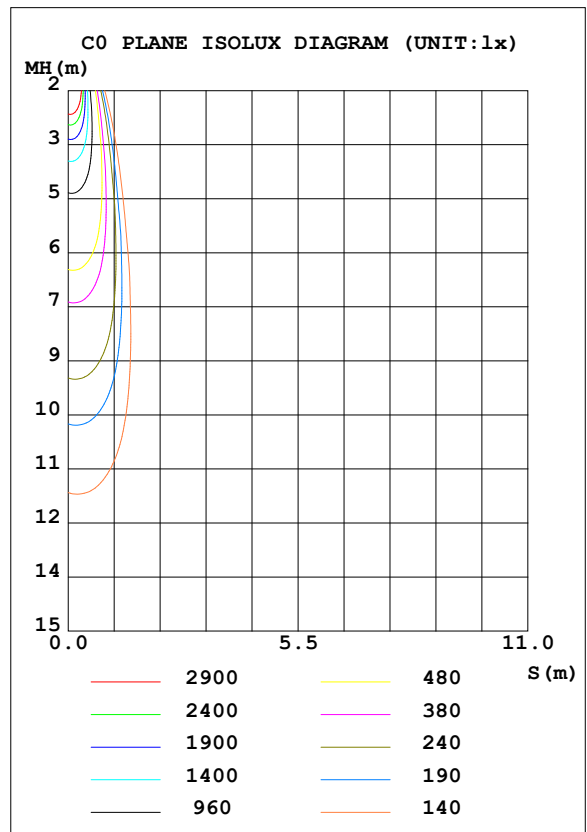
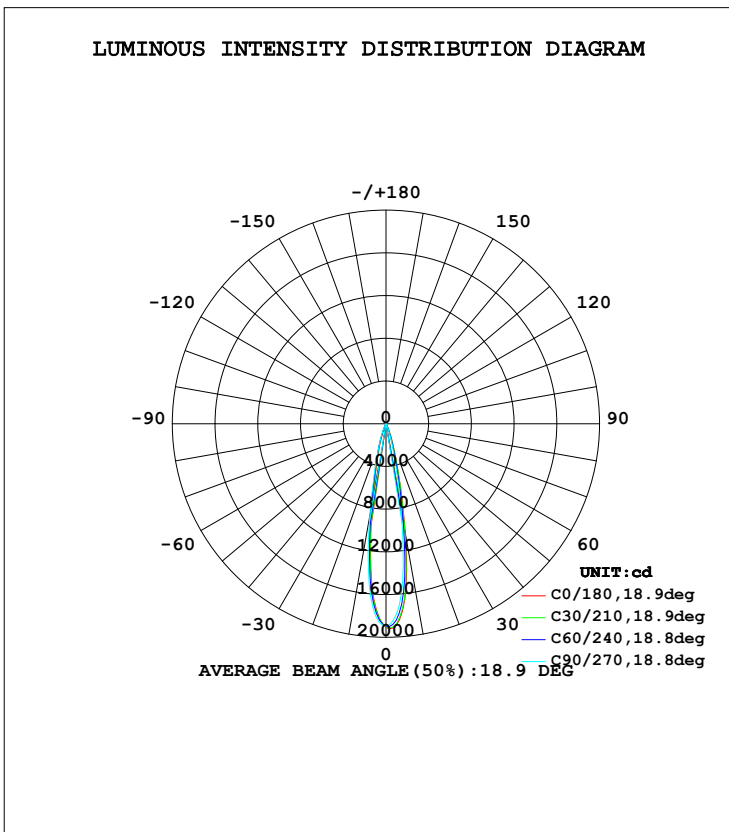
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-18

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.1318A P:28.03W PF:0.9638 Lamp Flux:2656.22x1 lm		
NAME: FURE M-28W-930-18	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.76 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	19194	S/MH (C0/180)	0.29
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.33
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2656.2	η UP, DN (C0-180)	0.0, 49.0
NOMINAL FLUX (lm)	2656.22	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.0
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



