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LED Downlight FUSION Series LE-FF3-7W-940-24D  
Black

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Light Output Ratio:	100.0%	
Luminaire Power:	7.72 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

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C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-09

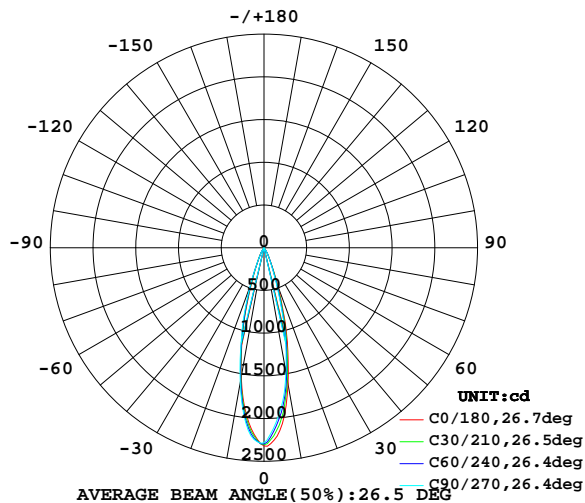
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

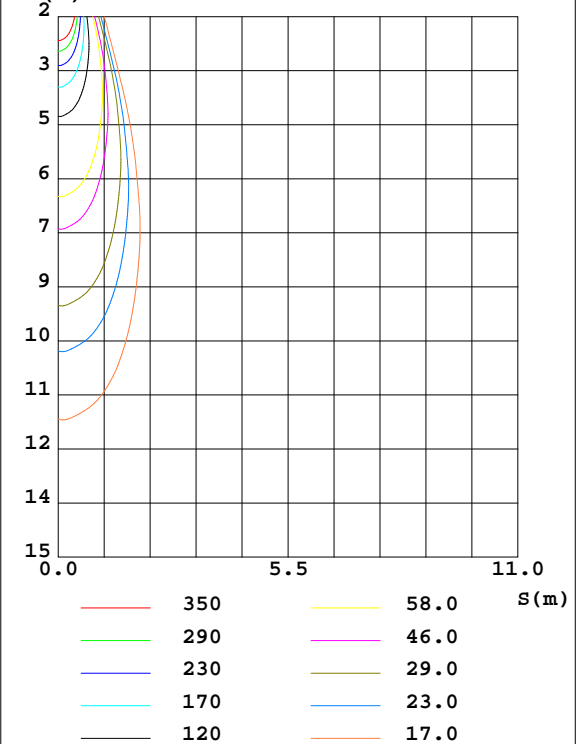
Test:U:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
NAME: FF3-7W-940-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.33 lm/W			
MODEL	CREE-4000K	I <sub>max</sub> (cd)	2323	S/MH(C0/180)	0.44
NOMINAL POWER(W)	8.5	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	542.96	η UP,DN(C0-180)	0.0,48.6
NOMINAL FLUX(lm)	542.957	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.4
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

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:Meng Yongjian  
 Test Date:2017-06-09

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	1625	1566	1487	1470	1538	1544	1606	1652	0- 10	181.2	181.2	33.4,33.4
20	478.3	438.7	380.4	371.4	403.9	429.4	473.0	519.4	10- 20	255.5	436.6	80.4,80.4
30	85.14	87.45	83.14	80.86	80.30	76.43	76.29	83.18	20- 30	88.72	525.4	96.8,96.8
40	5.503	5.063	3.694	3.721	4.362	4.550	5.435	5.581	30- 40	16.74	542.1	99.8,99.8
50	0.2145	0.2381	0.2758	0.2491	0.1857	0.2079	0.1922	0.2144	40- 50	0.5907	542.7	99.9,99.9
60	0.1028	0.1092	0.1466	0.1158	0.0787	0.0984	0.0851	0.1050	50- 60	0.1373	542.8	100,100
70	0.0547	0.0524	0.0875	0.0590	0.0306	0.0590	0.0371	0.0612	60- 70	0.0761	542.9	100,100
80	0.0307	0.0306	0.0460	0.0284	0.0131	0.0350	0.0153	0.0306	70- 80	0.0439	542.9	100,100
90	0.0175	0.0175	0.0175	0.0131	0.0131	0.0131	0.0109	0.0153	80- 90	0.0228	543.0	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		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	46	80
80	40	60
75	36	57
70	36	58
65	41	60
60	47	66
55	56	78
50	76	97
45	110	136

