

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: P364898

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3573.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

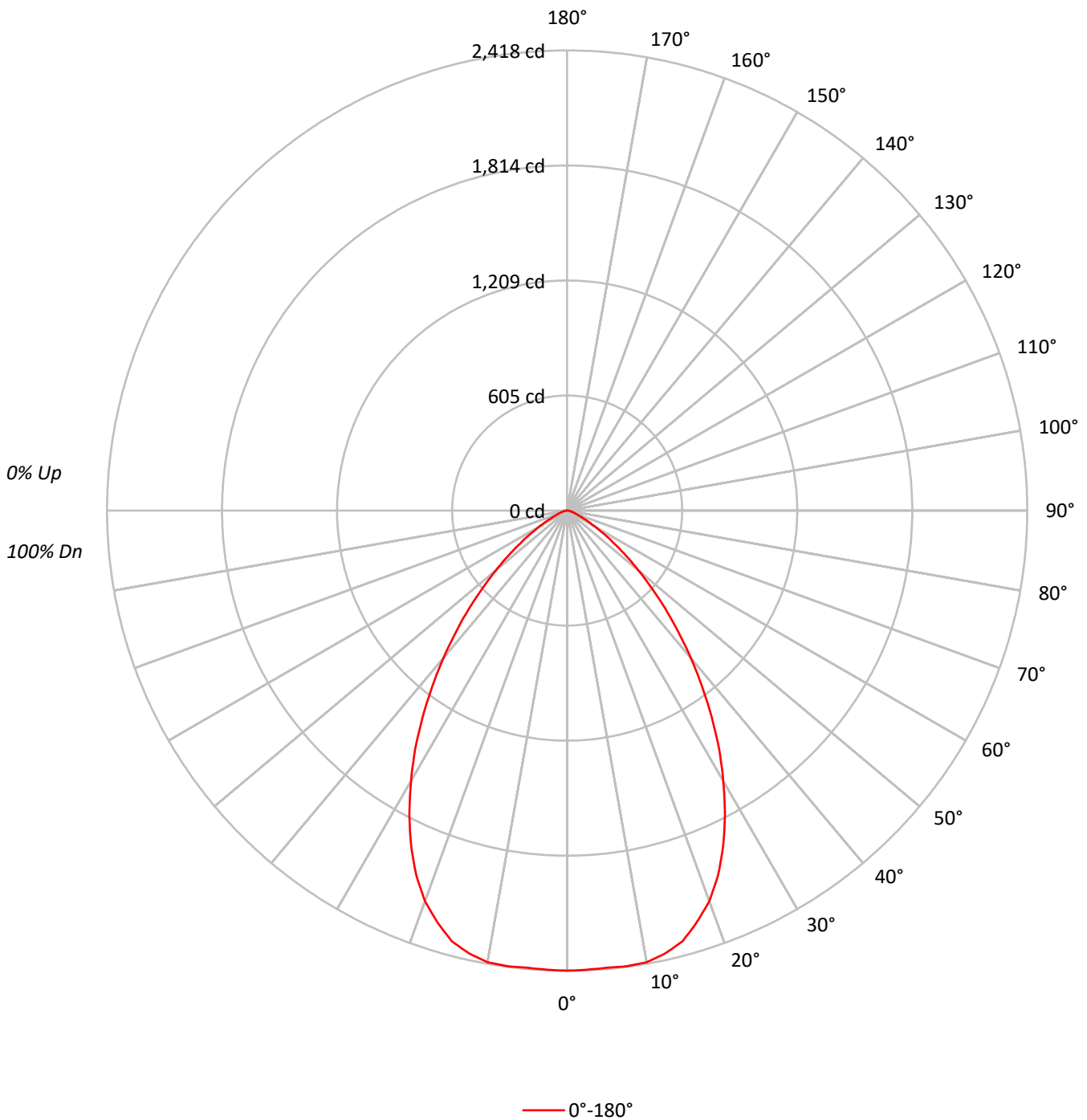
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
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	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	173112
5°	173299
10°	175186
15°	173637
20°	166392
25°	153268
30°	135651
35°	115669
40°	94488
45°	73869
50°	54482
55°	37775
60°	24130
65°	14689
70°	9923
75°	7691
80°	6762
85°	9448



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	6.4
10°-20°	655.0	18.3
20°-30°	886.0	24.8
30°-40°	824.2	23.1
40°-50°	564.7	15.8
50°-60°	278.3	7.8
60°-70°	93.0	2.6
70°-80°	30.8	0.9
80°-90°	10.7	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°	1771.3	49.6
0°-40°	2595.5	72.6
0°-60°	3438.5	96.2
0°-90°	3573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3573.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2418	
5°	2411	230
15°	2342	655
25°	1940	886
35°	1323	824
45°	730	565
55°	303	278
65°	87	93
75°	28	31
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2417.7
2.5°	2414.4
5°	2411.1
7.5°	2414.4
10°	2409.5
12.5°	2383.3
15°	2342.4
17.5°	2267.2
20°	2183.7
22.5°	2072.5
25°	1940.0
27.5°	1796.1
30°	1640.7
32.5°	1485.3
35°	1323.3
37.5°	1163.0
40°	1010.9
42.5°	863.7
45°	729.5
47.5°	602.0
50°	489.1
52.5°	390.9
55°	302.6
57.5°	230.6
60°	168.5
62.5°	121.0
65°	86.7
67.5°	62.2
70°	47.4
72.5°	36.0
75°	27.8
77.5°	21.3
80°	16.4
82.5°	13.1
85°	11.5
87.5°	6.5
90°	0.0

(END OF REPORT)