

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: P365686

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
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-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4375.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

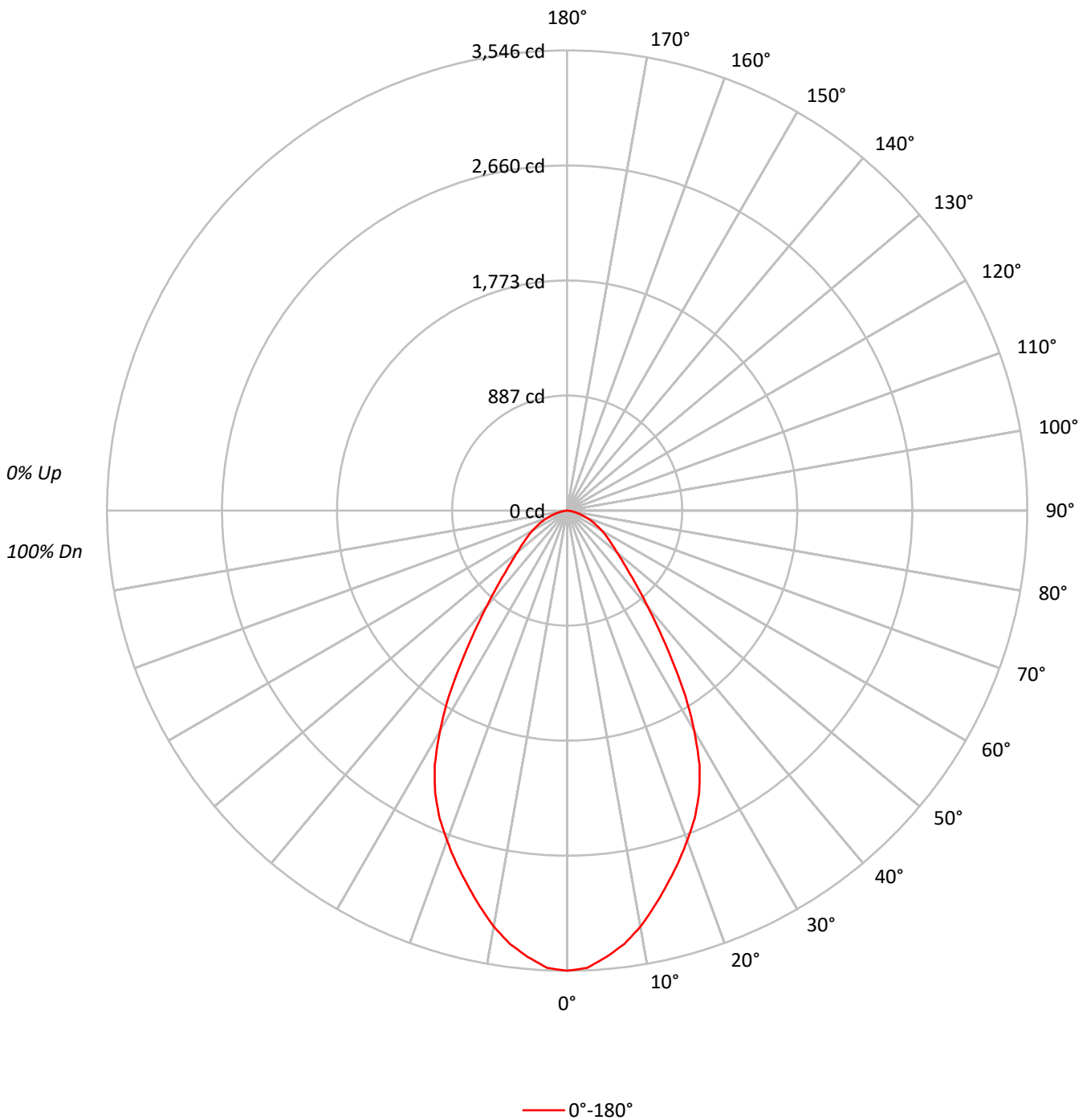
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97		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	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	96846
5°	94691
10°	90274
15°	84277
20°	78647
25°	72509
30°	61754
35°	46978
40°	34392
45°	26164
50°	21260
55°	18663
60°	16772
65°	14827
70°	12547
75°	9910
80°	6811
85°	2821



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.6	7.4
10°-20°	837.1	19.1
20°-30°	1090.9	24.9
30°-40°	888.1	20.3
40°-50°	535.6	12.2
50°-60°	355.0	8.1
60°-70°	227.9	5.2
70°-80°	101.5	2.3
80°-90°	15.2	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°	2251.6	51.5
0°-40°	3139.7	71.8
0°-60°	4030.4	92.1
0°-90°	4375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3546	
5°	3453	324
15°	2980	837
25°	2406	1091
35°	1409	888
45°	677	536
55°	392	355
65°	229	228
75°	94	102
85°	9	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3545.5
2.5°	3527.4
5°	3453.4
7.5°	3368.5
10°	3254.7
12.5°	3119.2
15°	2980.2
17.5°	2844.7
20°	2705.6
22.5°	2566.5
25°	2405.8
27.5°	2208.9
30°	1957.9
32.5°	1696.0
35°	1408.8
37.5°	1168.6
40°	964.5
42.5°	803.7
45°	677.3
47.5°	578.0
50°	500.3
52.5°	444.3
55°	391.9
57.5°	350.4
60°	307.0
62.5°	267.3
65°	229.4
67.5°	193.3
70°	157.1
72.5°	124.6
75°	93.9
77.5°	66.8
80°	43.3
82.5°	23.5
85°	9.0
87.5°	1.8
90°	0.0

(END OF REPORT)