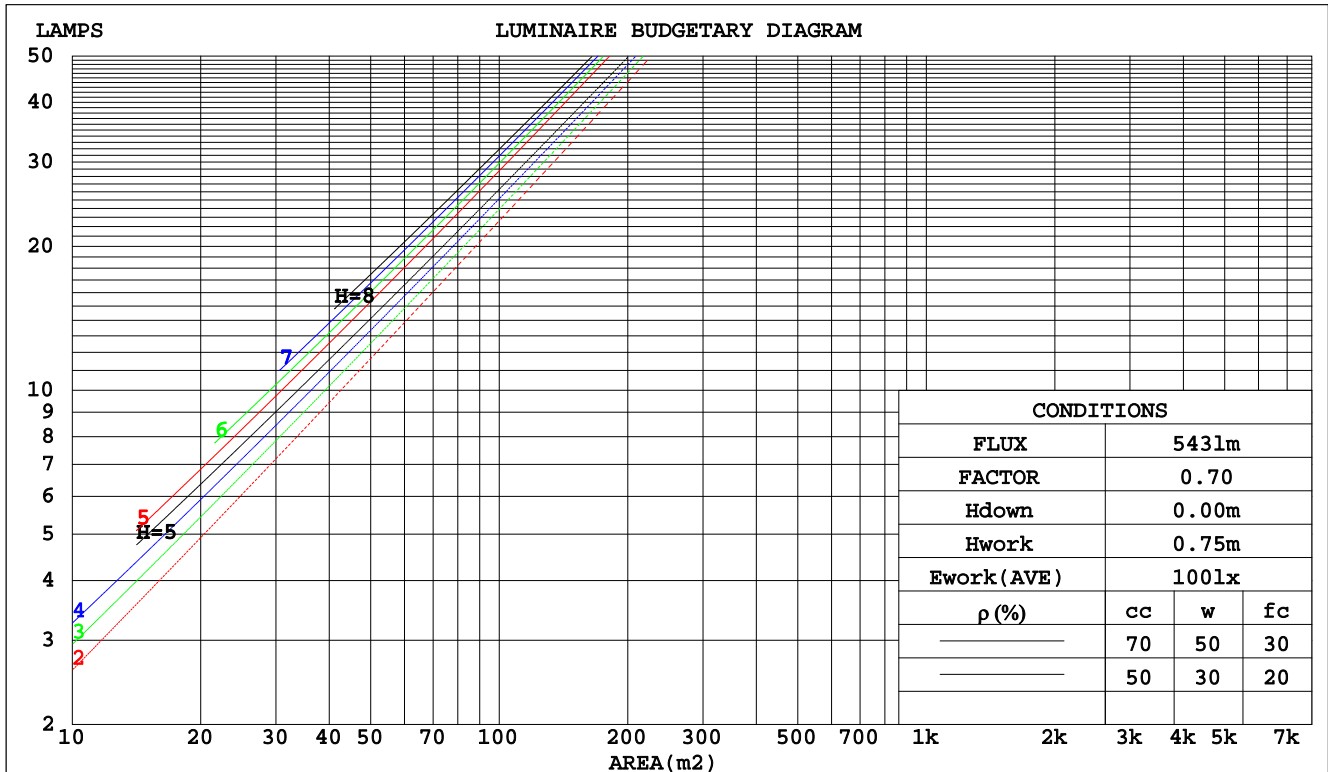
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-09

$\gamma$  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:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
NAME: FF3-7W-940-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.:		

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						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	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.95	.97	.95	.93	.95	.93	.92	.90
4.0	.99	.95	.92	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85
6.0	.92	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82
7.0	.89	.85	.82	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.80
8.0	.87	.82	.80	.86	.82	.79	.85	.82	.79	.84	.81	.79	.83	.81	.79	.78
9.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.76	.75
10.0	.82	.78	.75	.81	.77	.75	.81	.77	.75	.80	.77	.75	.79	.76	.74	.73



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 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

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MFR.:					

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	.136	.077	.024	.129	.074	.023	.117	.067	.021	.105	.061	.020	.095	.055	.018		
2.0	.126	.069	.021	.120	.066	.020	.110	.061	.019	.101	.056	.018	.092	.052	.016		
3.0	.117	.062	.019	.113	.060	.018	.104	.056	.017	.096	.053	.016	.089	.049	.015		
4.0	.110	.057	.017	.106	.056	.016	.099	.052	.016	.092	.050	.015	.086	.047	.014		
5.0	.104	.053	.015	.100	.052	.015	.094	.049	.014	.089	.047	.014	.083	.045	.013		
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013	.081	.042	.013		
7.0	.093	.046	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012	.078	.041	.012		
8.0	.089	.044	.012	.087	.043	.012	.083	.042	.012	.079	.040	.012	.076	.039	.011		
9.0	.085	.041	.012	.084	.041	.011	.080	.040	.011	.077	.038	.011	.073	.037	.011		
10.0	.082	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010		

