

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: P365195

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365195  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 844.1 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

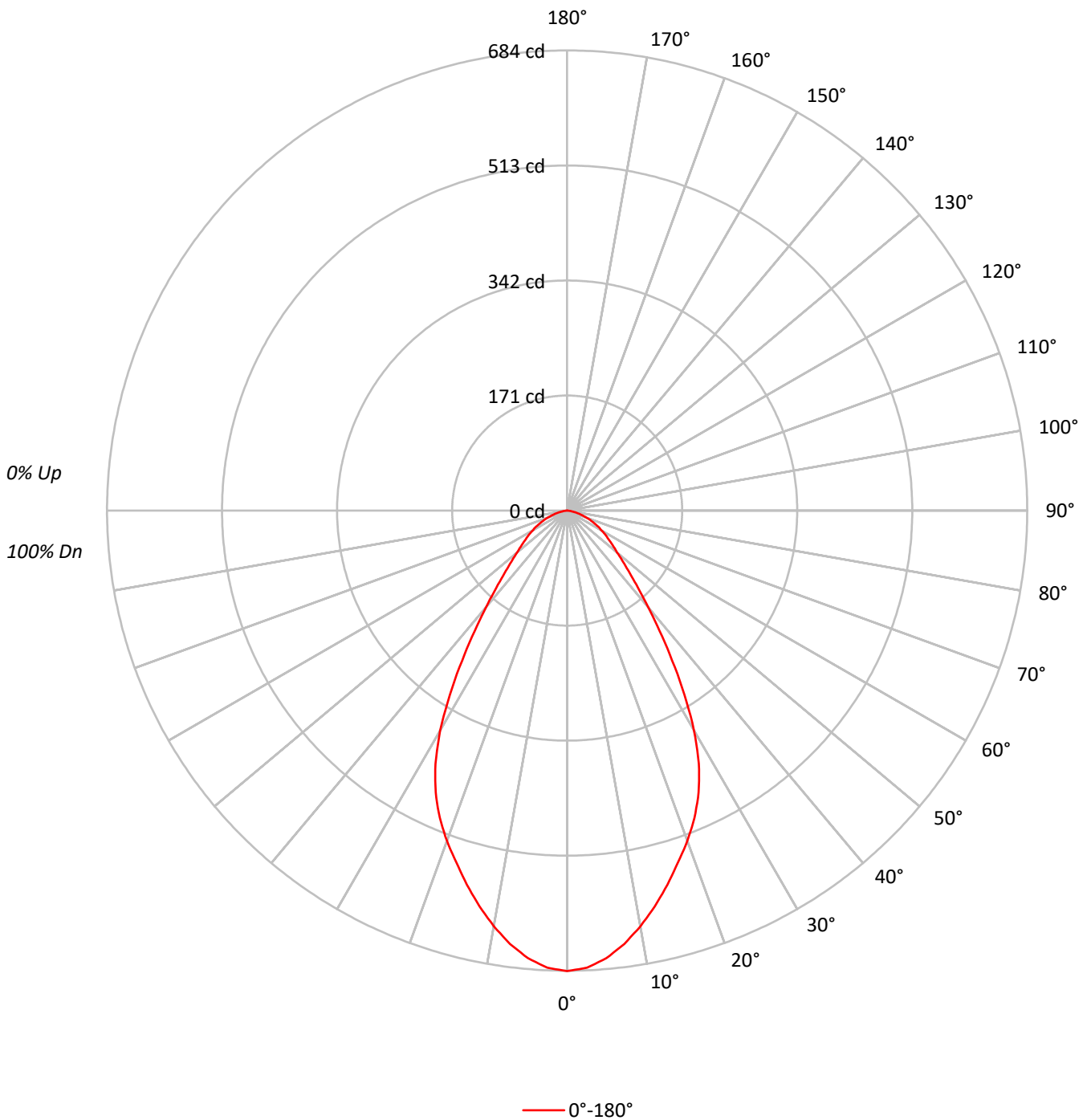
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	18697
5°	18316
10°	17399
15°	16277
20°	15188
25°	13936
30°	11900
35°	9073
40°	6682
45°	5072
50°	4131
55°	3634
60°	3245
65°	2870
70°	2428
75°	1900
80°	1274
85°	564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	7.4
10°-20°	161.5	19.1
20°-30°	209.9	24.9
30°-40°	171.1	20.3
40°-50°	103.9	12.3
50°-60°	68.7	8.1
60°-70°	44.1	5.2
70°-80°	19.4	2.3
80°-90°	2.9	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°	433.9	51.4
0°-40°	605.0	71.7
0°-60°	777.6	92.1
0°-90°	844.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	684	
5°	668	62
15°	576	162
25°	462	210
35°	272	171
45°	131	104
55°	76	69
65°	44	44
75°	18	19
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	684.5
2.5°	680.1
5°	668.0
7.5°	649.7
10°	627.3
12.5°	602.4
15°	575.6
17.5°	548.2
20°	522.5
22.5°	494.6
25°	462.4
27.5°	424.2
30°	377.3
32.5°	324.5
35°	272.1
37.5°	225.5
40°	187.4
42.5°	155.5
45°	131.3
47.5°	112.2
50°	97.2
52.5°	85.8
55°	76.3
57.5°	67.5
60°	59.4
62.5°	51.7
65°	44.4
67.5°	37.4
70°	30.4
72.5°	23.8
75°	18.0
77.5°	12.8
80°	8.1
82.5°	4.4
85°	1.8
87.5°	0.4
90°	0.0

(END OF REPORT)