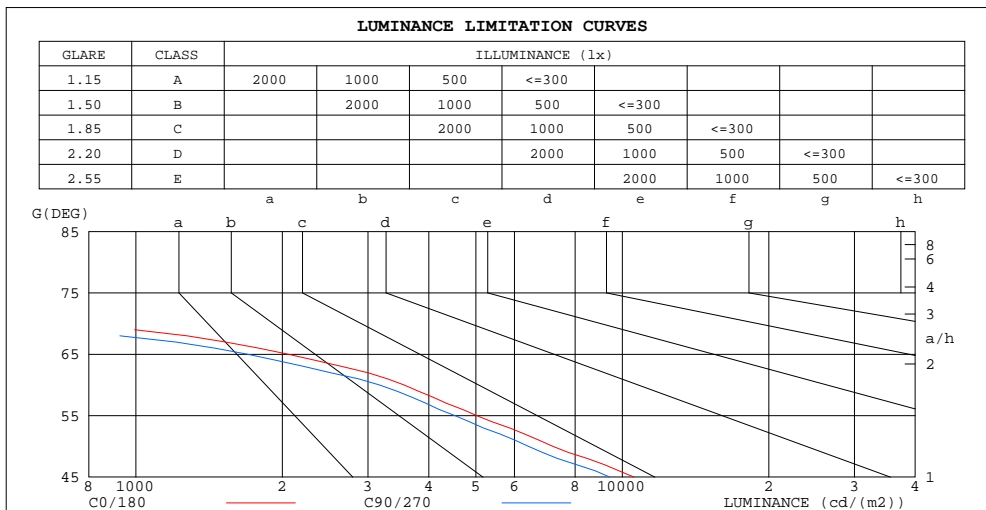
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1045	991.5	819.9	718.1	718.0	753.2	878.2	1004	0- 10	1299	1299	48.9,48.9
20	153.7	143.3	99.65	91.77	99.83	130.3	146.3	161.0	10- 20	989.1	2289	86.2,86.2
30	22.64	20.85	17.36	16.09	16.38	18.59	20.96	23.49	20- 30	237.2	2526	95.1,95.1
40	7.629	7.430	6.709	6.527	6.608	7.108	7.651	8.052	30- 40	73.86	2600	97.9,97.9
50	2.945	2.859	2.622	2.500	2.551	2.633	2.924	2.967	40- 50	35.65	2635	99.2,99.2
60	1.131	1.081	1.006	0.9205	0.9284	0.9587	1.073	1.110	50- 60	15.61	2651	99.8,99.8
70	0.1445	0.1173	0.0708	0.0486	0.0485	0.0611	0.1063	0.1417	60- 70	4.988	2656	100,100
80	0.0186	0.0144	0.0158	0.0118	0.0133	0.0138	0.0127	0.0158	70- 80	0.2925	2656	100,100
90	0.0114	0.0105	0.0105	0.0103	0.0136	0.0112	0.0109	0.0109	80- 90	0.1312	2656	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: x10cd										UNIT: lm	



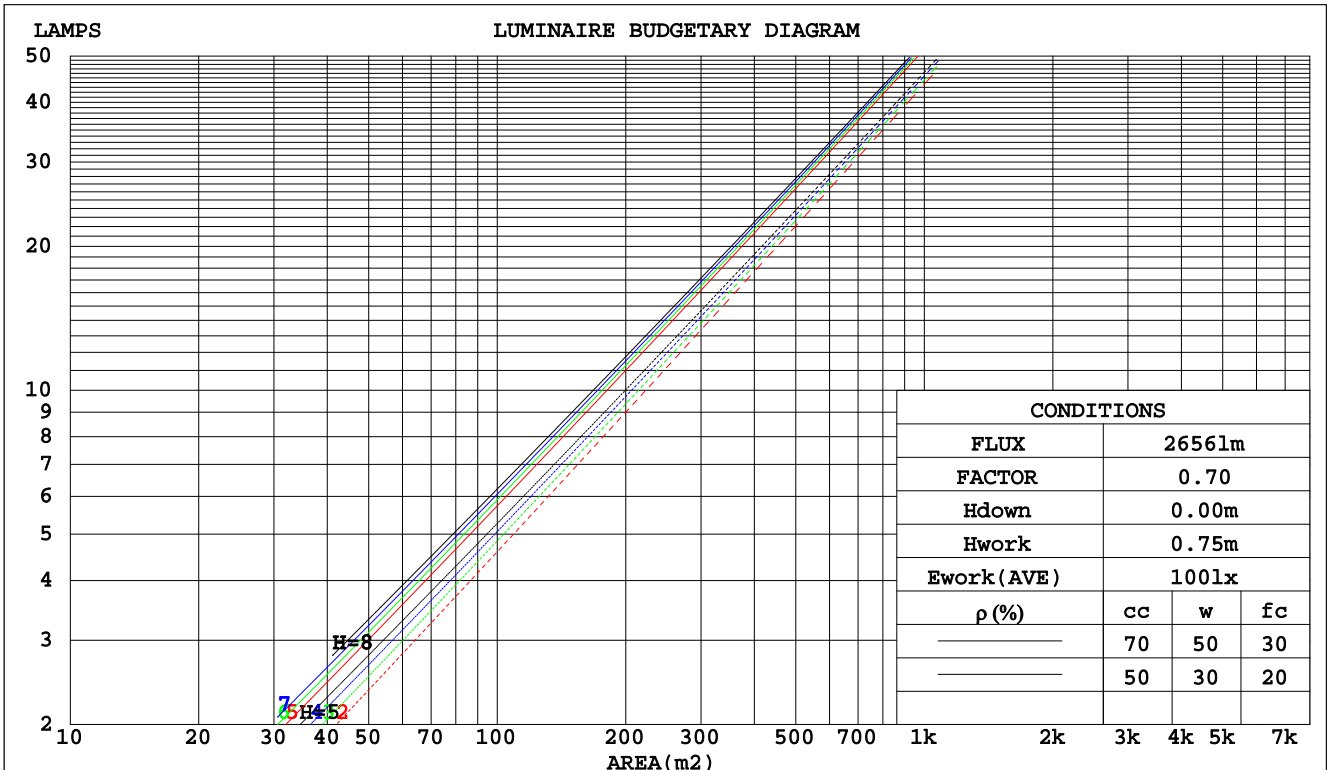
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:3000K	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	1.00
1.0	1.13	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.97
2.0	1.09	1.06	1.04	1.07	1.04	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.95
3.0	1.05	1.01	.99	1.03	1.00	.98	1.01	.98	.96	.99	.97	.95	.96	.95	.93	.92
4.0	1.01	.97	.95	.00	.97	.94	.98	.95	.93	.96	.94	.92	.95	.93	.91	.90
5.0	.98	.94	.91	.97	.94	.91	.95	.93	.90	.94	.92	.90	.93	.91	.89	.88
6.0	.95	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.87	.91	.89	.87	.86
7.0	.93	.89	.86	.92	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
8.0	.90	.87	.84	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.85	.82	.88	.84	.82	.87	.84	.82	.86	.84	.82	.86	.83	.81	.81
10.0	.86	.83	.81	.86	.83	.80	.85	.82	.80	.85	.82	.80	.84	.82	.80	.79