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	.168	.158	.148	.144	.135	.127	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.105	.085	.069	.072	.059	.048	.042	.035	.029	.013	.011	.009	
5.0	.112	.086	.066	.096	.074	.057	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.103	.076	.056	.089	.065	.049	.061	.046	.034	.035	.027	.020	.011	.009	.007	
7.0	.096	.067	.048	.082	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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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:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm										
NAME: FF3-7W-940-24D Black					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: L98mm*W45mm*H60mm					
MFR.:										
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	4.8	5.4	5.0	5.6	5.7	3.9	4.5	4.1	4.7	4.8
3H	4.6	5.2	4.9	5.4	5.6	3.8	4.4	4.0	4.5	4.7
4H	4.6	5.1	4.8	5.3	5.5	3.7	4.3	3.9	4.5	4.7
6H	4.5	5.0	4.7	5.2	5.5	3.6	4.1	3.9	4.4	4.6
8H	4.4	4.9	4.7	5.2	5.4	3.6	4.1	3.8	4.3	4.6
12H	4.4	4.9	4.7	5.1	5.4	3.5	4.0	3.8	4.3	4.5
4H 2H	4.6	5.1	4.8	5.3	5.5	3.7	4.2	3.9	4.5	4.7
3H	4.4	4.9	4.7	5.1	5.4	3.5	4.0	3.8	4.3	4.5
4H	4.3	4.7	4.6	5.0	5.3	3.4	3.9	3.7	4.2	4.5
6H	4.2	4.6	4.5	4.9	5.3	3.3	3.7	3.7	4.0	4.4
8H	4.1	4.5	4.5	4.9	5.2	3.3	3.6	3.6	4.0	4.3
12H	4.1	4.4	4.5	4.8	5.2	3.2	3.6	3.6	3.9	4.3
8H 4H	4.1	4.5	4.5	4.9	5.2	3.3	3.6	3.6	4.0	4.3
6H	4.0	4.3	4.4	4.7	5.1	3.1	3.5	3.6	3.9	4.3
8H	4.0	4.2	4.4	4.7	5.1	3.1	3.4	3.5	3.8	4.2
12H	3.9	4.1	4.4	4.6	5.0	3.0	3.3	3.5	3.7	4.2
12H 4H	4.1	4.4	4.5	4.8	5.2	3.2	3.5	3.6	3.9	4.3
6H	4.0	4.2	4.4	4.6	5.1	3.1	3.4	3.5	3.8	4.2
8H	3.9	4.1	4.4	4.6	5.0	3.0	3.3	3.5	3.7	4.2
Variations with the observer position at spacings:										
S = 1.0H	+ 4.3 / -13.7					+ 4.0 / -10.8				
1.5H	+ 7.0 / -12.8					+ 6.8 / -10.3				
2.0H	+ 1.8 / - 1.0					+ 1.7 / - 1.0				

CIE Pub.117 Corrected 543.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.1)

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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:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
NAME: FF3-7W-940-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.:		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	92	86	83	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	89	86
1.00	102	97	94	101	97	94	100	96	93	90
1.25	105	101	98	104	100	98	103	99	97	93
1.50	108	104	101	107	103	100	105	102	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	104	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	108	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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MFR.:		

Conical surface Flux(90deg):

