

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: P365317

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 873.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 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

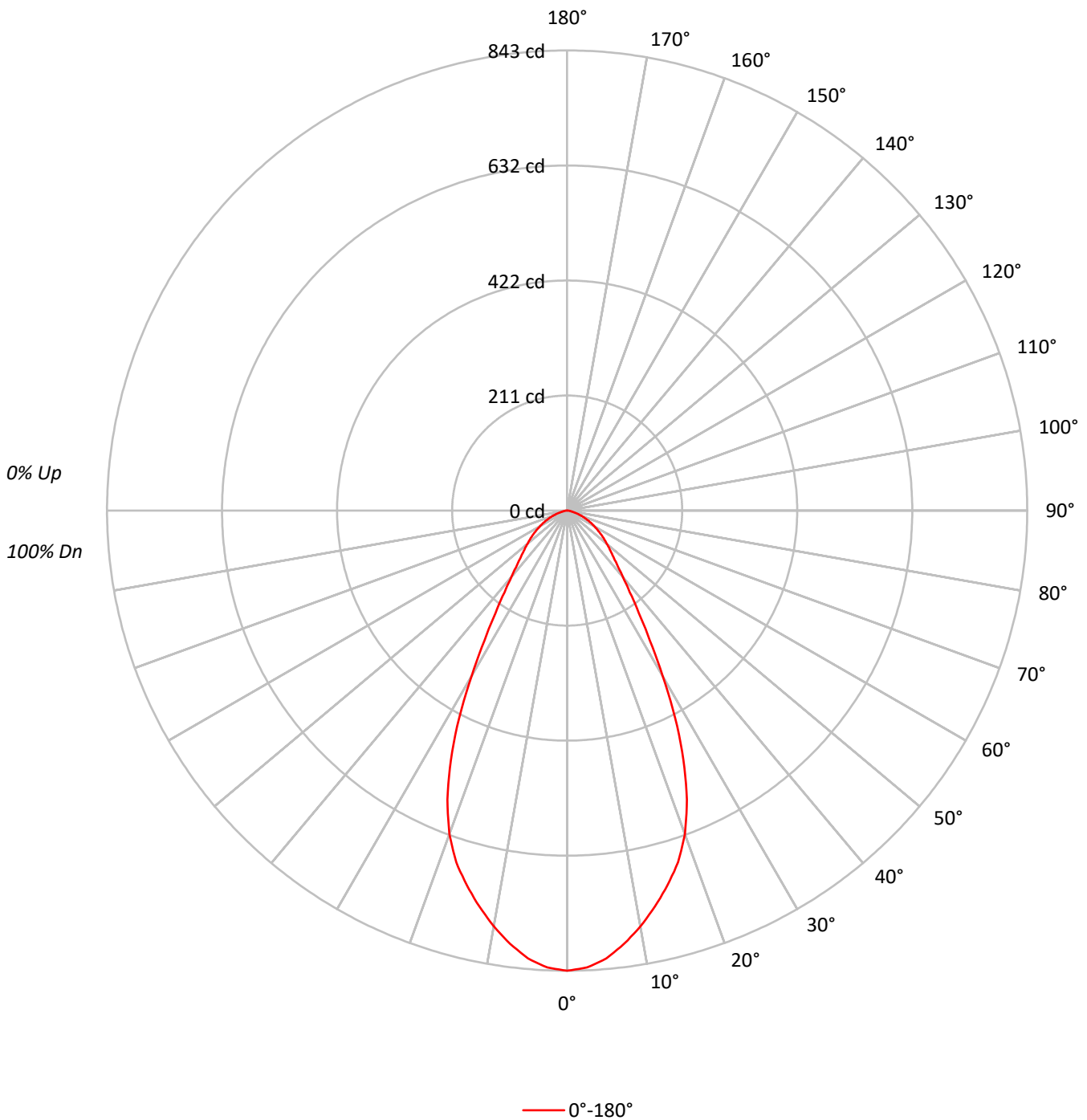
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

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

	0°
0°	60353
5°	59204
10°	56231
15°	52660
20°	48065
25°	39842
30°	28904
35°	19991
40°	14787
45°	12090
50°	10605
55°	9437
60°	8220
65°	6997
70°	5590
75°	4039
80°	2928
85°	3286



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.0	8.8
10°-20°	198.6	22.8
20°-30°	227.2	26.0
30°-40°	147.3	16.9
40°-50°	93.9	10.8
50°-60°	67.6	7.7
60°-70°	41.1	4.7
70°-80°	16.4	1.9
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°	502.8	57.6
0°-40°	650.1	74.5
0°-60°	811.6	93.0
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	843	
5°	824	77
15°	710	199
25°	504	227
35°	229	147
45°	119	94
55°	76	68
65°	41	41
75°	15	16
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	842.9
2.5°	837.8
5°	823.7
7.5°	800.6
10°	773.4
12.5°	743.1
15°	710.4
17.5°	675.6
20°	630.8
22.5°	573.3
25°	504.3
27.5°	428.7
30°	349.6
32.5°	281.6
35°	228.7
37.5°	188.4
40°	158.2
42.5°	136.0
45°	119.4
47.5°	106.3
50°	95.2
52.5°	85.1
55°	75.6
57.5°	66.0
60°	57.4
62.5°	49.4
65°	41.3
67.5°	33.8
70°	26.7
72.5°	20.7
75°	14.6
77.5°	10.1
80°	7.1
82.5°	4.5
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)