

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365834

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3863.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

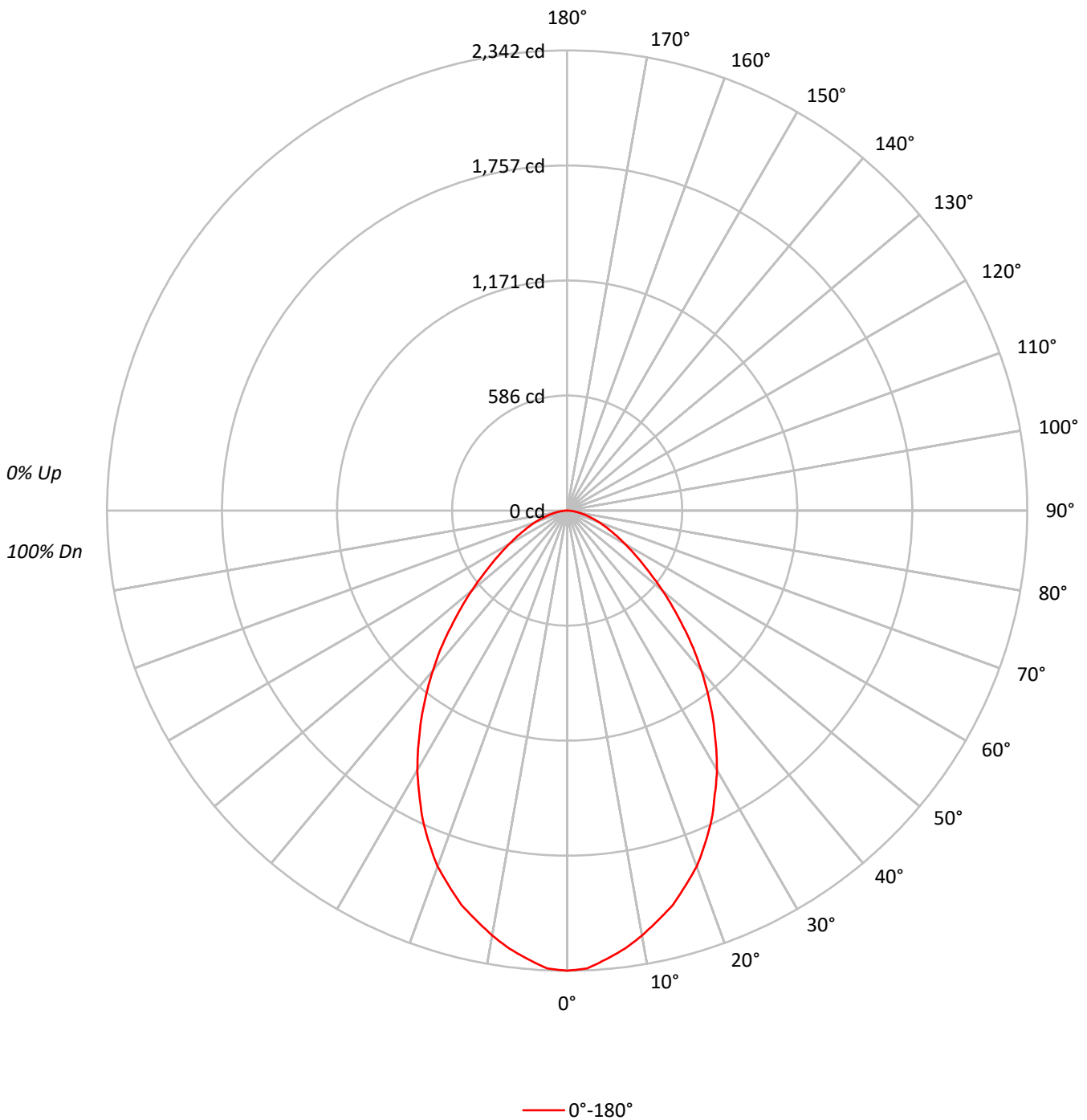
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365834

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

### Luminous Intensity Polar Plot





TEST NUMBER: P365834

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	167684
5°	164717
10°	159656
15°	154074
20°	146885
25°	137348
30°	126118
35°	113030
40°	99377
45°	84623
50°	70690
55°	57998
60°	48689
65°	41390
70°	36092
75°	30487
80°	24699
85°	19635



TEST NUMBER: P365834

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.9	5.6
10°-20°	582.8	15.1
20°-30°	796.1	20.6
30°-40°	806.9	20.9
40°-50°	647.1	16.8
50°-60°	421.5	10.9
60°-70°	246.1	6.4
70°-80°	118.3	3.1
80°-90°	28.3	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1594.8	41.3
0°-40°	2401.6	62.2
0°-60°	3470.2	89.8
0°-90°	3863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3863.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2342	
5°	2292	216
15°	2078	583
25°	1738	796
35°	1293	807
45°	836	647
55°	465	422
65°	244	246
75°	110	118
85°	24	28
90°	0	



TEST NUMBER: P365834

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2341.9
2.5°	2332.4
5°	2291.7
7.5°	2248.6
10°	2195.9
12.5°	2136.0
15°	2078.5
17.5°	2001.9
20°	1927.7
22.5°	1834.3
25°	1738.5
27.5°	1628.3
30°	1525.4
32.5°	1408.0
35°	1293.1
37.5°	1178.2
40°	1063.2
42.5°	950.7
45°	835.7
47.5°	730.4
50°	634.6
52.5°	541.2
55°	464.6
57.5°	397.5
60°	340.0
62.5°	289.7
65°	244.3
67.5°	205.9
70°	172.4
72.5°	138.9
75°	110.2
77.5°	83.8
80°	59.9
82.5°	40.7
85°	23.9
87.5°	9.6
90°	0.0

(END OF REPORT)