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WEC AND CCEC

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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	.128	.073	.023	.121	.069	.022	.109	.062	.020	.097	.056	.018	.087	.050	.016	
2.0	.117	.064	.020	.112	.062	.019	.102	.057	.018	.093	.052	.016	.084	.047	.015	
3.0	.109	.058	.017	.104	.056	.017	.096	.052	.016	.088	.048	.015	.081	.045	.014	
4.0	.101	.053	.015	.098	.051	.015	.090	.048	.014	.084	.045	.014	.078	.042	.013	
5.0	.095	.048	.014	.092	.047	.014	.086	.045	.013	.080	.042	.013	.075	.040	.012	
6.0	.089	.045	.013	.086	.044	.013	.081	.042	.012	.077	.040	.012	.072	.038	.011	
7.0	.084	.042	.012	.082	.041	.012	.078	.039	.011	.073	.038	.011	.070	.036	.011	
8.0	.080	.039	.011	.078	.038	.011	.074	.037	.011	.070	.036	.010	.067	.034	.010	
9.0	.076	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	
10.0	.073	.035	.010	.071	.034	.010	.068	.033	.009	.065	.032	.009	.063	.031	.009	

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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	.168	.158	.149	.143	.135	.128	.098	.093	.089	.056	.054	.051	.018	.017	.017	
2.0	.149	.133	.119	.128	.114	.103	.087	.079	.072	.050	.046	.042	.016	.015	.014	
3.0	.133	.113	.097	.114	.098	.084	.079	.068	.059	.045	.040	.035	.015	.013	.011	
4.0	.120	.098	.080	.103	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.109	.085	.067	.094	.074	.059	.065	.051	.041	.037	.030	.025	.012	.010	.008	
6.0	.100	.075	.057	.086	.065	.050	.059	.045	.035	.034	.027	.021	.011	.009	.007	
7.0	.092	.067	.049	.079	.058	.043	.055	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.085	.060	.042	.073	.052	.037	.051	.036	.026	.030	.021	.016	.010	.007	.005	
9.0	.079	.054	.037	.068	.047	.032	.047	.033	.023	.028	.019	.014	.009	.006	.004	
10.0	.074	.049	.032	.064	.043	.028	.044	.030	.020	.026	.018	.012	.008	.006	.004	

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 Remarks:

UGR(Unified Glare Rating) Table

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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	10.1	10.6	10.3	10.8	10.9	9.5	10.0	9.7	10.2	10.3
3H	10.0	10.6	10.2	10.7	10.9	9.4	9.9	9.6	10.1	10.3
4H	9.9	10.5	10.2	10.7	10.9	9.3	9.8	9.6	10.0	10.2
6H	9.8	10.3	10.1	10.6	10.8	9.2	9.7	9.5	9.9	10.2
8H	9.8	10.3	10.1	10.5	10.8	9.2	9.7	9.5	9.9	10.2
12H	9.8	10.2	10.1	10.5	10.7	9.1	9.6	9.4	9.9	10.1
4H 2H	10.0	10.5	10.2	10.7	10.9	9.4	9.9	9.7	10.1	10.3
3H	9.9	10.4	10.2	10.6	10.9	9.3	9.8	9.6	10.0	10.3
4H	9.8	10.2	10.1	10.5	10.8	9.2	9.6	9.6	9.9	10.2
6H	9.7	10.1	10.1	10.4	10.8	9.1	9.5	9.5	9.8	10.2
8H	9.7	10.0	10.0	10.4	10.7	9.1	9.4	9.4	9.8	10.1
12H	9.6	9.9	10.0	10.3	10.7	9.0	9.3	9.4	9.7	10.1
8H 4H	9.7	10.0	10.0	10.4	10.7	9.1	9.4	9.4	9.8	10.1
6H	9.5	9.8	10.0	10.2	10.6	8.9	9.2	9.4	9.6	10.0
8H	9.5	9.7	9.9	10.2	10.6	8.9	9.2	9.3	9.6	10.0
12H	9.4	9.6	9.9	10.1	10.5	8.8	9.1	9.3	9.5	10.0
12H 4H	9.6	9.9	10.0	10.3	10.7	9.0	9.3	9.4	9.7	10.1
6H	9.5	9.7	9.9	10.2	10.6	8.9	9.1	9.3	9.6	10.0
8H	9.4	9.6	9.9	10.1	10.5	8.8	9.1	9.3	9.5	10.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 3.9					+ 1.9 / - 4.0				
1.5H	+ 2.9 / - 2.9					+ 2.5 / - 2.6				
2.0H	+ 3.6 / - 4.3					+ 3.4 / - 4.2				

CIE Pub.117 Corrected 2656 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

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UTILIZATION FACTORS TABLE

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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	77
0.80	97	92	89	97	92	88	96	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	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			

