

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: P366571

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5186.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

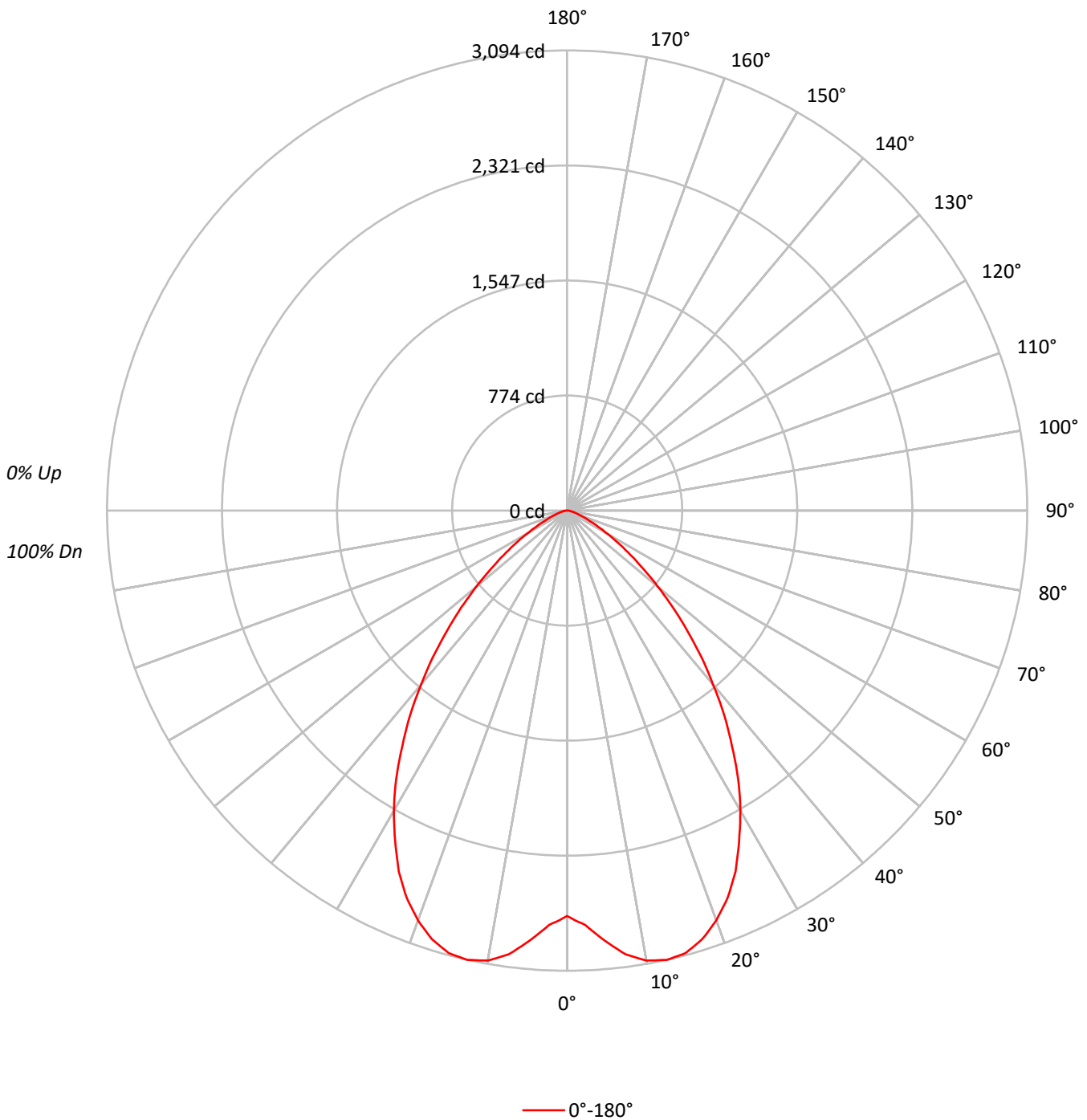
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	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	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	195215
5°	208654
10°	223383
15°	228284
20°	223410
25°	211572
30°	192617
35°	168954
40°	142681
45°	115376
50°	88925
55°	64926
60°	44694
65°	29514
70°	19239
75°	14054
80°	11958
85°	13884



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.6	5.4
10°-20°	862.3	16.6
20°-30°	1221.9	23.6
30°-40°	1205.2	23.2
40°-50°	883.3	17.0
50°-60°	473.6	9.1
60°-70°	182.0	3.5
70°-80°	58.0	1.1
80°-90°	17.1	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°	2366.8	45.6
0°-40°	3571.9	68.9
0°-60°	4928.9	95.0
0°-90°	5186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5186.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2726	
5°	2903	283
15°	3080	862
25°	2678	1222
35°	1933	1205
45°	1139	883
55°	520	474
65°	174	182
75°	51	58
85°	17	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2726.4
2.5°	2789.3
5°	2903.0
7.5°	3009.5
10°	3072.4
12.5°	3094.1
15°	3079.6
17.5°	3021.6
20°	2932.0
22.5°	2818.3
25°	2678.0
27.5°	2503.8
30°	2329.7
32.5°	2141.0
35°	1932.9
37.5°	1734.6
40°	1526.5
42.5°	1335.4
45°	1139.4
47.5°	965.3
50°	798.3
52.5°	648.3
55°	520.1
57.5°	406.4
60°	312.1
62.5°	234.7
65°	174.2
67.5°	128.2
70°	91.9
72.5°	70.2
75°	50.8
77.5°	38.7
80°	29.0
82.5°	21.8
85°	16.9
87.5°	9.7
90°	0.0

(END OF REPORT)