

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: P365796

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

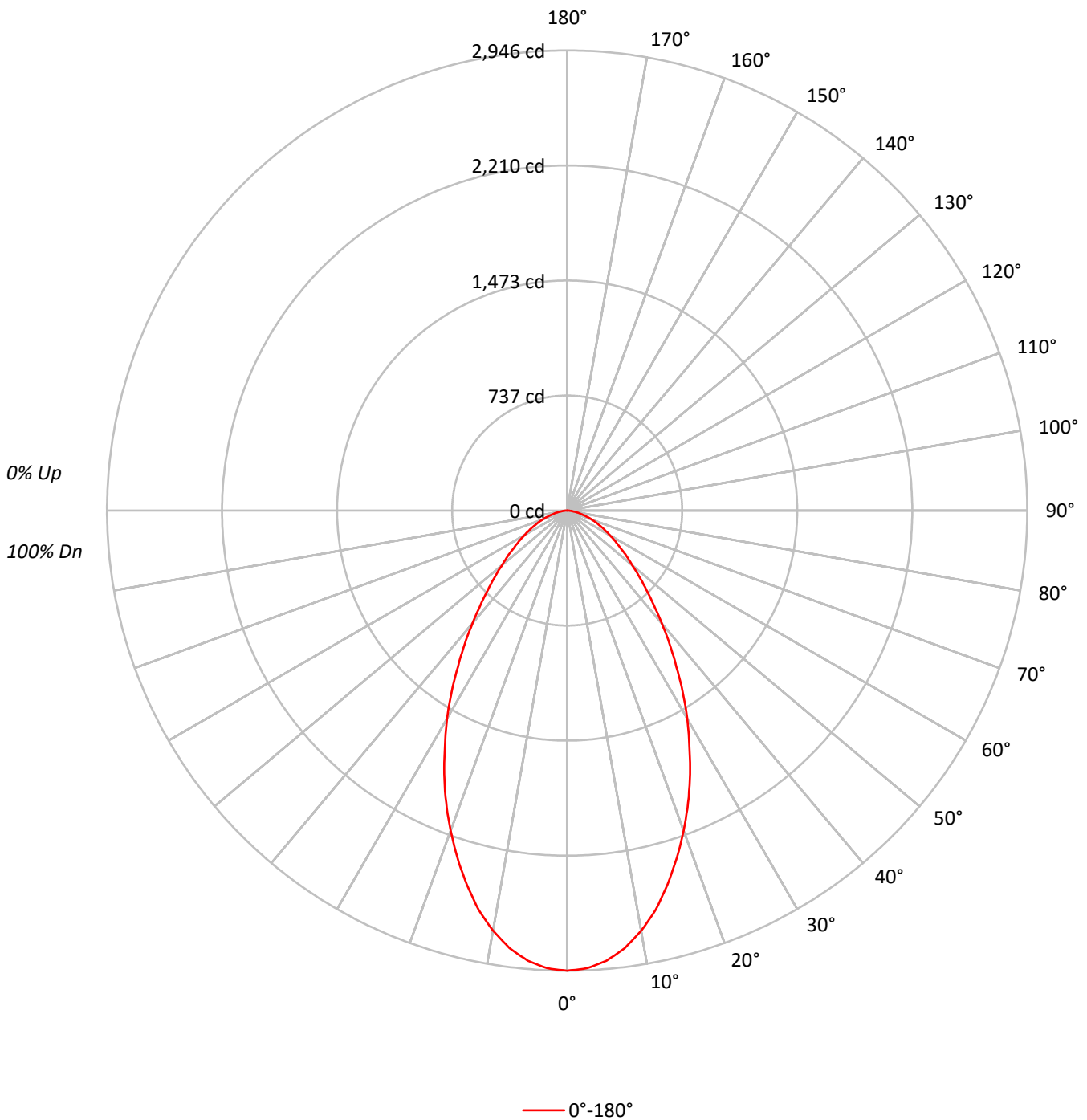
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	210953
5°	207892
10°	198547
15°	183800
20°	166193
25°	147137
30°	127085
35°	106500
40°	88086
45°	72705
50°	60742
55°	52106
60°	45310
65°	39916
70°	34752
75°	29186
80°	24039
85°	18402



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.0	7.0
10°-20°	692.7	17.8
20°-30°	852.1	21.9
30°-40°	763.9	19.6
40°-50°	559.1	14.4
50°-60°	378.0	9.7
60°-70°	234.9	6.0
70°-80°	113.5	2.9
80°-90°	26.8	0.7
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°	1815.7	46.7
0°-40°	2579.6	66.3
0°-60°	3516.8	90.4
0°-90°	3892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2946	
5°	2892	271
15°	2480	693
25°	1862	852
35°	1218	764
45°	718	559
55°	417	378
65°	236	235
75°	106	113
85°	22	27
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2946.2
2.5°	2932.8
5°	2892.4
7.5°	2825.1
10°	2730.8
12.5°	2618.6
15°	2479.5
17.5°	2333.7
20°	2181.1
22.5°	2024.0
25°	1862.4
27.5°	1694.1
30°	1537.1
32.5°	1375.5
35°	1218.4
37.5°	1077.1
40°	942.4
42.5°	821.3
45°	718.0
47.5°	626.0
50°	545.3
52.5°	480.2
55°	417.4
57.5°	365.8
60°	316.4
62.5°	273.8
65°	235.6
67.5°	199.7
70°	166.0
72.5°	134.6
75°	105.5
77.5°	78.5
80°	58.3
82.5°	38.1
85°	22.4
87.5°	9.0
90°	0.0

(END OF REPORT)