542.56 lm

%lum = 99.9%

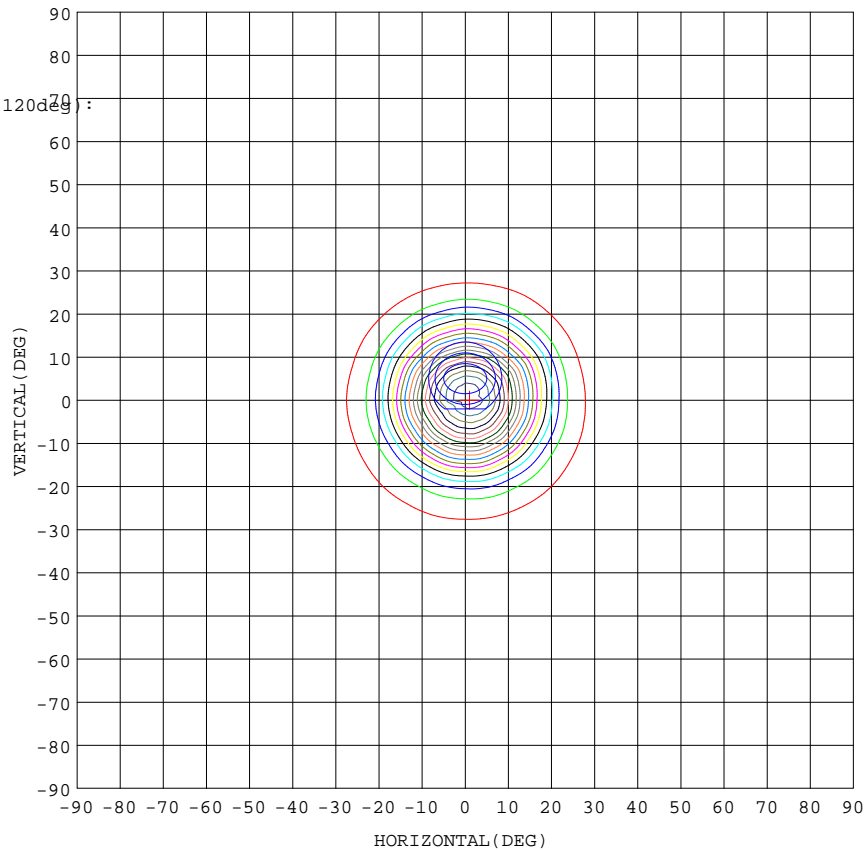
%lamp = 99.9%

Conical surface Flux(120deg):

542.81 lm

%lum = 100.0%

%lamp = 100.0%



1. AVG=2061,MIN=1773
2. AVG=1972,MIN=1465
3. AVG=1860,MIN=1159

Imax:2323(H1.0,V0.0)  
(At:C=0.0,Gamma=1.0)

UNIT: cd

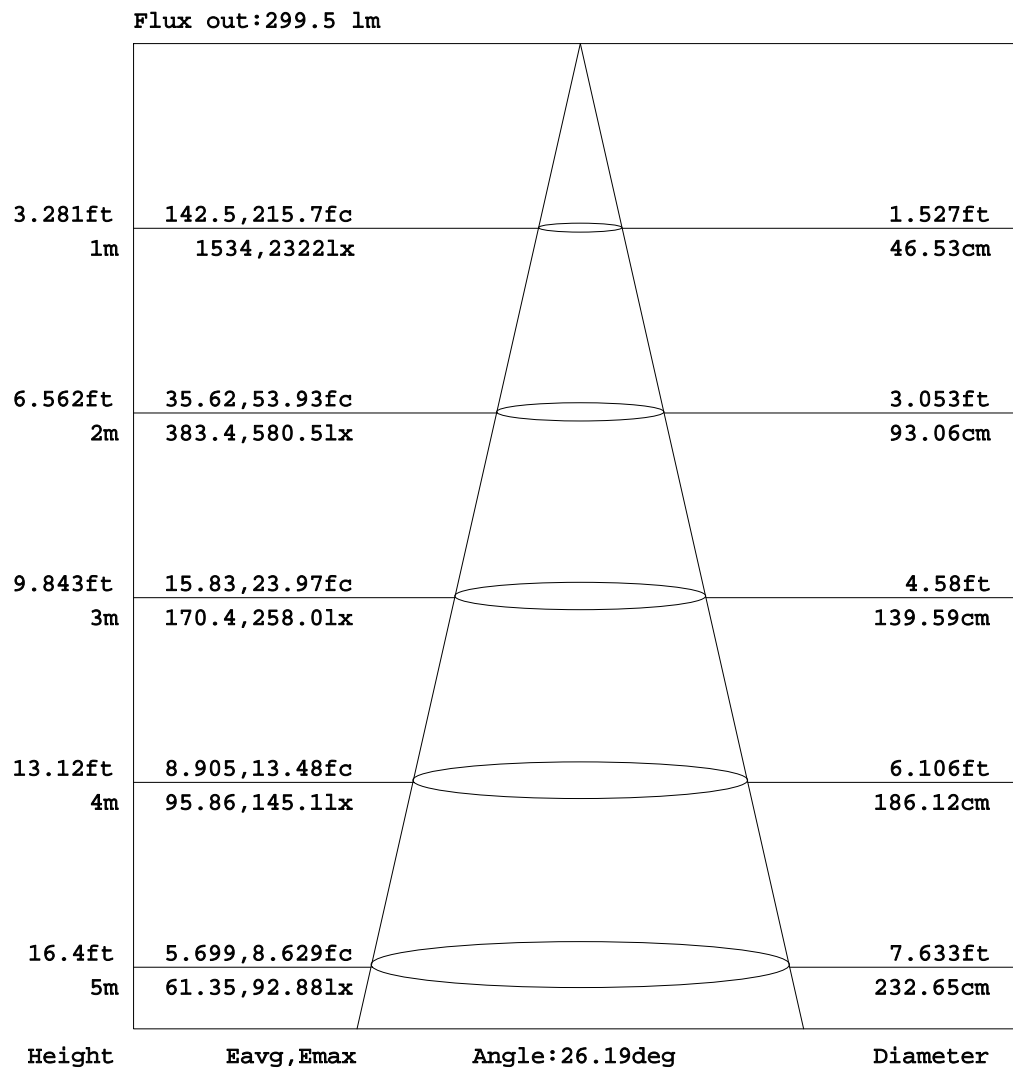
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## AAI Figure

