

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: P365684

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
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-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3924.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 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

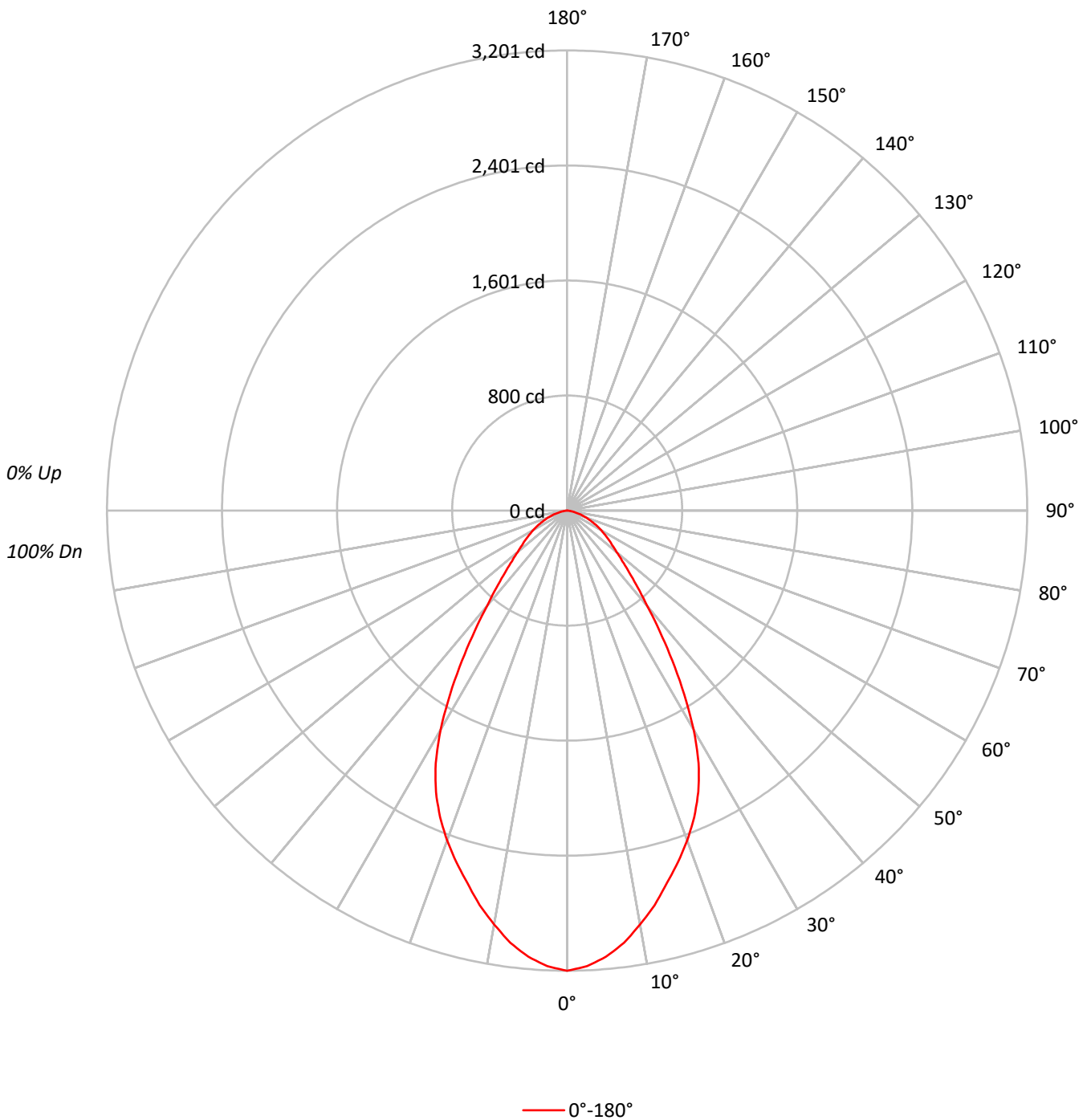
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	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	79	69	62	57	67	61	56	65	60	56	64	59	56	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	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	87442
5°	85401
10°	81080
15°	75821
20°	70959
25°	65082
30°	55525
35°	42506
40°	30904
45°	23576
50°	19106
55°	16768
60°	14892
65°	12953
70°	10957
75°	8570
80°	5679
85°	2257



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.3	7.4
10°-20°	754.0	19.2
20°-30°	980.3	25.0
30°-40°	798.9	20.4
40°-50°	482.4	12.3
50°-60°	316.8	8.1
60°-70°	200.1	5.1
70°-80°	87.4	2.2
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°	2025.6	51.6
0°-40°	2824.5	72.0
0°-60°	3623.7	92.3
0°-90°	3924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3924.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3201	
5°	3115	291
15°	2681	754
25°	2159	980
35°	1275	799
45°	610	482
55°	352	317
65°	200	200
75°	81	87
85°	7	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3201.2
2.5°	3172.3
5°	3114.6
7.5°	3031.5
10°	2923.2
12.5°	2811.2
15°	2681.2
17.5°	2563.9
20°	2441.1
22.5°	2309.3
25°	2159.4
27.5°	1980.7
30°	1760.4
32.5°	1514.9
35°	1274.7
37.5°	1054.4
40°	866.7
42.5°	725.8
45°	610.3
47.5°	520.0
50°	449.6
52.5°	395.4
55°	352.1
57.5°	310.6
60°	272.6
62.5°	236.5
65°	200.4
67.5°	167.9
70°	137.2
72.5°	108.3
75°	81.2
77.5°	56.0
80°	36.1
82.5°	19.9
85°	7.2
87.5°	1.8
90°	0.0

(END OF REPORT)