

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: P365668

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365668  
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-FEU6B35-8040-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: 4272.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

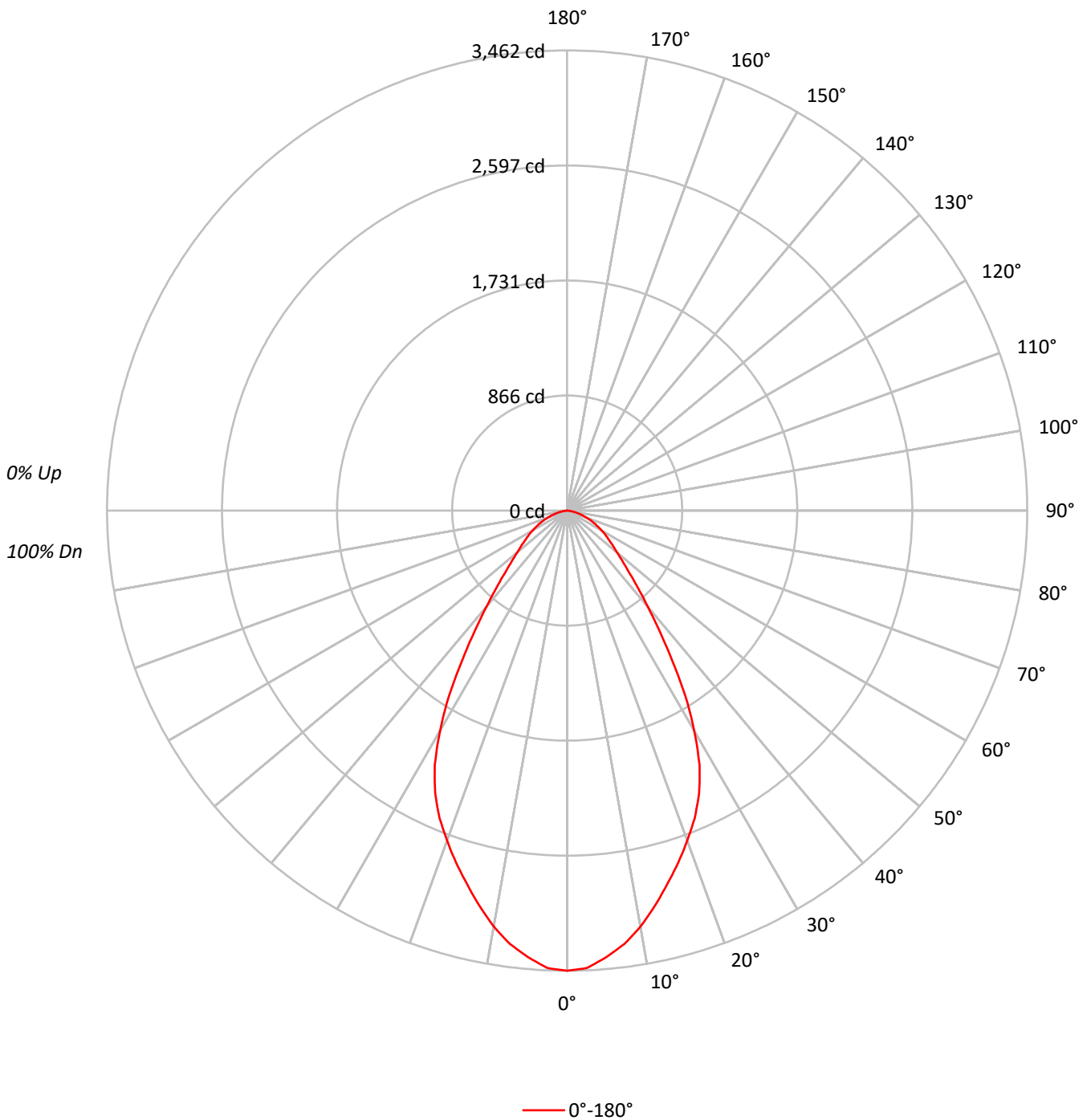
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	94565
5°	92462
10°	88150
15°	82291
20°	76796
25°	70803
30°	60300
35°	45870
40°	33582
45°	25550
50°	20759
55°	18225
60°	16378
65°	14478
70°	12251
75°	9678
80°	6654
85°	2758



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.0	7.4
10°-20°	817.4	19.1
20°-30°	1065.2	24.9
30°-40°	867.2	20.3
40°-50°	523.0	12.2
50°-60°	346.7	8.1
60°-70°	222.5	5.2
70°-80°	99.2	2.3
80°-90°	14.8	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°	2198.6	51.5
0°-40°	3065.8	71.8
0°-60°	3935.5	92.1
0°-90°	4272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3462	
5°	3372	316
15°	2910	817
25°	2349	1065
35°	1376	867
45°	661	523
55°	383	347
65°	224	222
75°	92	99
85°	9	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3462.0
2.5°	3444.4
5°	3372.1
7.5°	3289.2
10°	3178.1
12.5°	3045.8
15°	2910.0
17.5°	2777.7
20°	2641.9
22.5°	2506.1
25°	2349.2
27.5°	2156.9
30°	1911.8
32.5°	1656.1
35°	1375.6
37.5°	1141.1
40°	941.8
42.5°	784.8
45°	661.4
47.5°	564.4
50°	488.5
52.5°	433.9
55°	382.7
57.5°	342.1
60°	299.8
62.5°	261.0
65°	224.0
67.5°	188.7
70°	153.4
72.5°	121.7
75°	91.7
77.5°	65.3
80°	42.3
82.5°	22.9
85°	8.8
87.5°	1.8
90°	0.0

(END OF REPORT)