Test:U:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
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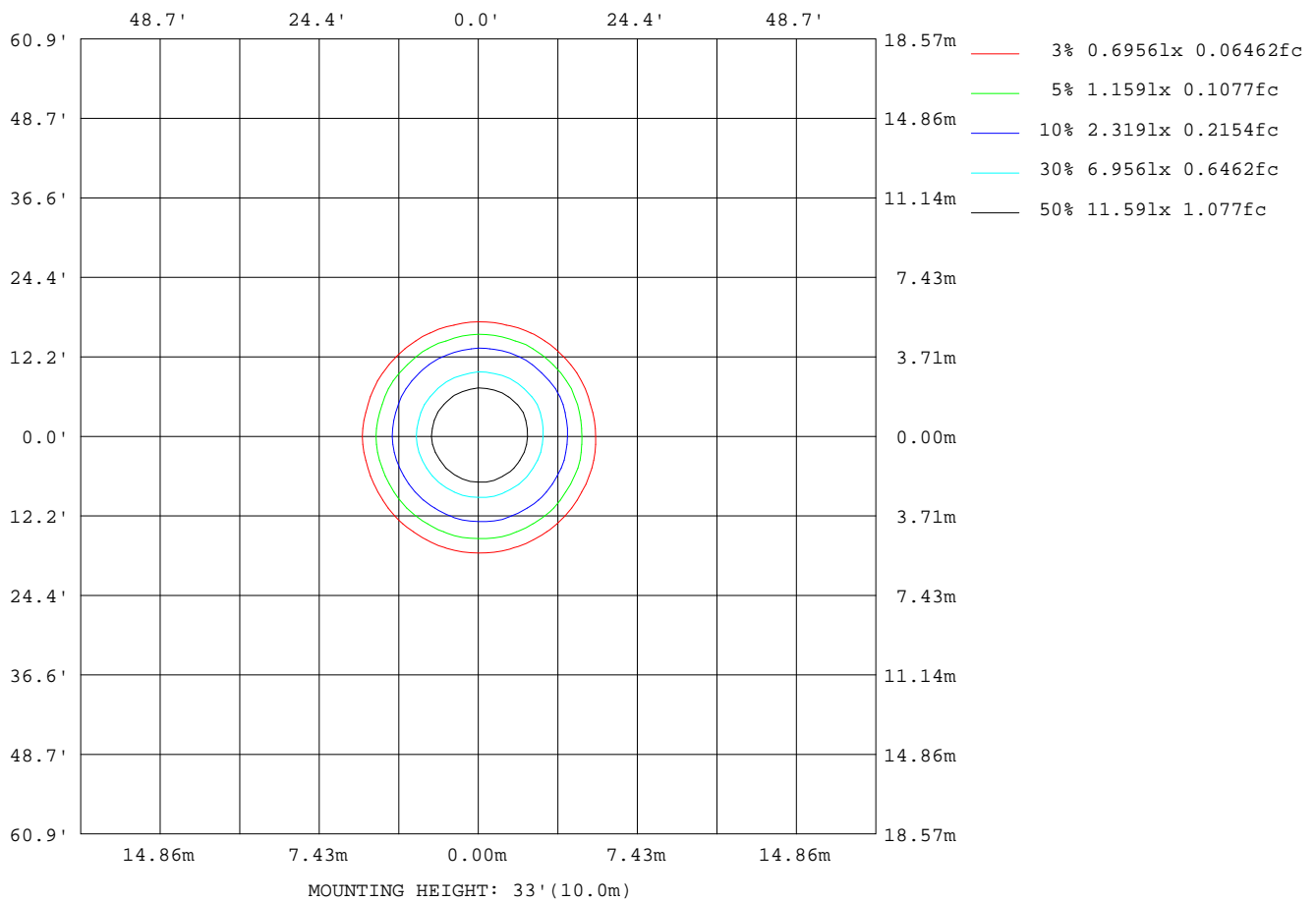
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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## ISOLUX DIAGRAM

