

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: P365335

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365335  
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-FEU6B12-8050-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: 894.0 lumens  
Efficiency: N/A  
Efficacy: 63.0 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

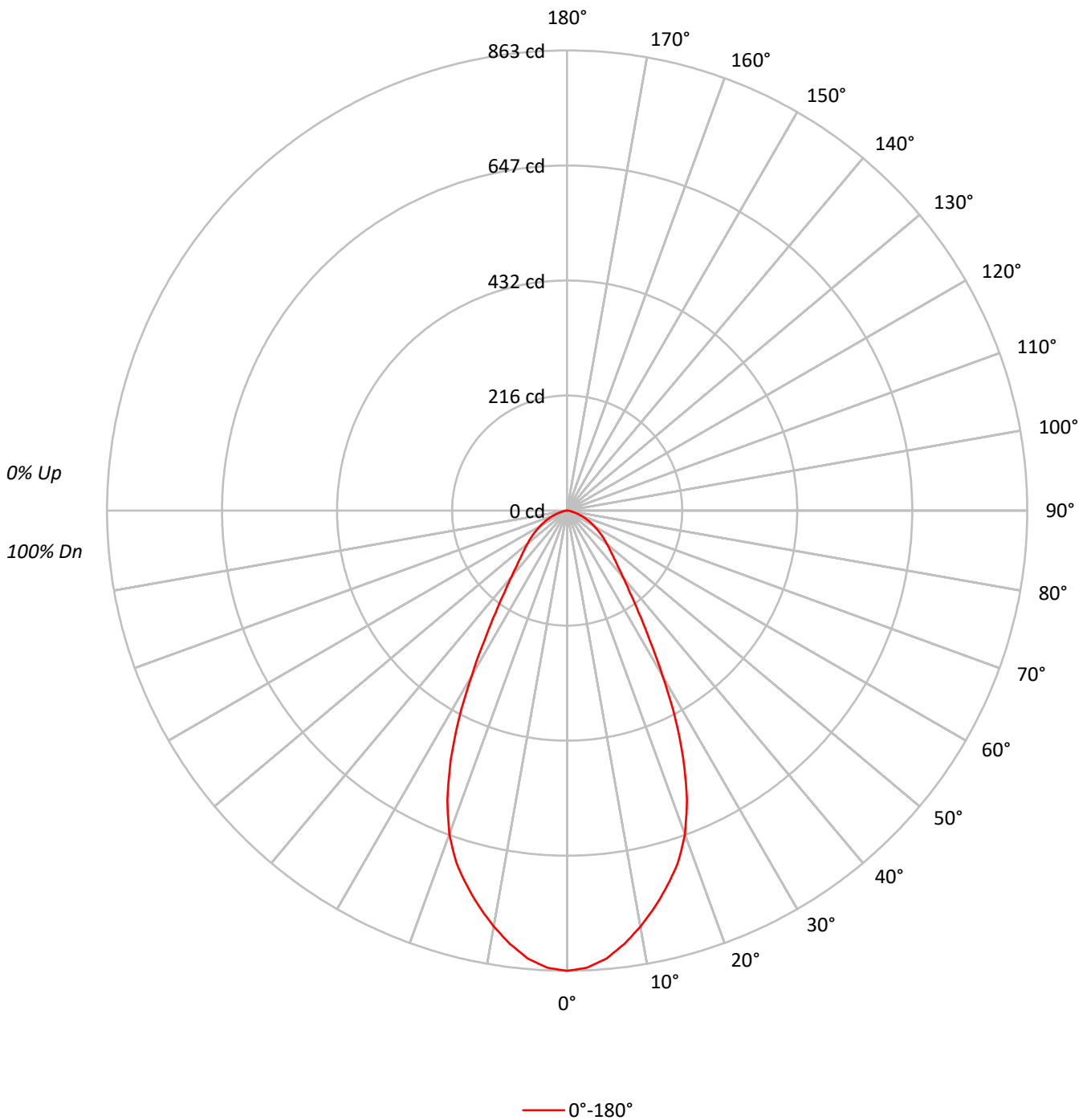
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	61807
5°	60634
10°	57583
15°	53928
20°	49223
25°	40806
30°	29607
35°	20471
40°	15142
45°	12384
50°	10861
55°	9662
60°	8420
65°	7167
70°	5715
75°	4150
80°	2969
85°	3368



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.8	8.8
10°-20°	203.4	22.8
20°-30°	232.7	26.0
30°-40°	150.8	16.9
40°-50°	96.2	10.8
50°-60°	69.3	7.7
60°-70°	42.1	4.7
70°-80°	16.8	1.9
80°-90°	3.9	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°	514.9	57.6
0°-40°	665.8	74.5
0°-60°	831.2	93.0
0°-90°	894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	863	
5°	844	79
15°	728	203
25°	516	233
35°	234	151
45°	122	96
55°	77	69
65°	42	42
75°	15	17
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	863.2
2.5°	858.0
5°	843.6
7.5°	819.8
10°	792.0
12.5°	761.0
15°	727.5
17.5°	691.9
20°	646.0
22.5°	587.1
25°	516.5
27.5°	439.1
30°	358.1
32.5°	288.4
35°	234.2
37.5°	193.0
40°	162.0
42.5°	139.3
45°	122.3
47.5°	108.9
50°	97.5
52.5°	87.2
55°	77.4
57.5°	67.6
60°	58.8
62.5°	50.6
65°	42.3
67.5°	34.6
70°	27.3
72.5°	21.2
75°	15.0
77.5°	10.3
80°	7.2
82.5°	4.6
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)