

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: P364538

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1021.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

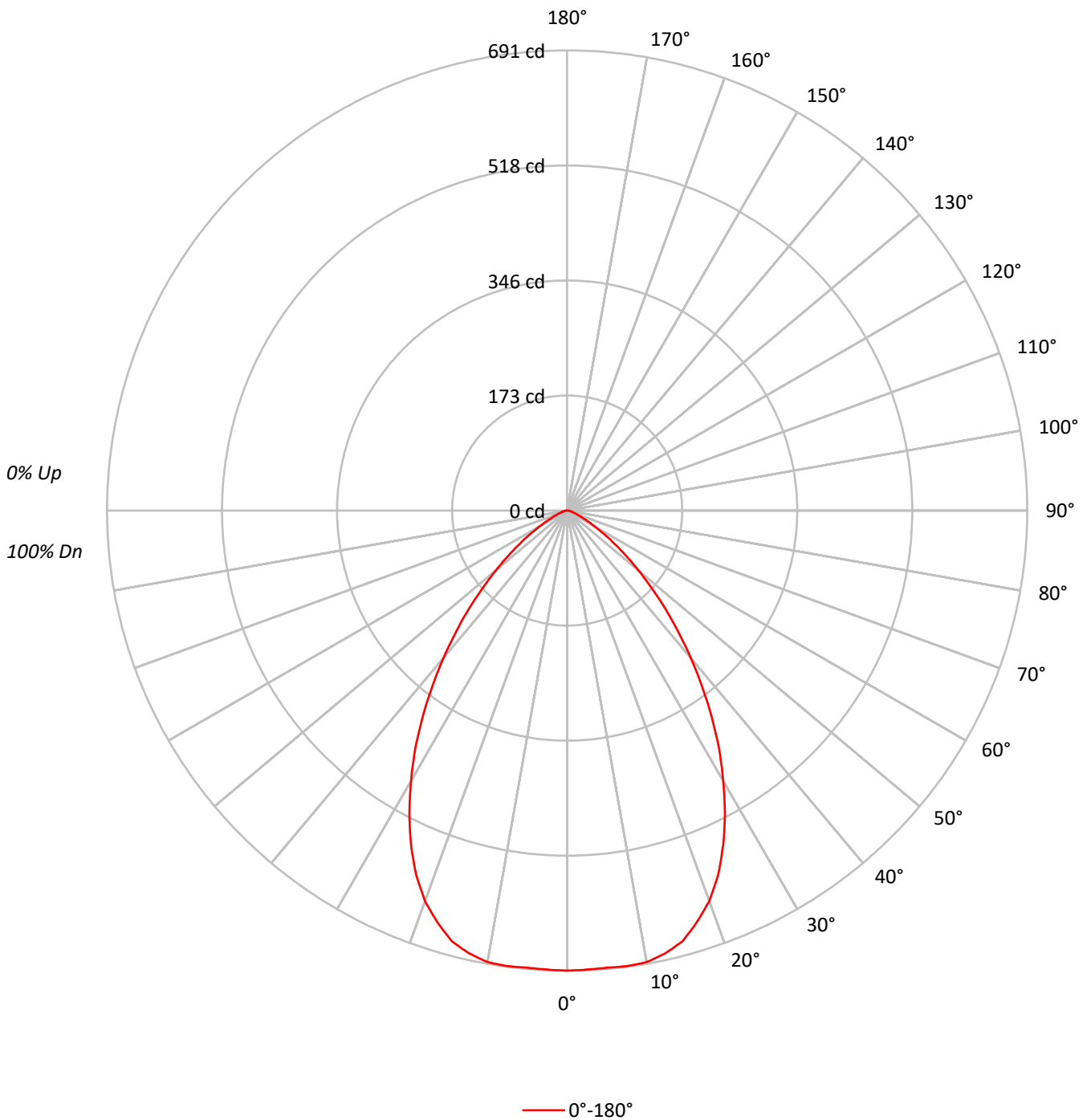
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	49470
5°	49522
10°	50058
15°	49621
20°	47547
25°	43800
30°	38760
35°	33050
40°	27003
45°	21113
50°	15573
55°	10798
60°	6888
65°	4202
70°	2847
75°	2186
80°	1938
85°	2711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.8	6.4
10°-20°	187.2	18.3
20°-30°	253.2	24.8
30°-40°	235.5	23.1
40°-50°	161.4	15.8
50°-60°	79.5	7.8
60°-70°	26.6	2.6
70°-80°	8.8	0.9
80°-90°	3.1	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°	506.2	49.6
0°-40°	741.7	72.6
0°-60°	982.6	96.2
0°-90°	1021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	691	
5°	689	66
15°	669	187
25°	554	253
35°	378	235
45°	208	161
55°	86	80
65°	25	27
75°	8	9
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	690.9
2.5°	689.9
5°	689.0
7.5°	689.9
10°	688.5
12.5°	681.0
15°	669.4
17.5°	647.9
20°	624.0
22.5°	592.2
25°	554.4
27.5°	513.2
30°	468.8
32.5°	424.4
35°	378.1
37.5°	332.3
40°	288.9
42.5°	246.8
45°	208.5
47.5°	172.0
50°	139.8
52.5°	111.7
55°	86.5
57.5°	65.9
60°	48.1
62.5°	34.6
65°	24.8
67.5°	17.8
70°	13.6
72.5°	10.3
75°	7.9
77.5°	6.1
80°	4.7
82.5°	3.7
85°	3.3
87.5°	1.9
90°	0.0

(END OF REPORT)