

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: P365300

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 934.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

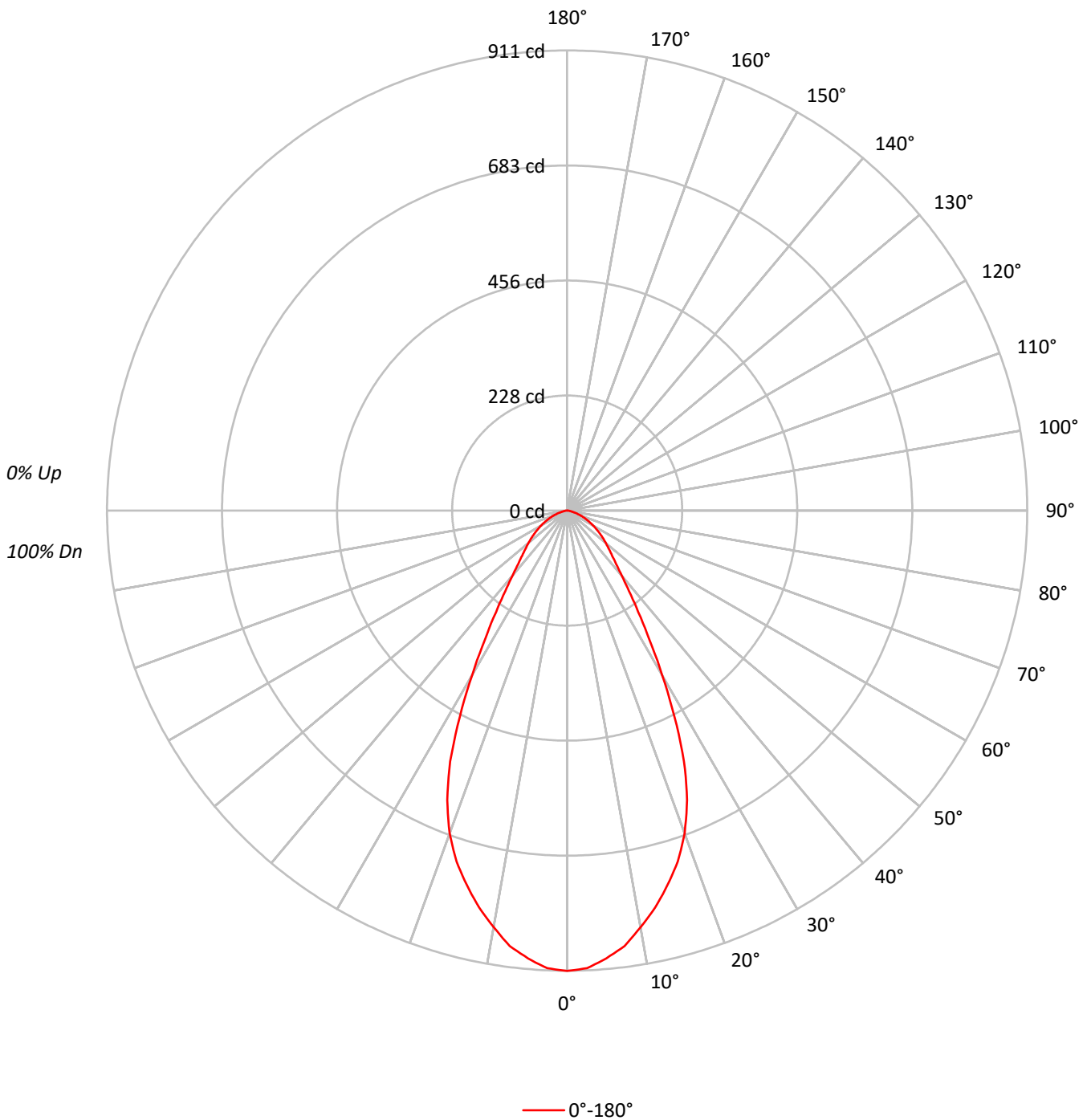
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365300

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P365300

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV

**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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	65251
5°	63962
10°	60899
15°	56878
20°	51822
25°	43263
30°	31104
35°	21468
40°	15694
45°	12718
50°	11106
55°	9824
60°	8564
65°	7268
70°	5841
75°	4122
80°	2886
85°	3286



TEST NUMBER: P365300

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	8.9
10°-20°	214.6	23.0
20°-30°	245.3	26.3
30°-40°	157.8	16.9
40°-50°	98.9	10.6
50°-60°	70.6	7.6
60°-70°	42.8	4.6
70°-80°	16.8	1.8
80°-90°	3.8	0.4
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°	543.3	58.2
0°-40°	701.1	75.1
0°-60°	870.6	93.2
0°-90°	934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	911	
5°	890	83
15°	767	215
25°	548	245
35°	246	158
45°	126	99
55°	79	71
65°	43	43
75°	15	17
85°	4	4
90°	0	



TEST NUMBER: P365300

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	911.3
2.5°	906.8
5°	889.9
7.5°	869.5
10°	837.6
12.5°	805.2
15°	767.3
17.5°	728.5
20°	680.1
22.5°	620.3
25°	547.6
27.5°	459.9
30°	376.2
32.5°	302.4
35°	245.6
37.5°	200.8
40°	167.9
42.5°	143.5
45°	125.6
47.5°	111.6
50°	99.7
52.5°	89.2
55°	78.7
57.5°	68.8
60°	59.8
62.5°	51.3
65°	42.9
67.5°	35.4
70°	27.9
72.5°	20.9
75°	14.9
77.5°	10.5
80°	7.0
82.5°	4.5
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)