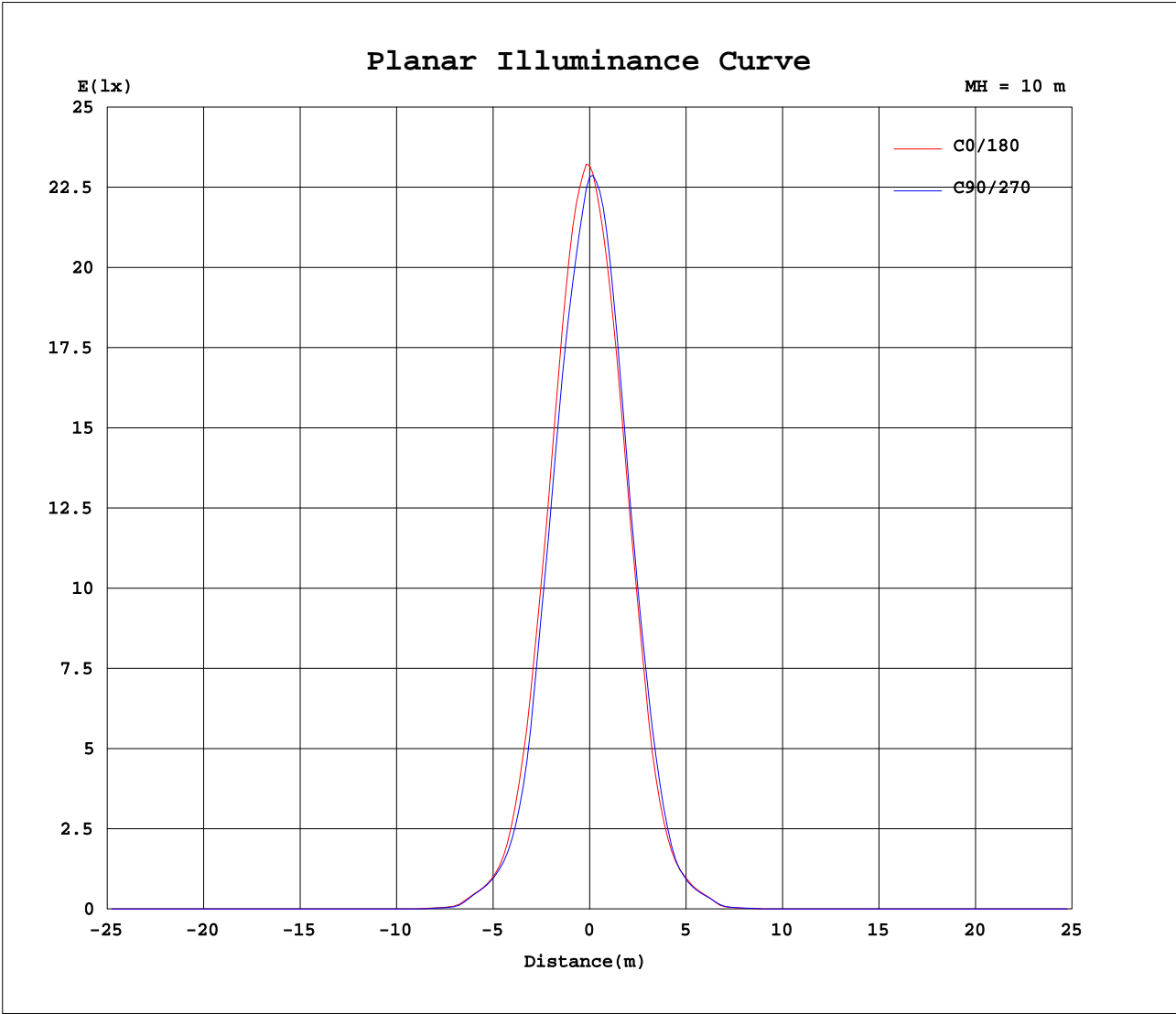
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Planar Illuminance Curve



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## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
NAME: FF3-7W-940-24D Black	TYPE:Downlight	SERIAL No.:
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Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-09

```

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:220.8V I:0.0432A P:7.720W PF:0.8100 Lamp Flux:542.957x1 lm		
NAME: FF3-7W-940-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.:		

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-09

