

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: P364466

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
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-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 785.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

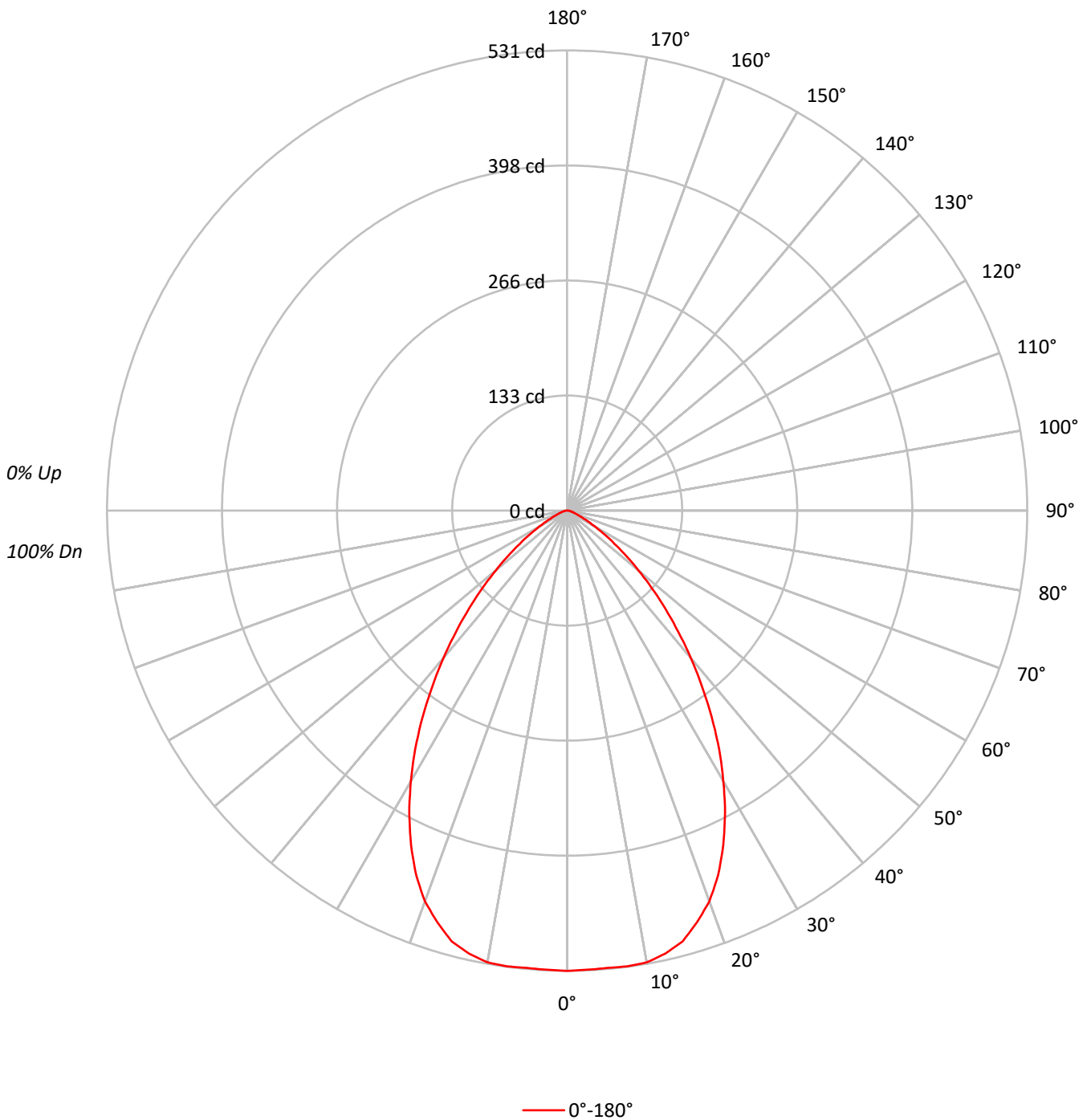
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	38035
5°	38072
10°	38491
15°	38146
20°	36559
25°	33671
30°	29806
35°	25410
40°	20760
45°	16232
50°	11975
55°	8301
60°	5299
65°	3219
70°	2177
75°	1688
80°	1484
85°	2054



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	6.4
10°-20°	143.9	18.3
20°-30°	194.7	24.8
30°-40°	181.1	23.1
40°-50°	124.1	15.8
50°-60°	61.2	7.8
60°-70°	20.4	2.6
70°-80°	6.8	0.9
80°-90°	2.3	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°	389.2	49.6
0°-40°	570.2	72.6
0°-60°	755.5	96.2
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	531	
5°	530	51
15°	515	144
25°	426	195
35°	291	181
45°	160	124
55°	66	61
65°	19	20
75°	6	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	531.2
2.5°	530.4
5°	529.7
7.5°	530.4
10°	529.4
12.5°	523.6
15°	514.6
17.5°	498.1
20°	479.8
22.5°	455.3
25°	426.2
27.5°	394.6
30°	360.5
32.5°	326.3
35°	290.7
37.5°	255.5
40°	222.1
42.5°	189.8
45°	160.3
47.5°	132.3
50°	107.5
52.5°	85.9
55°	66.5
57.5°	50.7
60°	37.0
62.5°	26.6
65°	19.0
67.5°	13.7
70°	10.4
72.5°	7.9
75°	6.1
77.5°	4.7
80°	3.6
82.5°	2.9
85°	2.5
87.5°	1.4
90°	0.0

(END OF REPORT)