

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: P365189

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 614.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

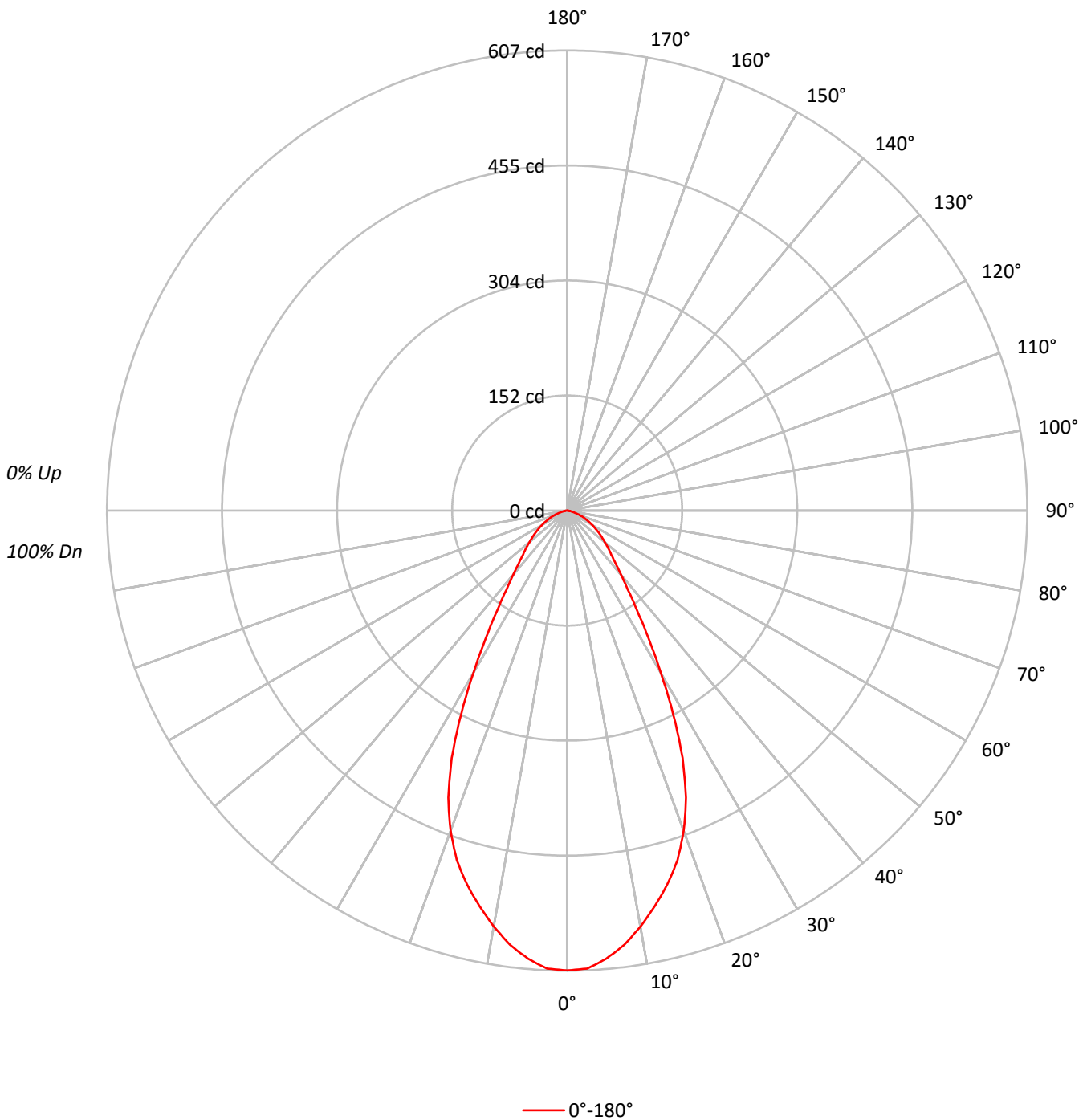
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	43434
5°	42644
10°	40497
15°	37850
20°	34251
25°	28449
30°	20413
35°	14012
40°	10310
45°	8334
50°	7241
55°	6367
60°	5499
65°	4693
70°	3685
75°	2573
80°	1649
85°	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.5	9.0
10°-20°	142.5	23.2
20°-30°	161.6	26.3
30°-40°	103.6	16.9
40°-50°	64.9	10.6
50°-60°	45.8	7.5
60°-70°	27.5	4.5
70°-80°	10.5	1.7
80°-90°	2.1	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°	359.6	58.6
0°-40°	463.2	75.4
0°-60°	573.9	93.5
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	607	
5°	593	55
15°	511	142
25°	360	162
35°	160	104
45°	82	65
55°	51	46
65°	28	28
75°	9	10
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	606.6
2.5°	604.8
5°	593.3
7.5°	577.8
10°	557.0
12.5°	534.3
15°	510.6
17.5°	483.7
20°	449.5
22.5°	409.6
25°	360.1
27.5°	302.9
30°	246.9
32.5°	199.4
35°	160.3
37.5°	131.9
40°	110.3
42.5°	94.5
45°	82.3
47.5°	73.3
50°	65.0
52.5°	57.9
55°	51.0
57.5°	44.6
60°	38.4
62.5°	33.1
65°	27.7
67.5°	22.6
70°	17.6
72.5°	13.3
75°	9.3
77.5°	6.5
80°	4.0
82.5°	2.5
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)