```

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	2319	2312	2306	2302	2297	2287	2283	2281	2276	2274
3.0	2255	2241	2204	2183	2154	2141	2117	2111	2097	2102
6.0	2068	2046	1998	1976	1940	1930	1897	1892	1873	1882
9.0	1747	1737	1694	1684	1643	1641	1603	1604	1577	1589
12.0	1367	1360	1321	1318	1279	1280	1244	1247	1223	1233
15.0	1008	1000	964.9	959.4	923.7	923.8	891.2	895.6	874.2	885.2
18.0	658.2	648.1	621.9	606.9	581.0	566.4	536.7	536.9	517.3	529.4
21.0	400.2	396.9	375.2	369.6	344.6	339.4	320.4	317.2	305.2	311.4
24.0	218.8	220.8	213.3	213.4	204.5	203.0	194.0	192.7	186.2	187.9
27.0	131.6	136.7	132.3	135.7	130.1	131.3	126.2	127.7	121.7	122.3
30.0	85.14	87.32	86.33	87.45	85.66	84.80	83.14	83.44	81.25	80.86
33.0	43.56	46.07	43.48	45.02	41.89	40.29	37.00	38.71	36.56	36.94
36.0	13.16	13.51	12.92	13.18	12.07	11.56	10.82	10.90	10.67	10.71
39.0	7.068	7.010	6.876	6.957	6.188	5.754	5.390	5.295	5.242	5.463
42.0	0.6953	0.7290	0.7653	0.7858	0.8133	0.7903	0.7668	0.7662	0.7780	0.7508
45.0	0.3439	0.3429	0.3854	0.3866	0.4358	0.4194	0.4248	0.4129	0.4291	0.3954
48.0	0.2539	0.2469	0.2845	0.2818	0.3304	0.3081	0.3217	0.3081	0.3282	0.2950
51.0	0.1970	0.1835	0.2254	0.2163	0.2583	0.2381	0.2561	0.2382	0.2648	0.2294
54.0	0.1554	0.1420	0.1816	0.1683	0.2123	0.1879	0.2079	0.1923	0.2123	0.1814
57.0	0.1247	0.1092	0.1488	0.1377	0.1728	0.1508	0.1707	0.1551	0.1794	0.1442
60.0	0.1028	0.0830	0.1182	0.1092	0.1444	0.1245	0.1466	0.1246	0.1488	0.1158
63.0	0.0875	0.0656	0.0985	0.0809	0.1204	0.0983	0.1225	0.1027	0.1247	0.0896
66.0	0.0700	0.0524	0.0832	0.0677	0.1028	0.0830	0.1050	0.0830	0.1050	0.0721
69.0	0.0569	0.0393	0.0700	0.0568	0.0897	0.0656	0.0919	0.0699	0.0897	0.0612
72.0	0.0503	0.0306	0.0591	0.0437	0.0744	0.0568	0.0787	0.0611	0.0744	0.0480
75.0	0.0416	0.0284	0.0547	0.0328	0.0656	0.0415	0.0656	0.0437	0.0613	0.0371
78.0	0.0350	0.0284	0.0459	0.0284	0.0525	0.0306	0.0547	0.0306	0.0525	0.0306
81.0	0.0263	0.0175	0.0394	0.0262	0.0481	0.0284	0.0459	0.0306	0.0416	0.0262
84.0	0.0175	0.0175	0.0328	0.0175	0.0350	0.0175	0.0329	0.0175	0.0329	0.0131
87.0	0.0175	0.0175	0.0241	0.0175	0.0241	0.0175	0.0263	0.0175	0.0241	0.0131
90.0	0.0175	0.0175	0.0197	0.0175	0.0197	0.0175	0.0175	0.0175	0.0175	0.0131
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2242	2247	2319	2312	2306	2297	2287	2283	2281	2274
3.0	2078	2103	2188	2194	2210	2214	2233	2230	2247	2254
6.0	1869	1904	1969	1973	2003	2006	2032	2029	2059	2063
9.0	1576	1617	1659	1654	1681	1675	1702	1696	1732	1738
12.0	1222	1260	1283	1273	1297	1285	1310	1305	1342	1349
15.0	878.6	911.2	925.1	912.6	937.2	928.6	955.6	950.3	985.7	995.3
18.0	524.9	550.5	571.1	576.0	593.8	602.6	622.9	627.1	657.7	670.2
21.0	309.9	324.2	338.1	336.7	353.6	354.4	371.2	367.2	390.3	401.5
24.0	186.9	191.6	196.1	191.3	196.7	192.7	196.5	194.4	203.2	206.3
27.0	119.1	120.0	127.1	119.9	120.7	117.7	117.6	117.1	119.4	121.6
30.0	78.09	78.21	80.30	77.91	78.48	76.43	77.14	76.14	76.29	78.05
33.0	33.22	32.46	37.30	34.77	37.13	35.56	38.14	37.32	39.93	39.95
36.0	9.642	8.931	10.20	10.17	10.96	11.13	12.02	11.80	11.86	12.10
39.0	4.928	4.338	5.291	5.422	6.202	6.132	6.952	6.436	6.749	6.748
42.0	0.7222	0.6458	0.6520	0.6540	0.6477	0.6522	0.6586	0.6902	0.6977	0.6929
45.0	0.3744	0.3211	0.3188	0.3349	0.3144	0.3349	0.3231	0.3437	0.3232	0.3502
48.0	0.2867	0.2338	0.2293	0.2429	0.2206	0.2451	0.2293	0.2538	0.2293	0.2560
51.0	0.2254	0.1770	0.1703	0.1860	0.1638	0.1904	0.1681	0.1948	0.1748	0.2013
54.0	0.1817	0.1333	0.1332	0.1466	0.1310	0.1509	0.1289	0.1575	0.1355	0.1641
57.0	0.1488	0.1070	0.0984	0.1203	0.1005	0.1203	0.1005	0.1269	0.1070	0.1334
60.0	0.1225	0.0830	0.0787	0.0984	0.0786	0.0984	0.0786	0.1028	0.0851	0.1094
63.0	0.1007	0.0656	0.0612	0.0831	0.0634	0.0853	0.0656	0.0875	0.0656	0.0941
66.0	0.0875	0.0546	0.0480	0.0678	0.0502	0.0722	0.0481	0.0766	0.0524	0.0788
69.0	0.0722	0.0415	0.0371	0.0569	0.0393	0.0591	0.0415	0.0612	0.0415	0.0635
72.0	0.0612	0.0306	0.0306	0.0525	0.0284	0.0547	0.0328	0.0547	0.0328	0.0590
75.0	0.0503	0.0328	0.0284	0.0437	0.0284	0.0481	0.0284	0.0459	0.0284	0.0503
78.0	0.0438	0.0218	0.0131	0.0350	0.0197	0.0394	0.0261	0.0394	0.0240	0.0394
81.0	0.0372	0.0153	0.0131	0.0284	0.0131	0.0328	0.0131	0.0350	0.0109	0.0328
84.0	0.0285	0.0153	0.0131	0.0241	0.0131	0.0284	0.0131	0.0263	0.0109	0.0284
87.0	0.0241	0.0153	0.0131	0.0197	0.0131	0.0197	0.0131	0.0197	0.0109	0.0175
90.0	0.0197	0.0197	0.0131	0.0153	0.0131	0.0131	0.0131	0.0131	0.0109	0.0131
G/C	300.0	315.0	330.0	345.0						
0.0	2276	2274	2242	2247						
3.0	2260	2252	2236	2214						
6.0	2090	2086	2089	2058						
9.0	1771	1776	1802	1764						
12.0	1390	1394	1433	1391						
15.0	1030	1038	1076	1038						
18.0	703.4	705.8	732.7	697.9						
21.0	429.1	430.6	452.1	427.2						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-09