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ISOCANDELA DIAGRAM

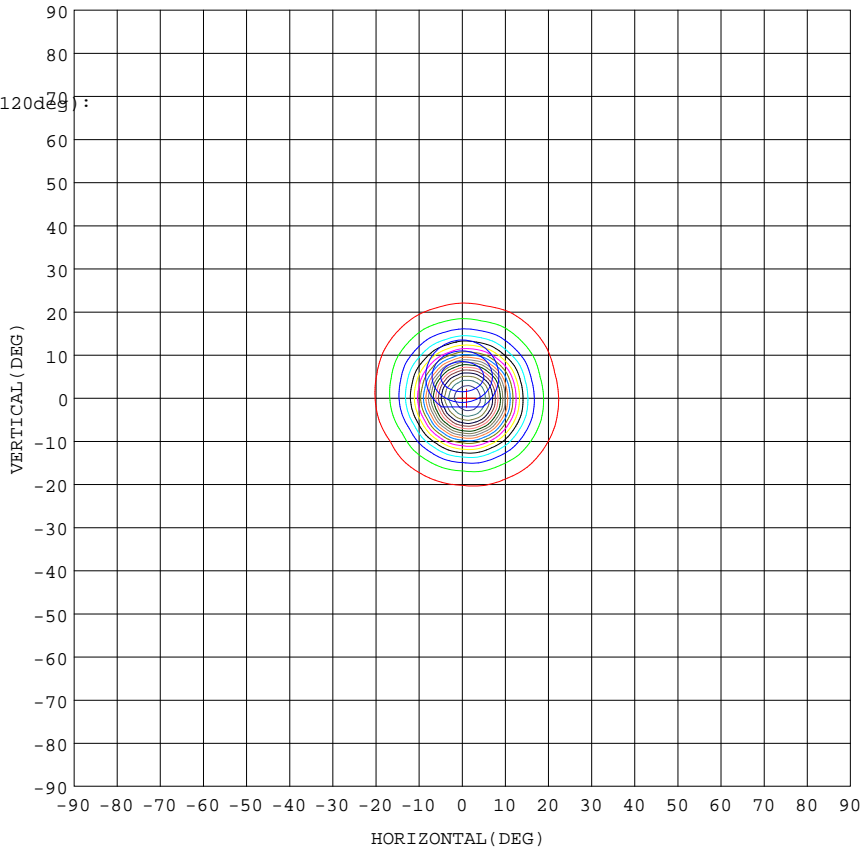
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Conical surface Flux(90deg):

2620.8 lm
%lum = 98.7%
%lamp = 98.7%

Conical surface Flux(120deg):

2650.8 lm
%lum = 99.8%
%lamp = 99.8%



1. AVG=15251,MIN=10688
2. AVG=14104,MIN=7120
3. AVG=12779,MIN=4589

Imax:19194(H1.0,V0.0)
(At:C=0.0,Gamma=1.0)

UNIT: cd

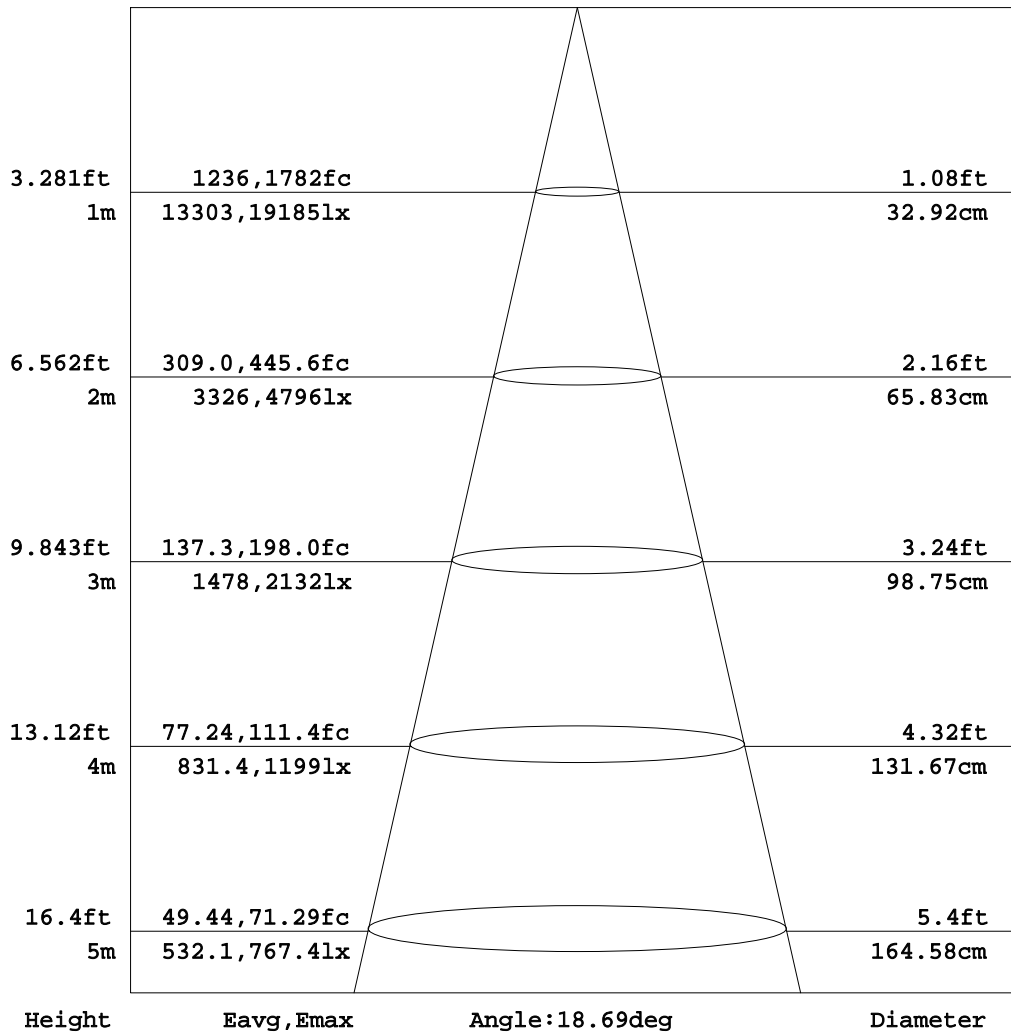
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AAI Figure

