

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: P364541

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1016.9 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

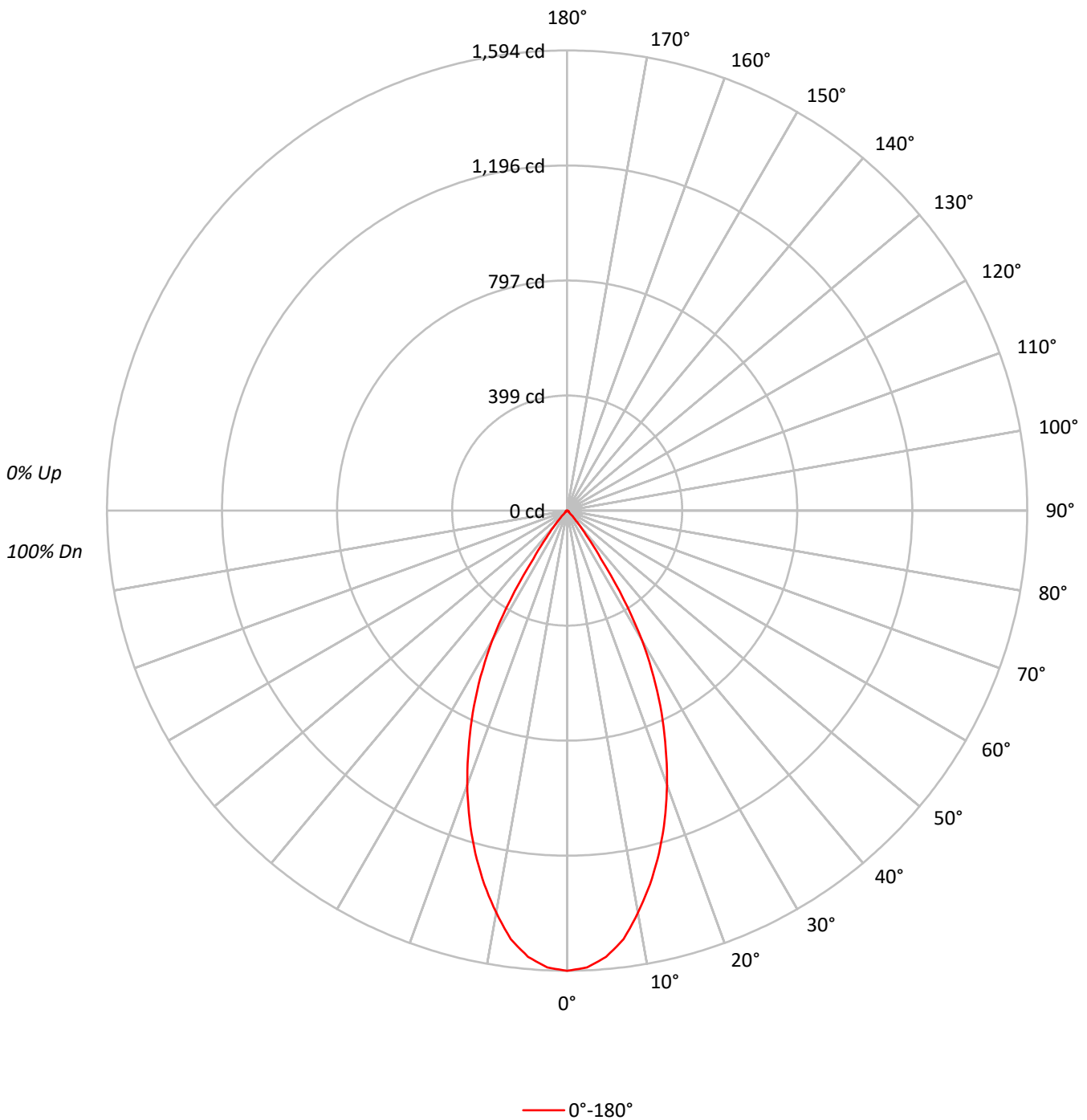
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	114148
5°	111543
10°	102829
15°	91081
20°	77111
25°	61094
30°	42935
35°	17884
40°	6132
45°	1640
50°	902
55°	836
60°	773
65°	762
70°	754
75°	858
80°	1113
85°	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.8	14.1
10°-20°	340.9	33.5
20°-30°	349.9	34.4
30°-40°	148.2	14.6
40°-50°	18.2	1.8
50°-60°	6.0	0.6
60°-70°	4.4	0.4
70°-80°	3.4	0.3
80°-90°	2.1	0.2
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°	834.6	82.1
0°-40°	982.8	96.6
0°-60°	1007.0	99.0
0°-90°	1016.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1594	
5°	1552	144
15°	1229	341
25°	773	350
35°	205	148
45°	16	18
55°	7	6
65°	4	4
75°	3	3
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1594.2
2.5°	1583.8
5°	1551.9
7.5°	1497.1
10°	1414.3
12.5°	1326.2
15°	1228.7
17.5°	1123.9
20°	1012.0
22.5°	892.8
25°	773.3
27.5°	649.6
30°	519.3
32.5°	365.9
35°	204.6
37.5°	117.3
40°	65.6
42.5°	34.6
45°	16.2
47.5°	9.4
50°	8.1
52.5°	7.2
55°	6.7
57.5°	6.3
60°	5.4
62.5°	4.9
65°	4.5
67.5°	4.0
70°	3.6
72.5°	3.6
75°	3.1
77.5°	3.1
80°	2.7
82.5°	2.7
85°	2.2
87.5°	1.3
90°	0.0

(END OF REPORT)