

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: P365839

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365839  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4148.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

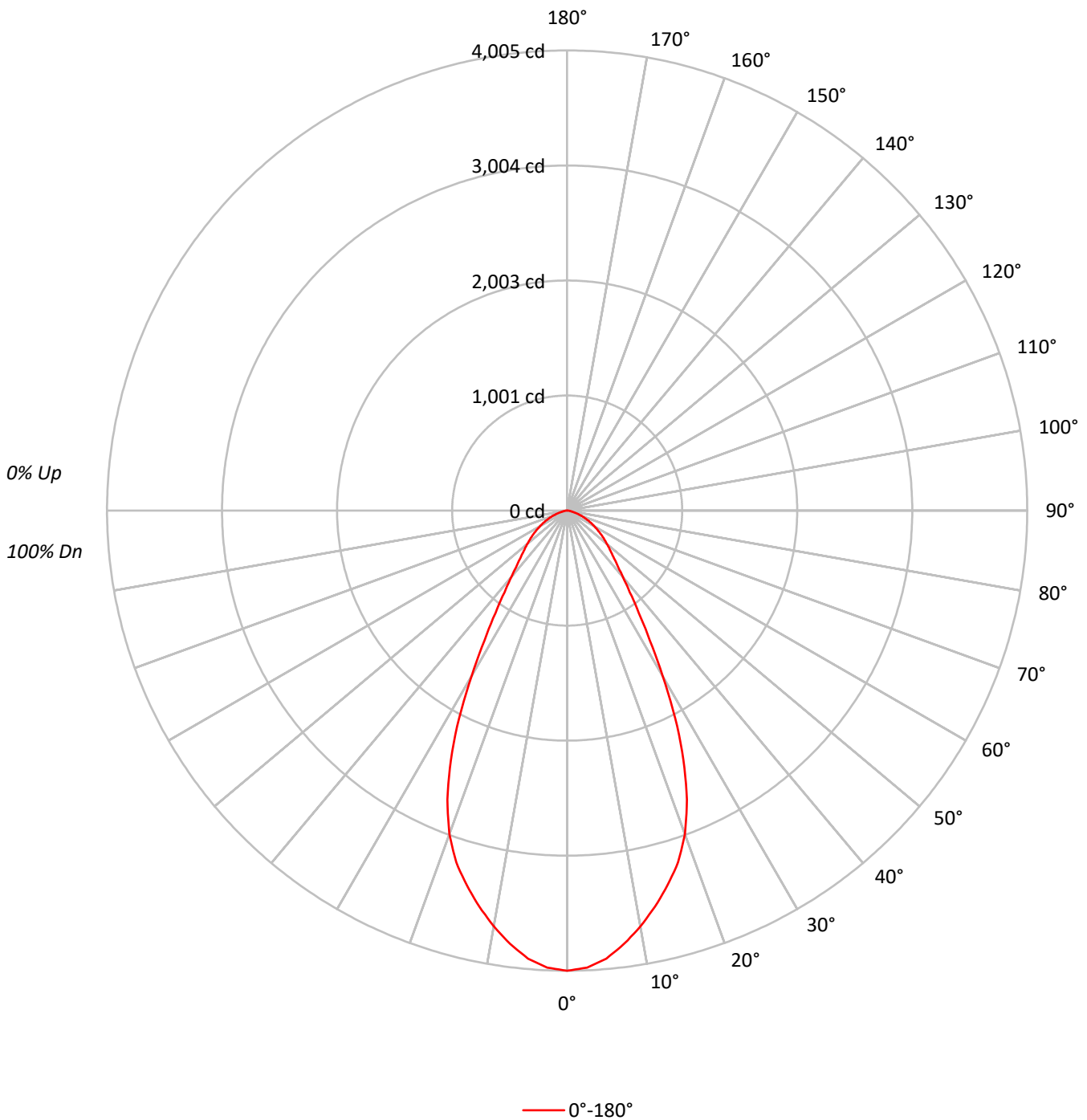
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

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

	0°
0°	286758
5°	281313
10°	267167
15°	250203
20°	228370
25°	189309
30°	137354
35°	94997
40°	70261
45°	57445
50°	50394
55°	44828
60°	39080
65°	33258
70°	26566
75°	19199
80°	13813
85°	15774



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.8	8.8
10°-20°	943.7	22.8
20°-30°	1079.5	26.0
30°-40°	699.9	16.9
40°-50°	446.2	10.8
50°-60°	321.4	7.7
60°-70°	195.4	4.7
70°-80°	77.8	1.9
80°-90°	18.3	0.4
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°	2389.0	57.6
0°-40°	3088.9	74.5
0°-60°	3856.5	93.0
0°-90°	4148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4148.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4005	
5°	3914	366
15°	3375	944
25°	2396	1079
35°	1087	700
45°	567	446
55°	359	321
65°	196	195
75°	69	78
85°	19	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4004.9
2.5°	3981.0
5°	3913.9
7.5°	3803.8
10°	3674.6
12.5°	3530.9
15°	3375.3
17.5°	3210.2
20°	2997.1
22.5°	2724.2
25°	2396.2
27.5°	2037.2
30°	1661.3
32.5°	1338.2
35°	1086.8
37.5°	895.3
40°	751.7
42.5°	646.3
45°	567.3
47.5°	505.1
50°	452.4
52.5°	404.6
55°	359.1
57.5°	313.6
60°	272.9
62.5°	234.6
65°	196.3
67.5°	160.4
70°	126.9
72.5°	98.1
75°	69.4
77.5°	47.9
80°	33.5
82.5°	21.5
85°	19.2
87.5°	9.6
90°	0.0

(END OF REPORT)