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Flux out:1299 lm



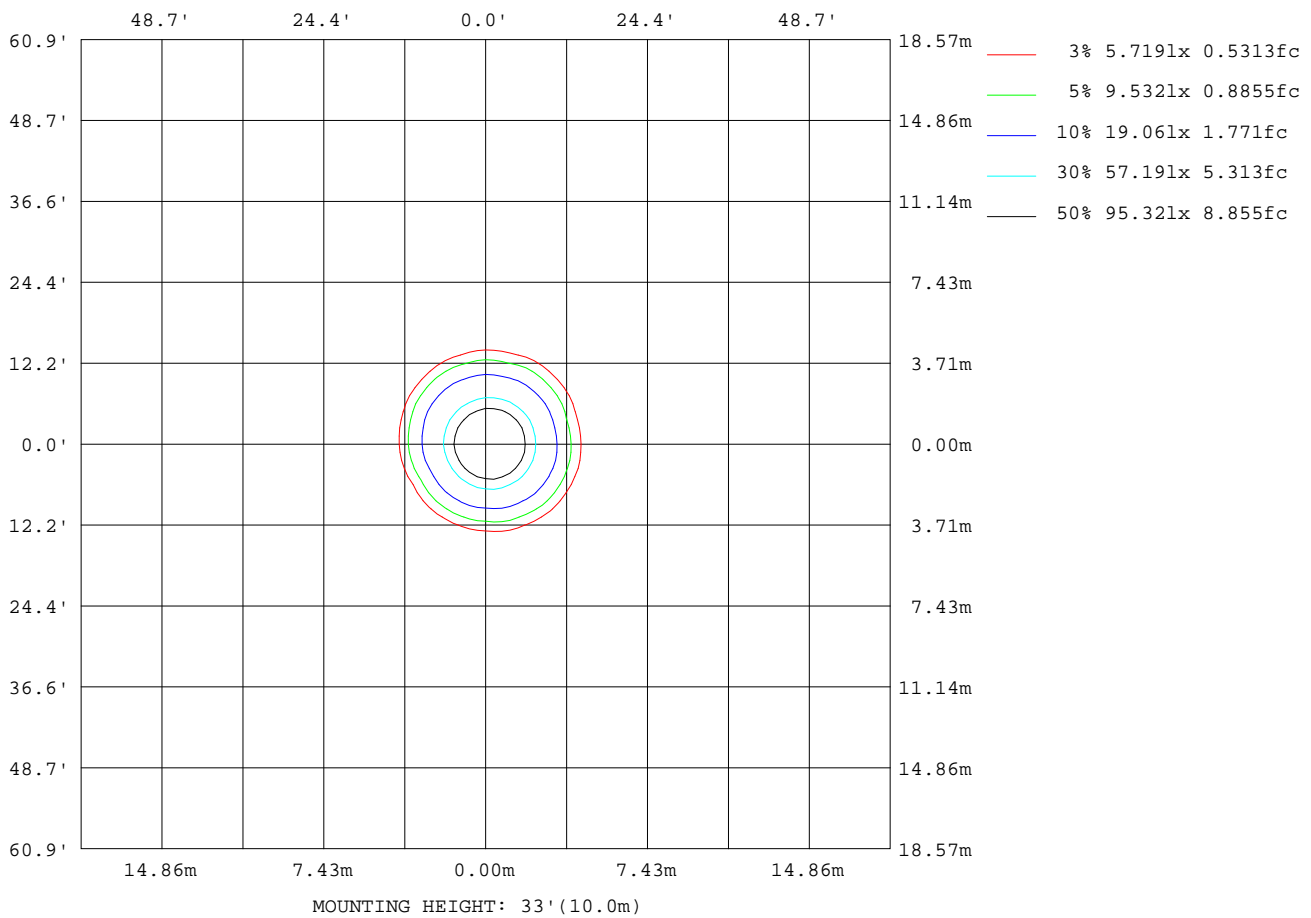
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

