

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: P365888

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 738.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

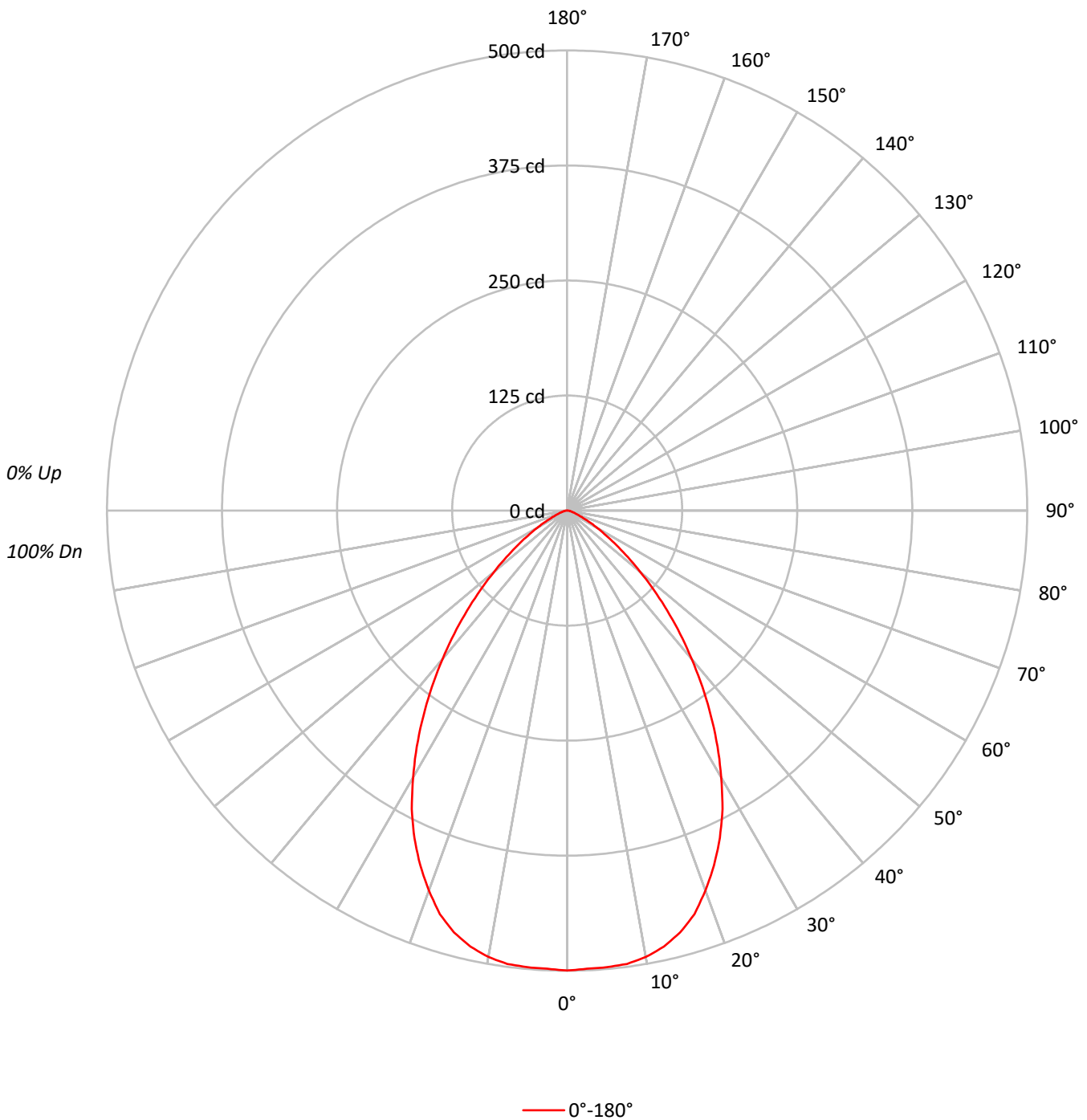
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	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	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	35779
5°	35794
10°	35808
15°	35181
20°	33466
25°	31009
30°	27673
35°	23819
40°	19657
45°	15554
50°	11563
55°	8152
60°	5413
65°	3321
70°	2156
75°	1605
80°	1402
85°	1725



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.4	6.4
10°-20°	132.9	18.0
20°-30°	179.4	24.3
30°-40°	169.7	23.0
40°-50°	119.0	16.1
50°-60°	59.9	8.1
60°-70°	21.1	2.9
70°-80°	6.6	0.9
80°-90°	2.0	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°	359.6	48.7
0°-40°	529.4	71.7
0°-60°	708.2	96.0
0°-90°	738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	500	
5°	498	47
15°	475	133
25°	392	179
35°	272	170
45°	154	119
55°	65	60
65°	20	21
75°	6	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	499.7
2.5°	498.3
5°	498.0
7.5°	496.9
10°	492.5
12.5°	485.3
15°	474.6
17.5°	459.8
20°	439.2
22.5°	417.2
25°	392.5
27.5°	365.7
30°	334.7
32.5°	304.1
35°	272.5
37.5°	241.3
40°	210.3
42.5°	181.8
45°	153.6
47.5°	127.8
50°	103.8
52.5°	83.2
55°	65.3
57.5°	50.2
60°	37.8
62.5°	27.8
65°	19.6
67.5°	14.4
70°	10.3
72.5°	7.9
75°	5.8
77.5°	4.5
80°	3.4
82.5°	2.7
85°	2.1
87.5°	1.0
90°	0.0

(END OF REPORT)