

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: P365283

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 870.0 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

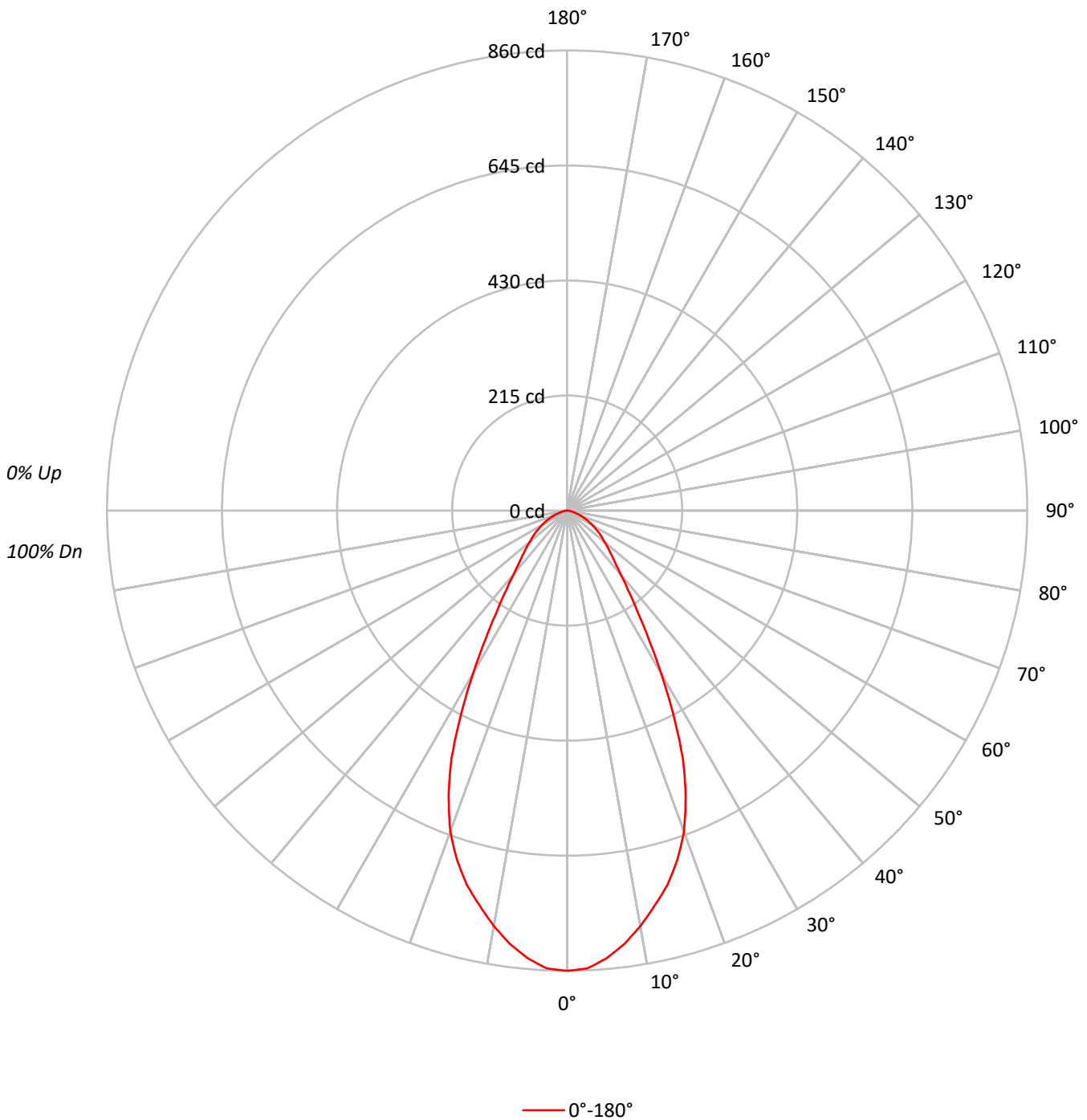
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365283

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94

### Luminous Intensity Polar Plot





TEST NUMBER: P365283

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94

**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	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	61578
5°	60375
10°	57336
15°	53676
20°	48652
25°	40403
30°	28987
35°	19868
40°	14581
45°	11837
50°	10181
55°	9038
60°	7848
65°	6624
70°	5213
75°	3790
80°	2433
85°	2793



TEST NUMBER: P365283

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	9.0
10°-20°	201.8	23.2
20°-30°	229.2	26.3
30°-40°	146.7	16.9
40°-50°	91.7	10.5
50°-60°	64.9	7.5
60°-70°	38.8	4.5
70°-80°	15.1	1.7
80°-90°	3.3	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°	509.6	58.6
0°-40°	656.2	75.4
0°-60°	812.8	93.4
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	860	
5°	840	79
15°	724	202
25°	511	229
35°	227	147
45°	117	92
55°	72	65
65°	39	39
75°	14	15
85°	3	3
90°	0	



TEST NUMBER: P365283

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR94

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	860.0
2.5°	856.6
5°	840.0
7.5°	817.0
10°	788.6
12.5°	755.9
15°	724.1
17.5°	684.5
20°	638.5
22.5°	578.9
25°	511.4
27.5°	429.8
30°	350.6
32.5°	281.6
35°	227.3
37.5°	186.8
40°	156.0
42.5°	133.0
45°	116.9
47.5°	103.2
50°	91.4
52.5°	82.1
55°	72.4
57.5°	63.1
60°	54.8
62.5°	46.4
65°	39.1
67.5°	31.8
70°	24.9
72.5°	19.1
75°	13.7
77.5°	9.3
80°	5.9
82.5°	3.9
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)