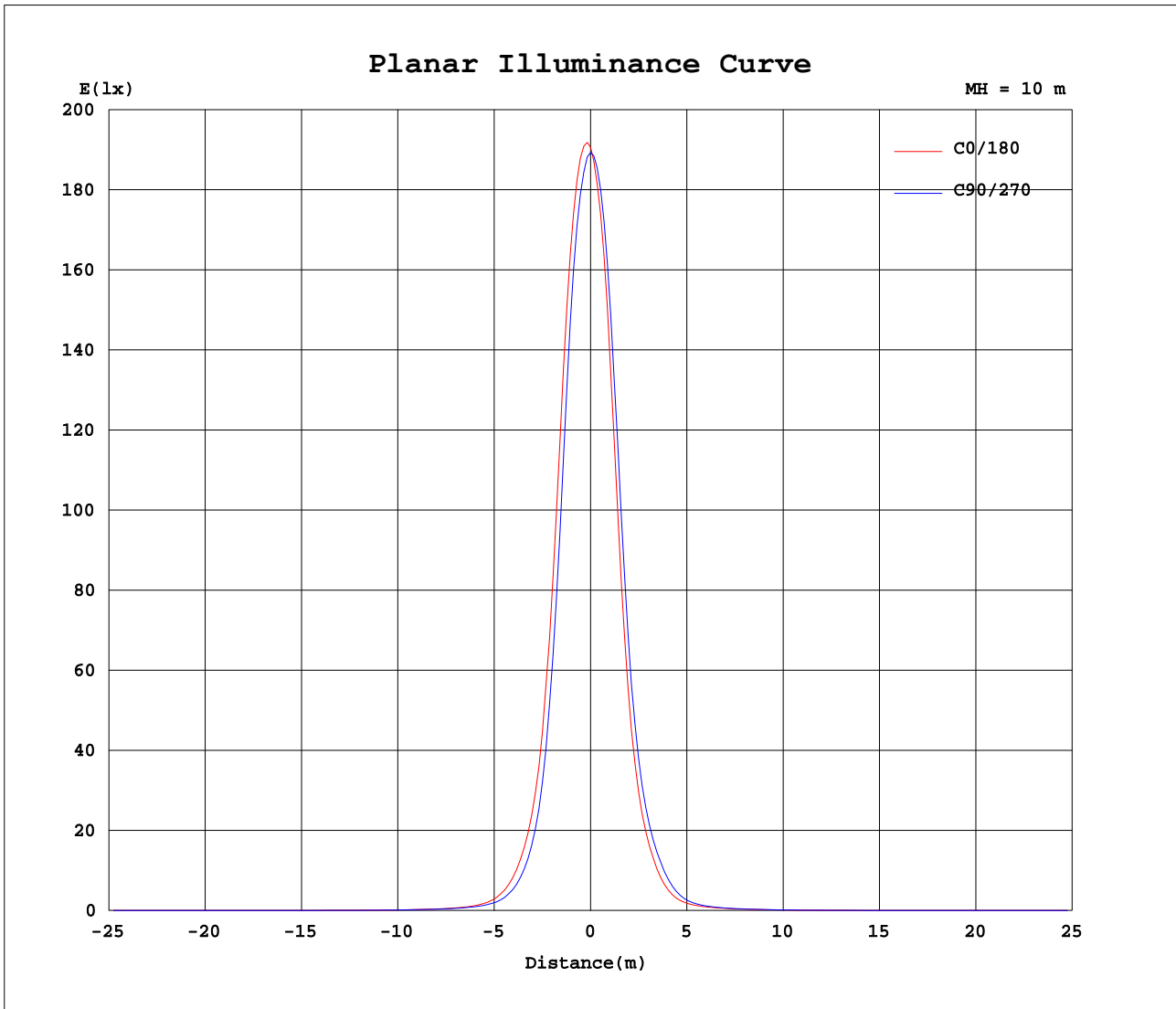
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1318A P:28.03W PF:0.9638 Lamp Flux:2656.22x1 lm		
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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	1906	1902	1902	1898	1897	1895	1893	1894	1892	1894	1893	1900	1906	1902	1902	1898	1897	1895	1893
5	1763	1768	1747	1732	1695	1670	1621	1594	1547	1530	1498	1509	1523	1514	1536	1544	1577	1593	1634
10	1045	1058	1015	991	923	890	820	789	735	718	682	699	718	712	747	753	800	816	878
15	400	406	386	373	335	316	282	273	257	254	237	256	269	278	304	311	329	329	347
20	154	158	149	143	123	114	99.7	96.6	92.8	91.8	83.5	93.8	99.8	107	123	130	140	138	146
25	56.3	55.0	51.9	48.8	43.3	40.2	35.9	34.2	32.1	31.4	30.0	32.4	33.7	35.4	39.7	42.5	46.0	47.0	50.7
30	22.6	22.5	21.6	20.9	19.4	18.5	17.4	17.1	16.3	16.1	15.6	16.1	16.4	16.8	17.9	18.6	19.6	19.8	21.0
35	12.2	12.3	12.0	11.7	11.2	10.8	10.4	10.4	10.2	10.1	9.89	10.0	10.1	10.4	10.8	11.0	11.5	11.5	12.0
40	7.63	7.67	7.49	7.43	7.18	6.89	6.71	6.73	6.58	6.53	6.50	6.54	6.61	6.77	6.97	7.11	7.41	7.44	7.65
45	4.75	4.83	4.70	4.66	4.51	4.36	4.24	4.25	4.17	4.16	4.11	4.15	4.19	4.24	4.36	4.41	4.63	4.65	4.78
50	2.95	2.97	2.88	2.86	2.79	2.73	2.62	2.59	2.52	2.50	2.47	2.49	2.55	2.54	2.60	2.63	2.76	2.86	2.92
55	1.83	1.82	1.77	1.75	1.71	1.71	1.65	1.60	1.54	1.53	1.49	1.51	1.56	1.54	1.57	1.58	1.65	1.70	1.75
60	1.13	1.13	1.10	1.08	1.06	1.06	1.01	0.97	0.94	0.92	0.89	0.89	0.93	0.92	0.95	0.96	1.01	1.04	1.07
65	0.55	0.55	0.53	0.52	0.50	0.50	0.46	0.44	0.42	0.41	0.38	0.37	0.40	0.40	0.43	0.44	0.47	0.48	0.51
70	0.14	0.15	0.13	0.12	0.10	0.09	0.07	0.06	0.05	0.05	0.04	0.04	0.05	0.04	0.05	0.06	0.07	0.08	0.11
75	0.03	0.02	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	0.02	0.02	0.02	0.02
80	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	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
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:2017-05-18