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	220.3	221.5	233.1	224.8
27.0	129.9	129.1	135.7	129.7
30.0	82.52	83.18	84.61	82.94
33.0	44.58	42.68	41.67	42.09
36.0	12.81	12.51	11.92	12.23
39.0	7.429	7.103	6.928	6.724
42.0	0.7001	0.6821	0.6304	0.6513
45.0	0.3407	0.3459	0.3057	0.3174
48.0	0.2403	0.2538	0.2162	0.2363
51.0	0.1813	0.1991	0.1616	0.1816
54.0	0.1420	0.1554	0.1267	0.1444
57.0	0.1092	0.1291	0.0961	0.1160
60.0	0.0896	0.1050	0.0764	0.0963
63.0	0.0699	0.0853	0.0611	0.0788
66.0	0.0611	0.0744	0.0437	0.0678
69.0	0.0458	0.0634	0.0371	0.0547
72.0	0.0371	0.0547	0.0306	0.0481
75.0	0.0306	0.0481	0.0306	0.0394
78.0	0.0262	0.0394	0.0153	0.0350
81.0	0.0131	0.0306	0.0131	0.0328
84.0	0.0131	0.0241	0.0131	0.0241
87.0	0.0131	0.0218	0.0131	0.0197
90.0	0.0131	0.0153	0.0131	0.0153

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-09

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: