

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: P366409

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366409  
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: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3871.0 lumens  
Efficiency: N/A  
Efficacy: 70.3 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

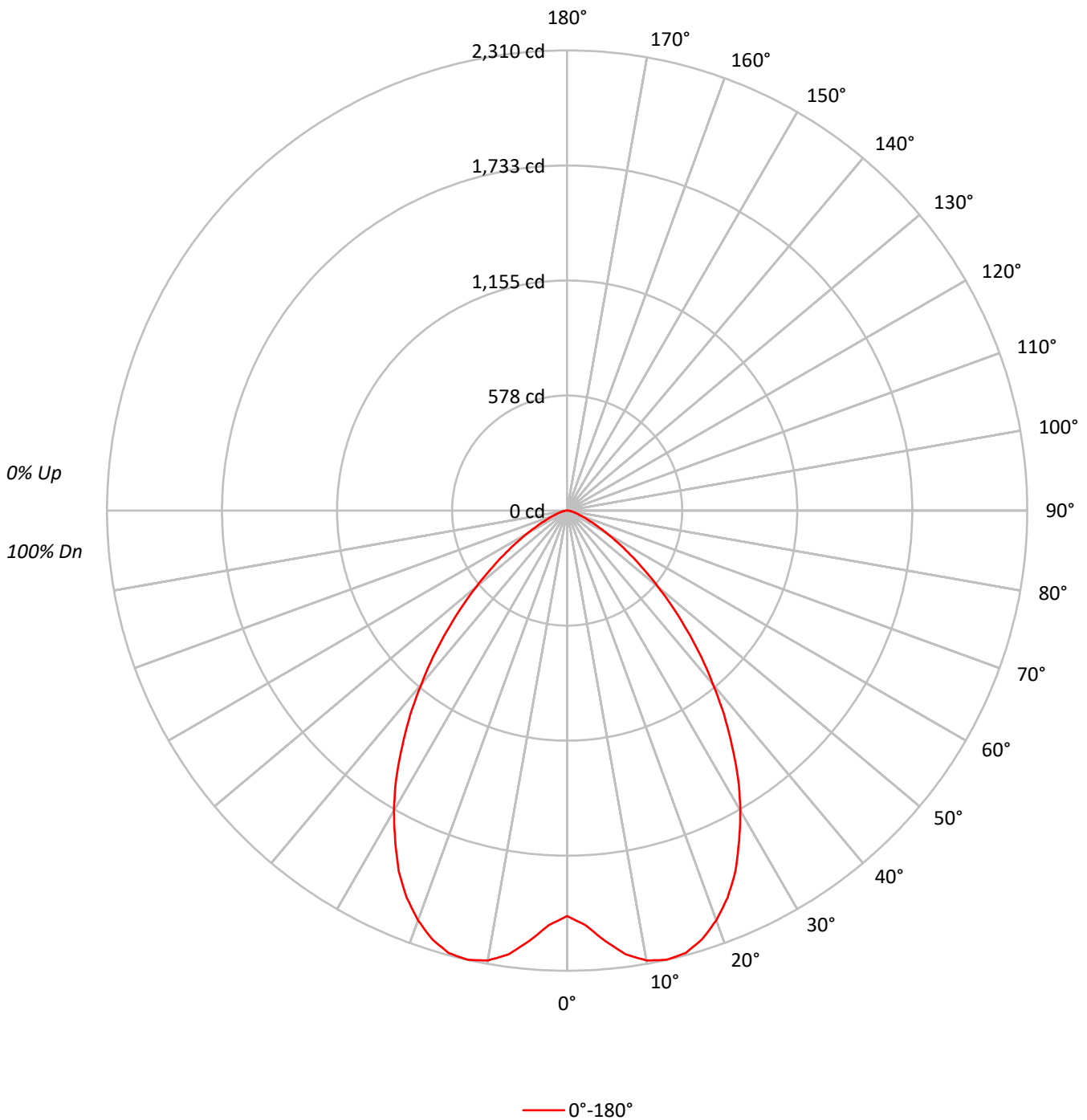
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	145717
5°	155747
10°	166738
15°	170397
20°	166765
25°	157929
30°	143770
35°	126115
40°	106499
45°	86122
50°	66379
55°	48461
60°	33352
65°	22025
70°	14361
75°	10485
80°	8948
85°	10351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.9	5.4
10°-20°	643.7	16.6
20°-30°	912.1	23.6
30°-40°	899.5	23.2
40°-50°	659.4	17.0
50°-60°	353.5	9.1
60°-70°	135.9	3.5
70°-80°	43.3	1.1
80°-90°	12.8	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°	1766.7	45.6
0°-40°	2666.2	68.9
0°-60°	3679.1	95.0
0°-90°	3871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3871.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2035	
5°	2167	211
15°	2299	644
25°	1999	912
35°	1443	900
45°	850	659
55°	388	353
65°	130	136
75°	38	43
85°	13	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2035.1
2.5°	2082.0
5°	2166.9
7.5°	2246.4
10°	2293.3
12.5°	2309.6
15°	2298.7
17.5°	2255.4
20°	2188.6
22.5°	2103.7
25°	1999.0
27.5°	1869.0
30°	1738.9
32.5°	1598.1
35°	1442.8
37.5°	1294.7
40°	1139.4
42.5°	996.8
45°	850.5
47.5°	720.5
50°	595.9
52.5°	483.9
55°	388.2
57.5°	303.4
60°	232.9
62.5°	175.2
65°	130.0
67.5°	95.7
70°	68.6
72.5°	52.4
75°	37.9
77.5°	28.9
80°	21.7
82.5°	16.3
85°	12.6
87.5°	7.2
90°	0.0

(END OF REPORT)