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:0.1318A P:28.03W PF:0.9638 Lamp Flux:2656.22x1 lm		
NAME: FURE M-28W-930-18	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ90mm*H220mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1894	1892	1894	1893	1900														
5	1659	1701	1724	1753	1761														
10	908	978	1004	1058	1051														
15	354	383	389	409	394														
20	144	161	161	161	148														
25	51.6	57.9	60.2	58.9	55.1														
30	21.6	23.2	23.5	23.9	22.4														
35	12.4	13.0	13.0	13.1	12.3														
40	7.91	8.12	8.05	8.06	7.69														
45	4.88	4.97	4.87	4.92	4.79														
50	2.93	3.00	2.97	3.02	2.97														
55	1.75	1.80	1.80	1.85	1.85														
60	1.07	1.11	1.11	1.13	1.14														
65	0.52	0.55	0.55	0.57	0.56														
70	0.11	0.14	0.14	0.16	0.15														
75	0.02	0.02	0.02	0.02	0.02														
80	0.02	0.01	0.02	0.01	0.02														
85	0.01	0.01	0.01	0.01	0.01														
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:2017-05-18

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	19063	19025	19018	18981	18972	18950	18932	18936	18916	18939
3.0	18868	18868	18756	18631	18410	18233	17956	17798	17528	17421
6.0	16654	16721	16504	16324	15832	15512	14925	14598	14036	13724
9.0	12192	12345	11891	11704	10965	10623	9817	9518	8875	8724
12.0	7293	7376	7026	6828	6386	6001	5546	5246	4849	4754
15.0	3996	4058	3864	3734	3348	3162	2820	2733	2568	2536
18.0	2249	2290	2189	2090	1848	1728	1511	1500	1416	1428
21.0	1258	1274	1215	1144	994.8	924.3	804.5	779.0	741.1	732.5
24.0	677.4	680.5	638.3	604.1	542.8	489.9	432.8	412.8	386.2	378.9
27.0	372.9	370.3	350.1	332.1	300.6	283.1	258.3	249.3	235.9	231.4
30.0	226.4	225.2	215.8	208.5	193.6	184.8	173.6	170.7	163.4	160.9
33.0	152.7	152.7	147.4	144.6	137.1	132.4	125.9	125.0	121.7	119.8
36.0	110.4	110.8	108.3	106.6	102.2	98.06	95.24	95.32	93.48	92.46
39.0	83.51	83.96	82.23	81.36	78.46	75.28	73.43	73.69	72.24	71.49
42.0	62.90	63.56	61.82	61.47	58.93	56.71	55.04	55.10	54.02	54.08
45.0	47.53	48.34	46.98	46.61	45.13	43.59	42.37	42.51	41.66	41.55
48.0	36.09	36.52	35.21	34.85	33.76	32.65	31.34	31.12	30.32	30.14
51.0	26.96	27.13	26.30	26.12	25.55	25.08	24.07	23.64	22.95	22.69
54.0	20.18	20.17	19.45	19.28	18.81	18.73	18.13	17.61	17.04	16.86
57.0	15.07	14.91	14.52	14.36	14.11	14.20	13.68	13.24	12.86	12.70
60.0	11.31	11.25	10.95	10.81	10.55	10.61	10.06	9.708	9.350	9.205
63.0	7.664	7.600	7.305	7.176	6.919	6.897	6.404	6.180	5.953	5.825
66.0	4.626	4.620	4.407	4.312	4.151	4.142	3.759	3.632	3.415	3.377
69.0	2.265	2.317	2.092	1.981	1.795	1.697	1.339	1.278	1.099	1.034
72.0	0.4718	0.4555	0.4078	0.3687	0.3389	0.3057	0.3032	0.2708	0.2783	0.2490
75.0	0.2692	0.2447	0.2539	0.2272	0.2451	0.2120	0.2277	0.2010	0.2123	0.1814
78.0	0.2145	0.1835	0.1970	0.1727	0.1904	0.1660	0.1816	0.1508	0.1641	0.1377
81.0	0.1729	0.1464	0.1597	0.1333	0.1575	0.1354	0.1488	0.1180	0.1357	0.1158
84.0	0.1422	0.1180	0.1356	0.1071	0.1291	0.1049	0.1269	0.1104	0.1181	0.1093
87.0	0.1247	0.1071	0.1159	0.1028	0.1116	0.1028	0.1137	0.1028	0.1028	0.1028
90.0	0.1137	0.1093	0.1050	0.1050	0.1028	0.1028	0.1050	0.1050	0.1028	0.1028
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	18925	19004	19063	19025	19018	18981	18972	18950	18932	18936
