

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: P366338

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
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-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3514.0 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

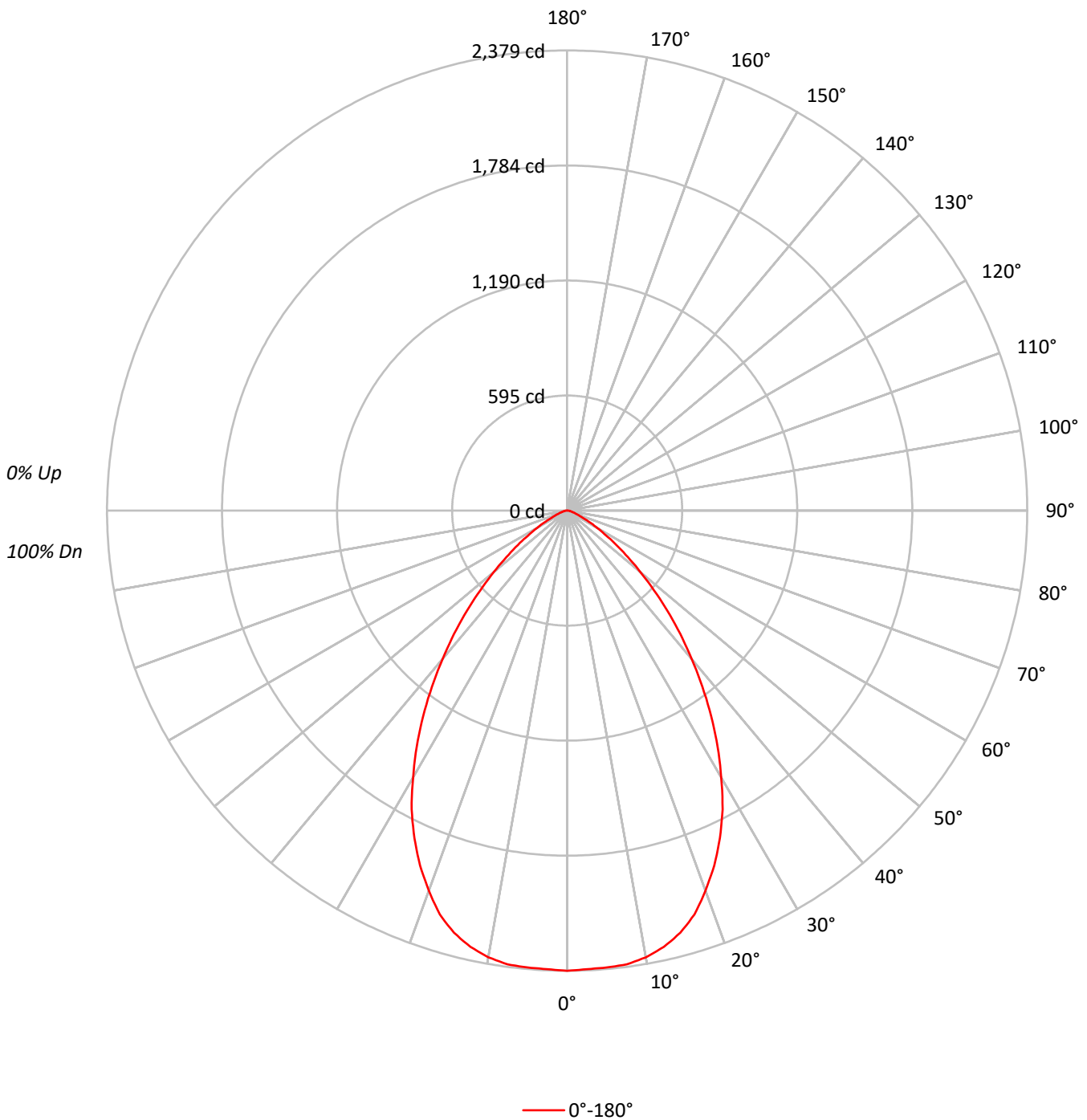
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	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	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	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	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	170362
5°	170424
10°	170489
15°	167514
20°	159351
25°	147635
30°	131773
35°	113423
40°	93600
45°	74062
50°	55050
55°	38811
60°	25777
65°	15807
70°	10279
75°	7691
80°	6762
85°	8051



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	6.4
10°-20°	632.6	18.0
20°-30°	854.1	24.3
30°-40°	808.1	23.0
40°-50°	566.4	16.1
50°-60°	285.0	8.1
60°-70°	100.7	2.9
70°-80°	31.5	0.9
80°-90°	9.8	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°	1712.4	48.7
0°-40°	2520.5	71.7
0°-60°	3372.0	96.0
0°-90°	3514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3514.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2379	
5°	2371	226
15°	2260	633
25°	1869	854
35°	1298	808
45°	731	566
55°	311	285
65°	93	101
75°	28	31
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2379.3
2.5°	2372.7
5°	2371.1
7.5°	2366.2
10°	2344.9
12.5°	2310.5
15°	2259.8
17.5°	2189.4
20°	2091.3
22.5°	1986.5
25°	1868.7
27.5°	1741.1
30°	1593.8
32.5°	1448.2
35°	1297.6
37.5°	1148.7
40°	1001.4
42.5°	865.6
45°	731.4
47.5°	608.7
50°	494.2
52.5°	396.0
55°	310.9
57.5°	238.9
60°	180.0
62.5°	132.5
65°	93.3
67.5°	68.7
70°	49.1
72.5°	37.6
75°	27.8
77.5°	21.3
80°	16.4
82.5°	13.1
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)