

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: P365907

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365907  
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-FEU6B12-8030-F6LBXVM1-WMH-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 800.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 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

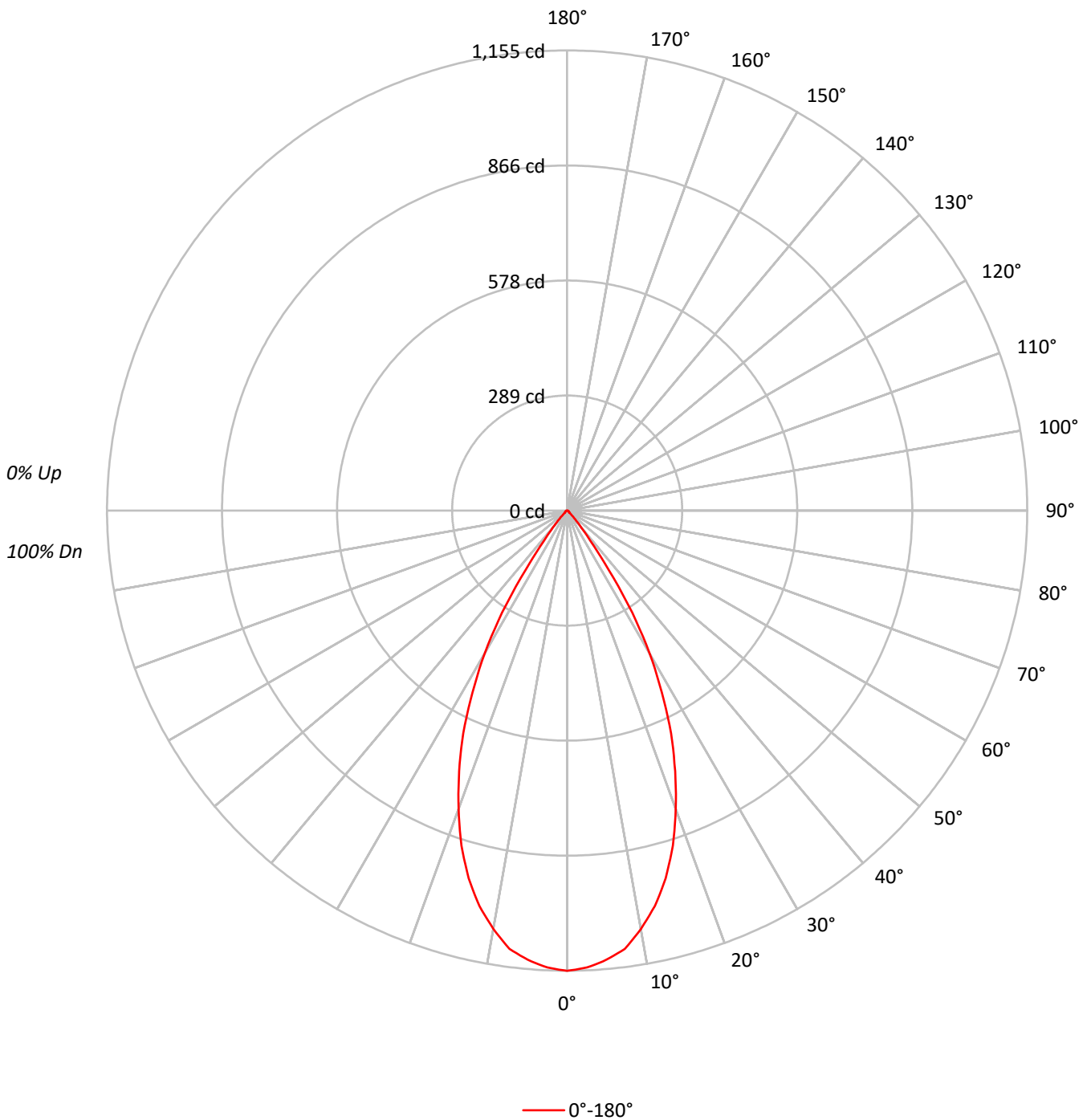
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10
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°	82714
5°	81349
10°	77512
15°	70829
20°	60744
25°	48738
30°	34171
35°	15786
40°	5066
45°	1640
50°	757
55°	674
60°	673
65°	610
70°	607
75°	692
80°	907
85°	1479



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.1	13.3
10°-20°	264.4	33.0
20°-30°	277.7	34.7
30°-40°	123.2	15.4
40°-50°	15.9	2.0
50°-60°	5.0	0.6
60°-70°	3.5	0.4
70°-80°	2.6	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°	648.3	81.0
0°-40°	771.5	96.4
0°-60°	792.4	99.0
0°-90°	800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1155	
5°	1132	106
15°	956	264
25°	617	278
35°	181	123
45°	16	16
55°	5	5
65°	4	4
75°	2	3
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1155.2
2.5°	1148.0
5°	1131.8
7.5°	1109.9
10°	1066.1
12.5°	1016.9
15°	955.5
17.5°	881.9
20°	797.2
22.5°	708.1
25°	616.9
27.5°	514.6
30°	413.3
32.5°	303.8
35°	180.6
37.5°	96.2
40°	54.2
42.5°	29.8
45°	16.2
47.5°	8.3
50°	6.8
52.5°	6.1
55°	5.4
57.5°	5.0
60°	4.7
62.5°	3.9
65°	3.6
67.5°	2.9
70°	2.9
72.5°	2.5
75°	2.5
77.5°	2.2
80°	2.2
82.5°	1.8
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)