3.0	17244	17323	17442	17385	17512	17554	17734	17829	18070	18220
6.0	13427	13468	13633	13627	13806	13997	14407	14595	15107	15415
9.0	8285	8492	8648	8551	8908	8985	9487	9699	10377	10710
12.0	4489	4669	4823	4857	5160	5233	5543	5727	6051	6395
15.0	2374	2555	2686	2784	3041	3113	3285	3290	3475	3541
18.0	1281	1448	1543	1617	1815	1890	1998	1994	2069	2079
21.0	669.7	753.2	799.6	858.2	990.5	1052	1126	1127	1190	1184
24.0	357.7	392.5	410.4	434.2	493.8	544.0	574.4	600.1	631.9	641.3
27.0	222.5	236.0	242.6	250.3	273.1	289.6	309.9	316.1	339.1	349.1
30.0	155.9	161.3	163.8	167.8	179.3	185.9	195.8	198.1	209.6	216.3
33.0	117.3	119.4	120.5	123.8	131.0	133.6	139.9	140.2	146.3	151.4
36.0	91.11	92.07	92.71	95.05	98.63	100.7	104.6	105.0	108.8	112.3
39.0	71.05	71.55	71.98	73.98	76.11	77.58	80.64	80.89	83.30	86.23
42.0	53.59	54.23	54.78	55.57	57.31	58.02	60.88	60.90	63.05	65.24
45.0	41.10	41.48	41.94	42.38	43.63	44.11	46.28	46.46	47.78	48.75
48.0	29.87	30.20	30.65	30.75	31.64	32.06	33.82	34.49	35.57	36.29
51.0	22.40	22.59	23.26	23.11	23.61	23.85	25.01	26.03	26.75	26.56
54.0	16.53	16.67	17.22	17.03	17.31	17.46	18.18	18.83	19.24	19.26
57.0	12.40	12.49	12.89	12.72	12.93	13.07	13.54	13.96	14.28	14.26
60.0	8.874	8.937	9.284	9.185	9.486	9.587	10.05	10.44	10.73	10.70
63.0	5.474	5.429	5.721	5.753	6.064	6.189	6.536	6.822	7.193	7.178
66.0	3.048	2.998	3.202	3.264	3.508	3.601	3.851	3.969	4.286	4.317
69.0	0.7906	0.7775	0.8896	0.9094	1.189	1.272	1.450	1.557	1.878	1.965
72.0	0.2608	0.2337	0.2424	0.2541	0.2402	0.2699	0.2705	0.3053	0.3464	0.3775
75.0	0.1970	0.1726	0.1792	0.1948	0.1725	0.1948	0.1770	0.2057	0.1966	0.2254
78.0	0.1597	0.1333	0.1420	0.1575	0.1333	0.1553	0.1355	0.1619	0.1442	0.1707
81.0	0.1291	0.1121	0.1331	0.1400	0.1256	0.1334	0.1272	0.1378	0.1242	0.1422
84.0	0.1138	0.1074	0.1321	0.1290	0.1208	0.1203	0.1183	0.1225	0.1168	0.1203
87.0	0.1050	0.1028	0.1312	0.1224	0.1159	0.1137	0.1093	0.1115	0.1093	0.1115
90.0	0.1028	0.1028	0.1356	0.1224	0.1203	0.1115	0.1115	0.1093	0.1093	0.1093
G/C	300.0	315.0	330.0	345.0						
0.0	18916	18939	18925	19004						
3.0	18446	18571	18730	18811						
6.0	15923	16190	16558	16645						
9.0	11428	11710	12275	12235						
12.0	6796	7002	7412	7319						
15.0	3834	3890	4092	3943						
18.0	2267	2275	2335	2186						
21.0	1333	1339	1325	1216						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-05-18

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	721.0	727.0	725.3	660.7
27.0	383.9	390.7	396.3	367.0
30.0	232.1	234.9	238.7	224.2
33.0	159.5	160.2	161.9	152.5
36.0	116.8	117.1	117.2	111.0
39.0	88.78	88.33	88.37	84.16
42.0	66.91	66.13	66.50	63.60
45.0	49.72	48.67	49.23	47.87
48.0	37.10	36.53	37.24	36.46
51.0	27.20	27.01	27.55	27.10
54.0	19.94	19.93	20.51	20.43
57.0	14.69	14.79	15.13	15.21
60.0	11.07	11.10	11.34	11.41
63.0	7.545	7.605	7.820	7.833
66.0	4.605	4.632	4.784	4.713
69.0	2.234	2.252	2.413	2.330
72.0	0.4116	0.4278	0.4553	0.4625
75.0	0.2097	0.2386	0.2228	0.2495
78.0	0.1529	0.1816	0.1682	0.1926
81.0	0.1267	0.1487	0.1311	0.1597
84.0	0.1123	0.1247	0.1197	0.1378
87.0	0.1071	0.1137	0.1093	0.1203
90.0	0.1093	0.1093	0.1093	0.1181

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-18

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: