

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: P365962

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 839.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

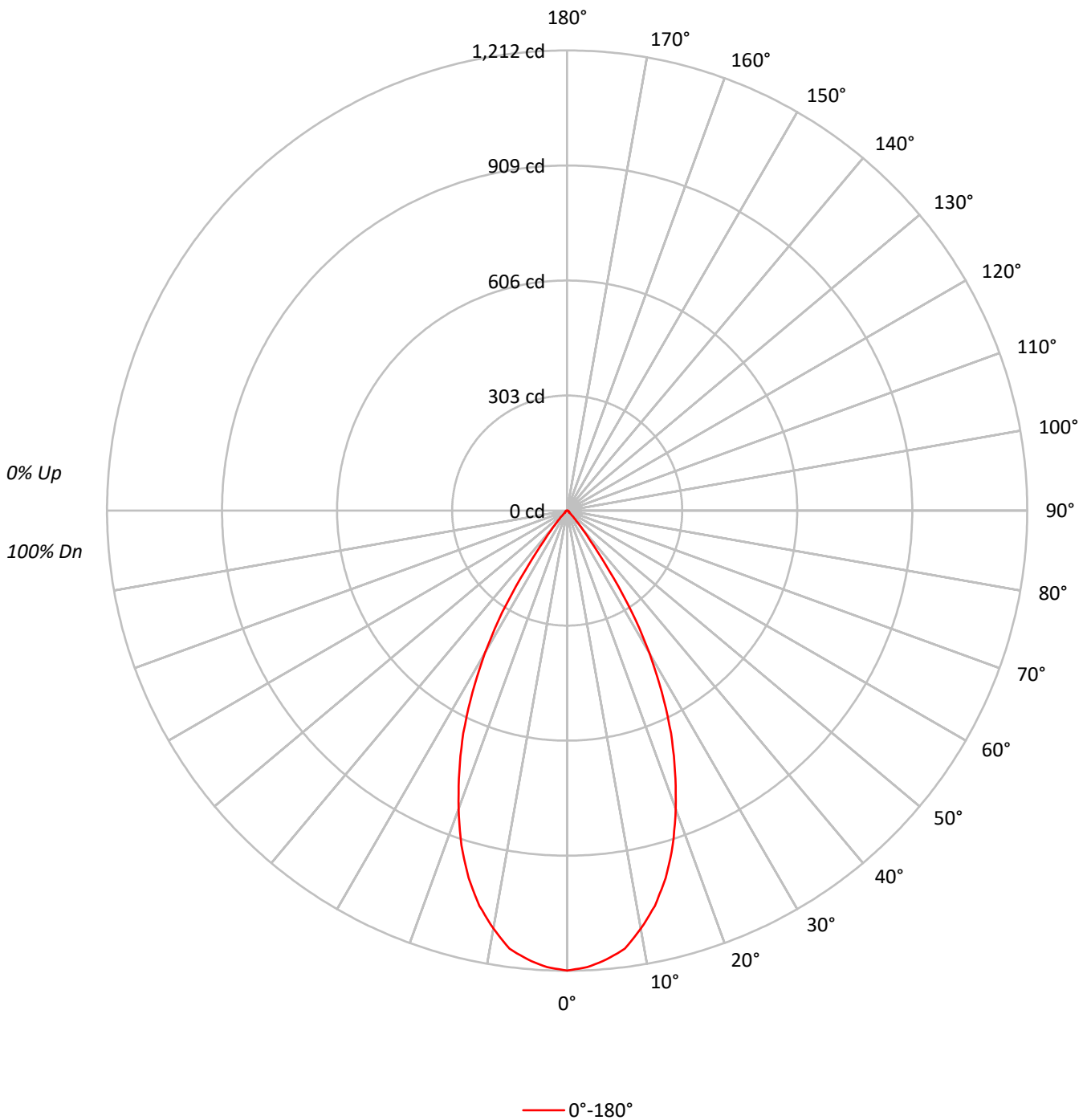
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	86746
5°	85316
10°	81293
15°	74283
20°	63701
25°	51116
30°	35833
35°	16555
40°	5318
45°	1711
50°	802
55°	699
60°	702
65°	644
70°	628
75°	719
80°	948
85°	1561



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	13.3
10°-20°	277.3	33.1
20°-30°	291.2	34.7
30°-40°	129.2	15.4
40°-50°	16.7	2.0
50°-60°	5.2	0.6
60°-70°	3.7	0.4
70°-80°	2.7	0.3
80°-90°	1.6	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°	679.8	81.0
0°-40°	809.1	96.4
0°-60°	831.0	99.0
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1212	
5°	1187	111
15°	1002	277
25°	647	291
35°	189	129
45°	17	17
55°	6	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1211.5
2.5°	1203.9
5°	1187.0
7.5°	1164.0
10°	1118.1
12.5°	1066.5
15°	1002.1
17.5°	924.9
20°	836.0
22.5°	742.6
25°	647.0
27.5°	539.6
30°	433.4
32.5°	318.6
35°	189.4
37.5°	100.9
40°	56.9
42.5°	31.3
45°	16.9
47.5°	8.7
50°	7.2
52.5°	6.4
55°	5.6
57.5°	5.3
60°	4.9
62.5°	4.1
65°	3.8
67.5°	3.0
70°	3.0
72.5°	2.6
75°	2.6
77.5°	2.3
80°	2.3
82.5°	1.9
85°	1.9
87.5°	1.1
90°	0.0

(END OF REPORT)