

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: P365869

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3900.0 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

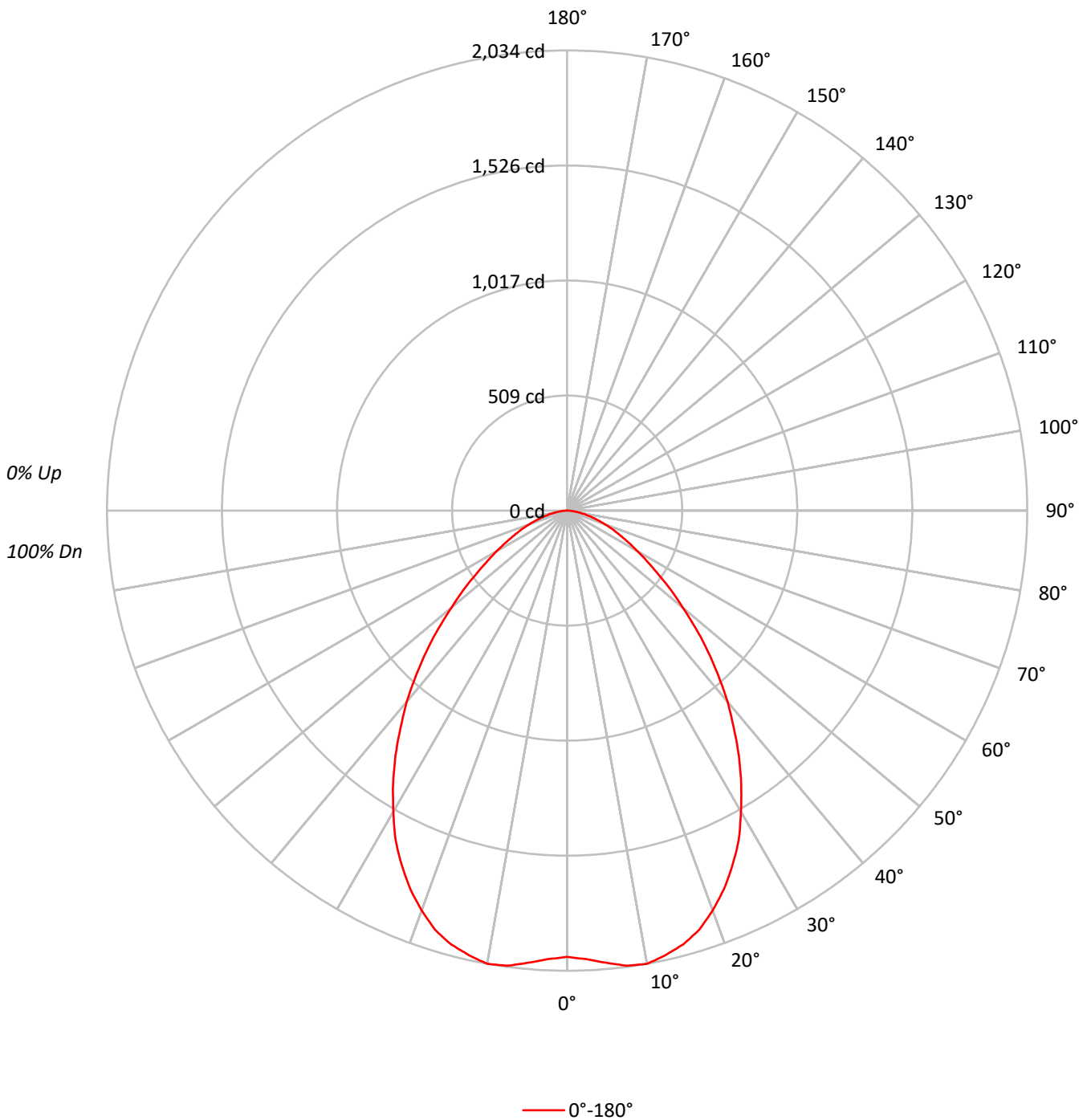
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32

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

	0°
0°	141213
5°	144247
10°	147899
15°	147114
20°	143296
25°	136629
30°	127011
35°	115652
40°	103060
45°	89069
50°	74243
55°	61556
60°	51453
65°	43661
70°	37348
75°	30846
80°	24534
85°	18320



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.6	4.9
10°-20°	557.5	14.3
20°-30°	792.9	20.3
30°-40°	824.4	21.1
40°-50°	677.6	17.4
50°-60°	447.5	11.5
60°-70°	259.3	6.6
70°-80°	120.8	3.1
80°-90°	27.6	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°	1542.9	39.6
0°-40°	2367.3	60.7
0°-60°	3492.4	89.5
0°-90°	3900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1972	
5°	2007	193
15°	1985	557
25°	1729	793
35°	1323	824
45°	880	678
55°	493	447
65°	258	259
75°	112	121
85°	22	28
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1972.2
2.5°	1984.6
5°	2006.9
7.5°	2029.2
10°	2034.2
12.5°	2011.9
15°	1984.6
17.5°	1942.5
20°	1880.6
22.5°	1811.2
25°	1729.4
27.5°	1642.7
30°	1536.2
32.5°	1432.1
35°	1323.1
37.5°	1209.1
40°	1102.6
42.5°	988.6
45°	879.6
47.5°	770.6
50°	666.5
52.5°	579.8
55°	493.1
57.5°	421.2
60°	359.3
62.5°	304.8
65°	257.7
67.5°	218.0
70°	178.4
72.5°	143.7
75°	111.5
77.5°	84.2
80°	59.5
82.5°	39.6
85°	22.3
87.5°	9.9
90°	0.0

(END OF REPORT)