

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: P365171

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365171  
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-FEU6B12-8027-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: 587.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 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

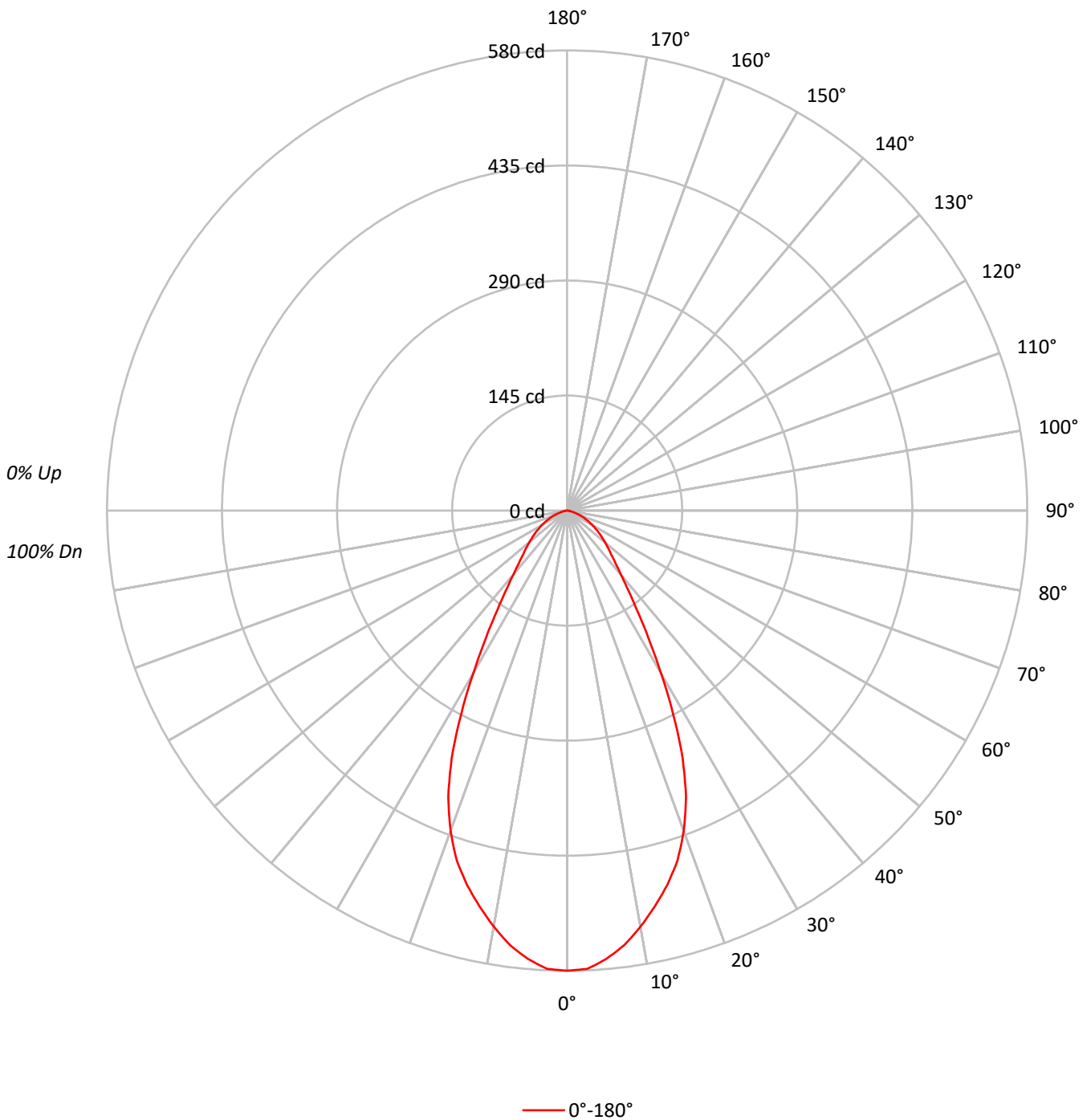
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	41522
5°	40768
10°	38716
15°	36189
20°	32750
25°	27193
30°	19512
35°	13391
40°	9861
45°	7969
50°	6929
55°	6092
60°	5270
65°	4490
70°	3517
75°	2462
80°	1567
85°	1725



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	9.0
10°-20°	136.2	23.2
20°-30°	154.5	26.3
30°-40°	99.0	16.9
40°-50°	62.1	10.6
50°-60°	43.8	7.5
60°-70°	26.3	4.5
70°-80°	10.0	1.7
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°	343.8	58.6
0°-40°	442.8	75.4
0°-60°	548.7	93.5
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	580	
5°	567	53
15°	488	136
25°	344	154
35°	153	99
45°	79	62
55°	49	44
65°	26	26
75°	9	10
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	579.9
2.5°	578.2
5°	567.2
7.5°	552.4
10°	532.5
12.5°	510.8
15°	488.2
17.5°	462.4
20°	429.8
22.5°	391.6
25°	344.2
27.5°	289.6
30°	236.0
32.5°	190.7
35°	153.2
37.5°	126.1
40°	105.5
42.5°	90.3
45°	78.7
47.5°	70.1
50°	62.2
52.5°	55.3
55°	48.8
57.5°	42.6
60°	36.8
62.5°	31.6
65°	26.5
67.5°	21.6
70°	16.8
72.5°	12.7
75°	8.9
77.5°	6.2
80°	3.8
82.5°	2.4
85°	2.1
87.5°	1.0
90°	0.0

(END OF REPORT)