

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: P365173

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365173  
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: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 596.0 lumens  
Efficiency: N/A  
Efficacy: 59.6 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

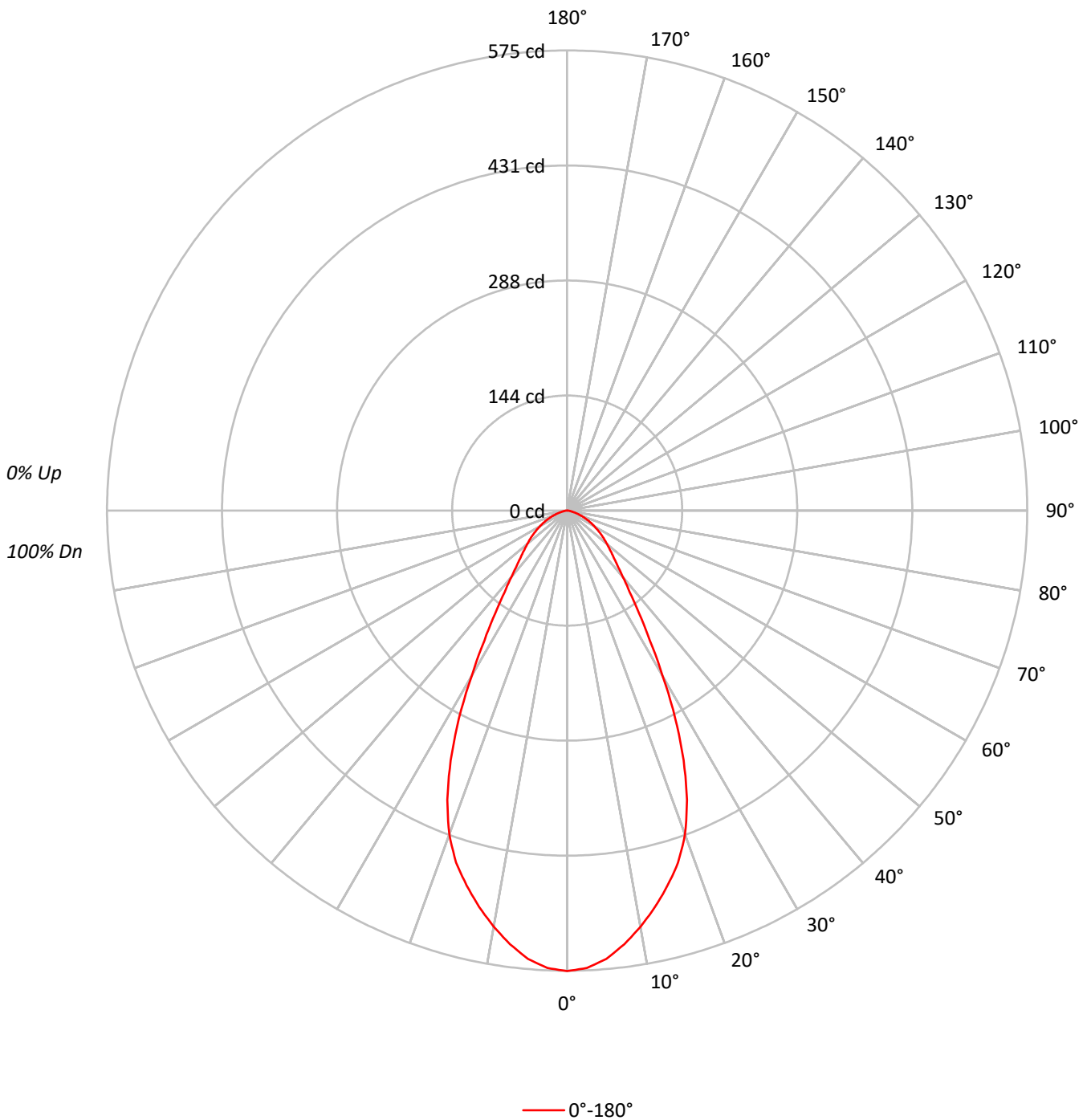
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	41200
5°	40423
10°	38389
15°	35952
20°	32810
25°	27201
30°	19735
35°	13653
40°	10095
45°	8253
50°	7241
55°	6441
60°	5614
65°	4778
70°	3810
75°	2766
80°	1979
85°	2300



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.6	8.8
10°-20°	135.6	22.8
20°-30°	155.1	26.0
30°-40°	100.6	16.9
40°-50°	64.1	10.8
50°-60°	46.2	7.7
60°-70°	28.1	4.7
70°-80°	11.2	1.9
80°-90°	2.6	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°	343.2	57.6
0°-40°	443.8	74.5
0°-60°	554.1	93.0
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	575	
5°	562	53
15°	485	136
25°	344	155
35°	156	101
45°	82	64
55°	52	46
65°	28	28
75°	10	11
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	575.4
2.5°	572.0
5°	562.4
7.5°	546.5
10°	528.0
12.5°	507.3
15°	485.0
17.5°	461.2
20°	430.6
22.5°	391.4
25°	344.3
27.5°	292.7
30°	238.7
32.5°	192.3
35°	156.2
37.5°	128.6
40°	108.0
42.5°	92.9
45°	81.5
47.5°	72.6
50°	65.0
52.5°	58.1
55°	51.6
57.5°	45.1
60°	39.2
62.5°	33.7
65°	28.2
67.5°	23.0
70°	18.2
72.5°	14.1
75°	10.0
77.5°	6.9
80°	4.8
82.5°	3.1
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)