

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: P366354

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3875.1 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

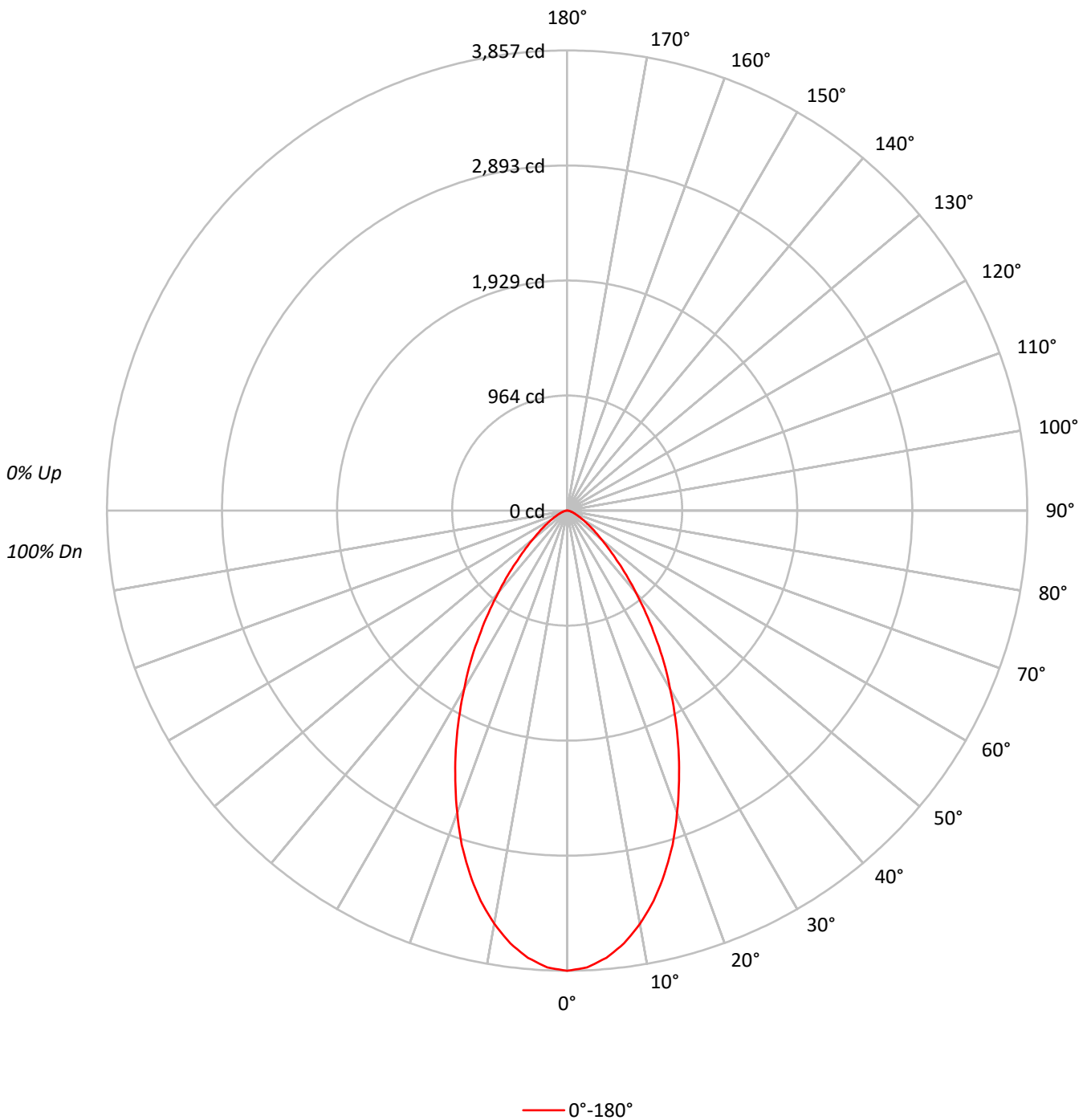
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	276176
5°	270467
10°	255694
15°	233702
20°	205313
25°	174512
30°	142770
35°	112383
40°	83739
45°	59379
50°	41895
55°	30097
60°	21552
65°	15638
70°	12163
75°	9932
80°	8453
85°	8462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.5	9.1
10°-20°	877.2	22.6
20°-30°	1009.1	26.0
30°-40°	805.2	20.8
40°-50°	464.2	12.0
50°-60°	221.3	5.7
60°-70°	95.7	2.5
70°-80°	39.2	1.0
80°-90°	11.6	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°	2237.8	57.7
0°-40°	3043.0	78.5
0°-60°	3728.5	96.2
0°-90°	3875.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3875.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3857	
5°	3763	351
15°	3153	877
25°	2209	1009
35°	1286	805
45°	586	464
55°	241	221
65°	92	96
75°	36	39
85°	10	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3857.1
2.5°	3833.1
5°	3763.0
7.5°	3658.7
10°	3516.8
12.5°	3351.0
15°	3152.7
17.5°	2937.3
20°	2694.5
22.5°	2450.0
25°	2208.9
27.5°	1964.4
30°	1726.8
32.5°	1509.7
35°	1285.7
37.5°	1085.7
40°	895.9
42.5°	733.5
45°	586.4
47.5°	470.2
50°	376.1
52.5°	300.9
55°	241.1
57.5°	189.8
60°	150.5
62.5°	118.0
65°	92.3
67.5°	73.5
70°	58.1
72.5°	46.2
75°	35.9
77.5°	27.4
80°	20.5
82.5°	15.4
85°	10.3
87.5°	6.8
90°	0.0

(END OF REPORT)