

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: P365995

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
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-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1048.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

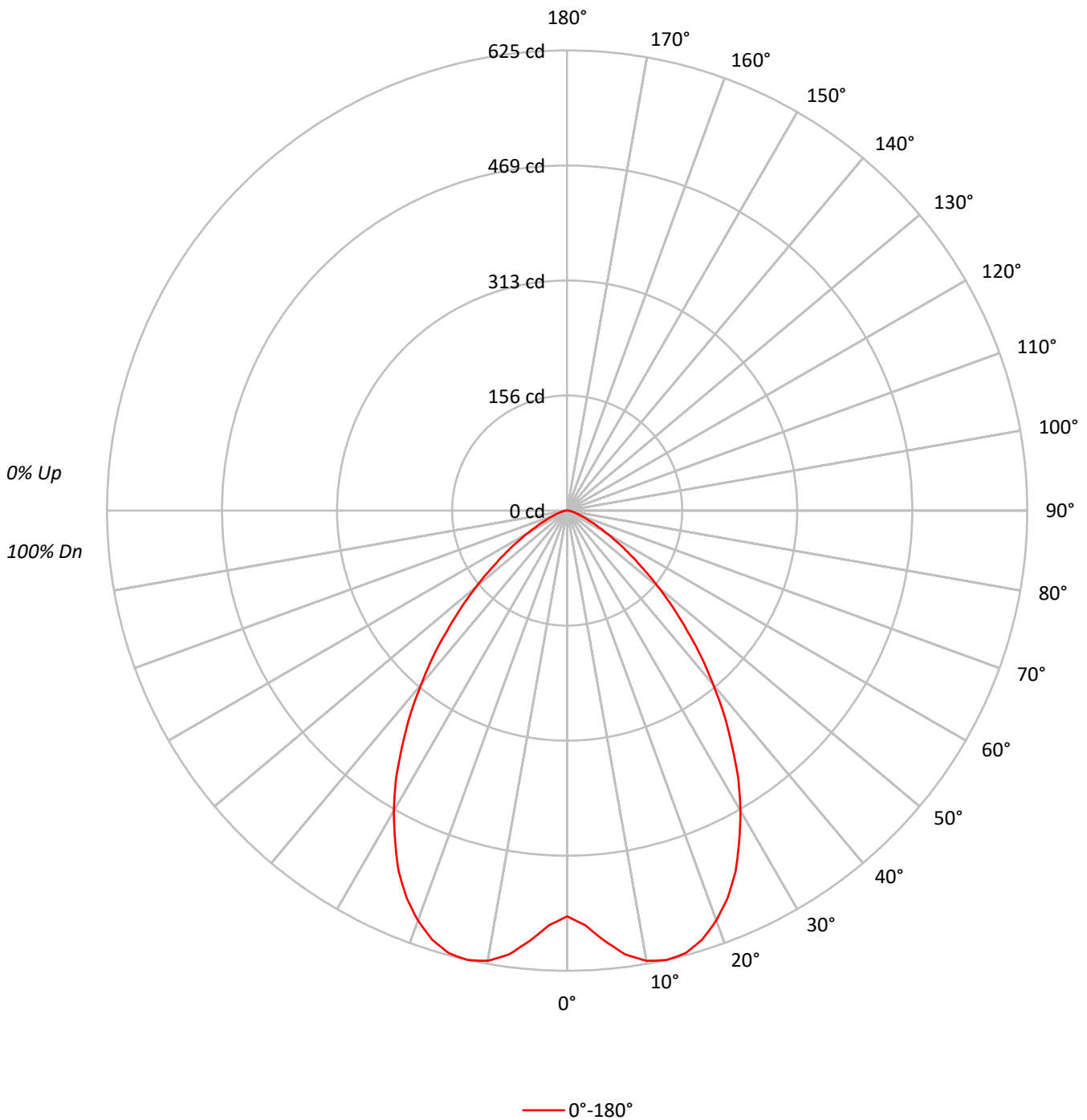
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	39453
5°	42162
10°	45143
15°	46130
20°	45147
25°	42757
30°	38925
35°	34142
40°	28835
45°	23320
50°	17968
55°	13120
60°	9036
65°	5964
70°	3894
75°	2849
80°	2433
85°	2793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	5.4
10°-20°	174.3	16.6
20°-30°	246.9	23.6
30°-40°	243.5	23.2
40°-50°	178.5	17.0
50°-60°	95.7	9.1
60°-70°	36.8	3.5
70°-80°	11.7	1.1
80°-90°	3.5	0.3
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°	478.3	45.6
0°-40°	721.8	68.9
0°-60°	996.1	95.0
0°-90°	1048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	551	
5°	587	57
15°	622	174
25°	541	247
35°	391	244
45°	230	179
55°	105	96
65°	35	37
75°	10	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	551.0
2.5°	563.7
5°	586.6
7.5°	608.2
10°	620.9
12.5°	625.3
15°	622.3
17.5°	610.6
20°	592.5
22.5°	569.5
25°	541.2
27.5°	506.0
30°	470.8
32.5°	432.7
35°	390.6
37.5°	350.5
40°	308.5
42.5°	269.9
45°	230.3
47.5°	195.1
50°	161.3
52.5°	131.0
55°	105.1
57.5°	82.1
60°	63.1
62.5°	47.4
65°	35.2
67.5°	25.9
70°	18.6
72.5°	14.2
75°	10.3
77.5°	7.8
80°	5.9
82.5°	4.4
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)