

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: P365871

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365871  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4403.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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

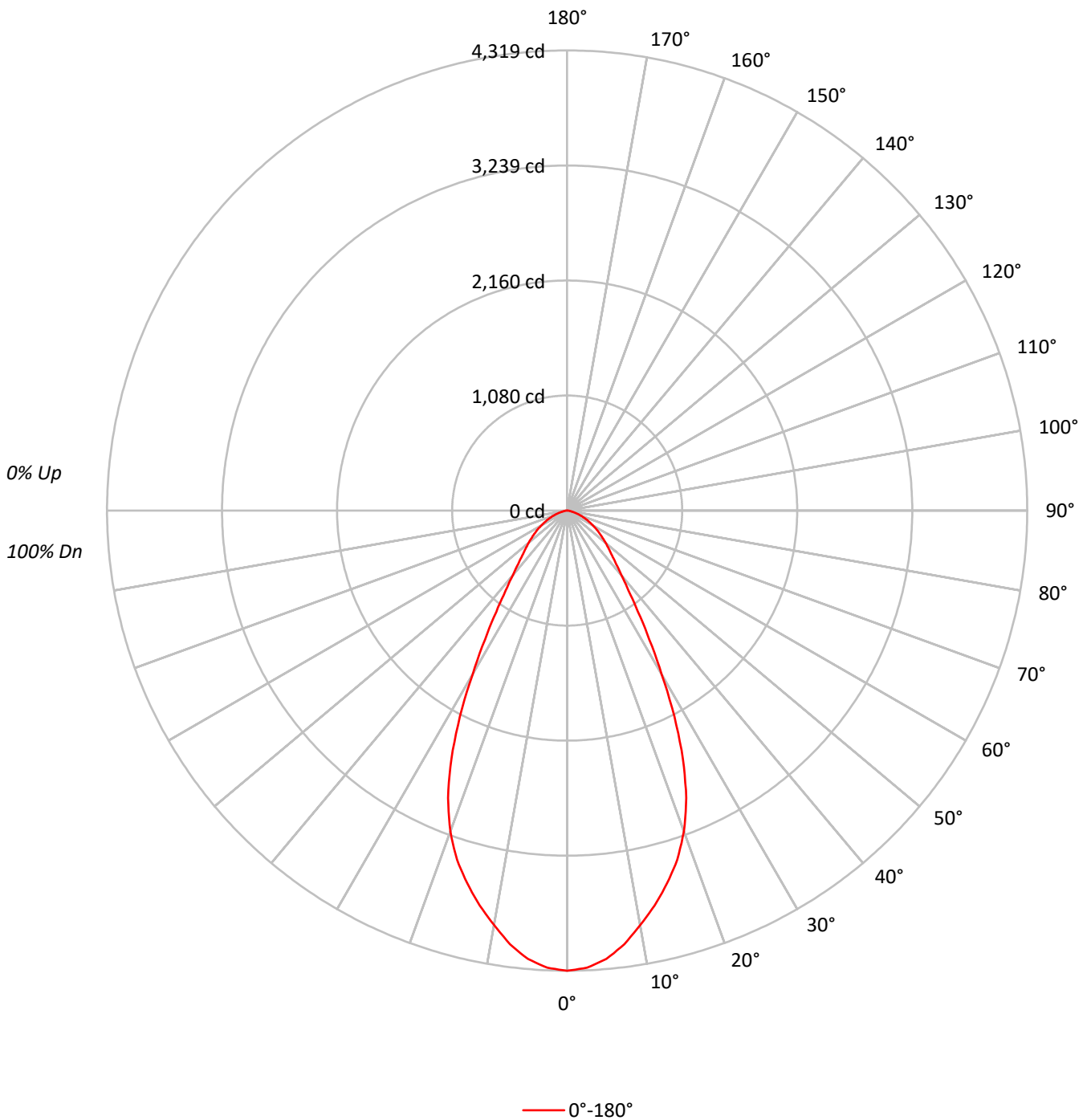
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	309248
5°	303666
10°	287176
15°	268542
20°	244136
25°	203206
30°	146689
35°	101369
40°	74112
45°	60220
50°	52444
55°	46089
60°	40097
65°	34003
70°	27488
75°	19199
80°	12246
85°	14213



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.4	9.0
10°-20°	1012.2	23.0
20°-30°	1156.1	26.3
30°-40°	745.7	16.9
40°-50°	468.2	10.6
50°-60°	332.1	7.5
60°-70°	200.1	4.5
70°-80°	77.3	1.8
80°-90°	16.8	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°	2562.7	58.2
0°-40°	3308.4	75.1
0°-60°	4108.8	93.3
0°-90°	4403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4319	
5°	4225	394
15°	3623	1012
25°	2572	1156
35°	1160	746
45°	595	468
55°	369	332
65°	201	200
75°	69	77
85°	17	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4319.0
2.5°	4294.2
5°	4224.9
7.5°	4105.9
10°	3949.8
12.5°	3796.2
15°	3622.7
17.5°	3436.9
20°	3204.0
22.5°	2921.5
25°	2572.1
27.5°	2178.1
30°	1774.2
32.5°	1434.7
35°	1159.7
37.5°	946.6
40°	792.9
42.5°	681.4
45°	594.7
47.5°	527.8
50°	470.8
52.5°	418.8
55°	369.2
57.5°	324.6
60°	280.0
62.5°	240.4
65°	200.7
67.5°	163.5
70°	131.3
72.5°	96.6
75°	69.4
77.5°	47.1
80°	29.7
82.5°	19.8
85°	17.3
87.5°	9.9
90°	0.0

(END OF REPORT)