

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: P366360

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3729.0 lumens  
Efficiency: N/A  
Efficacy: 67.7 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

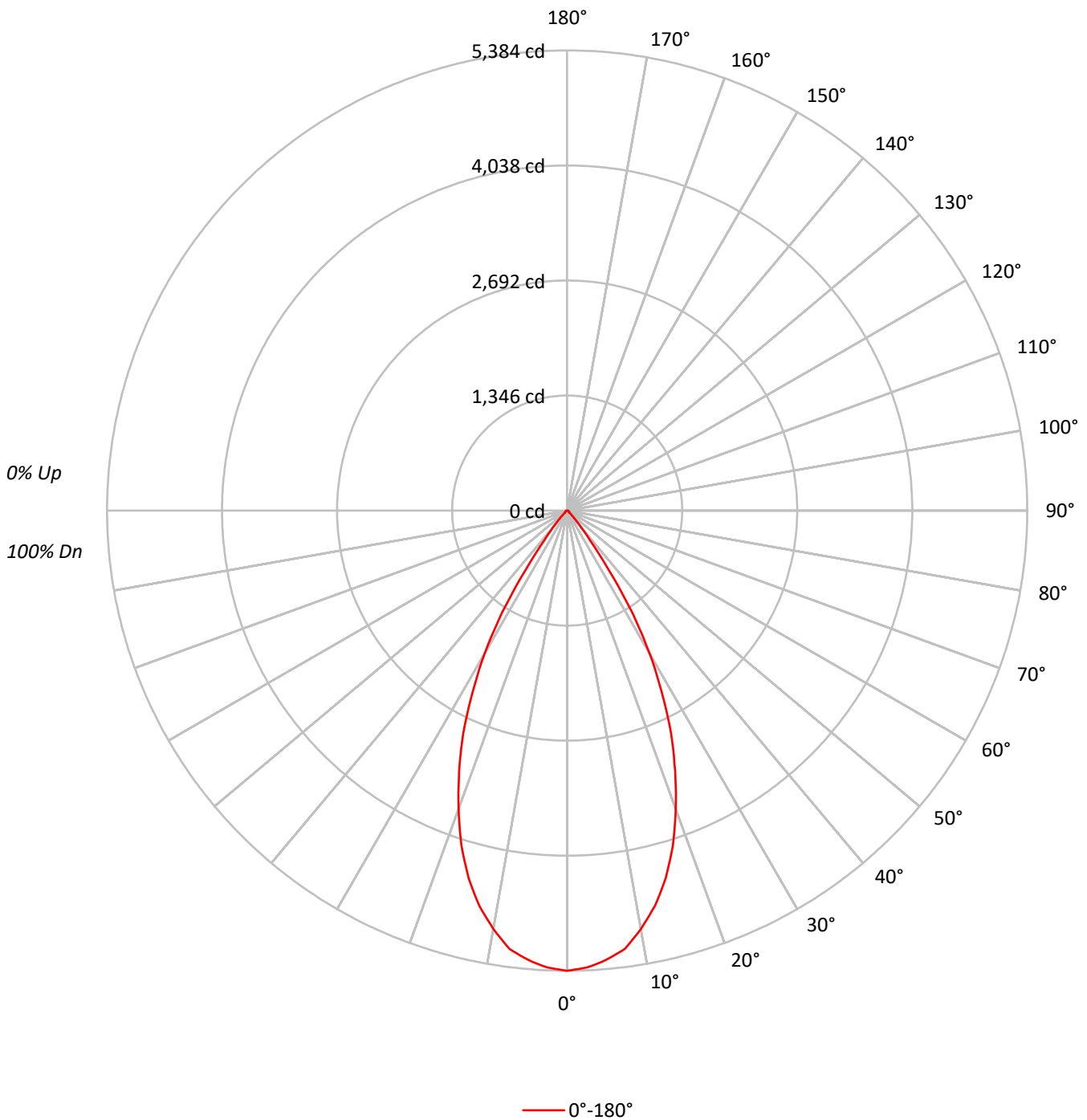
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	385540
5°	379193
10°	361307
15°	330157
20°	283126
25°	227176
30°	159281
35°	73590
40°	23620
45°	7625
50°	3542
55°	3133
60°	3122
65°	2829
70°	2805
75°	3237
80°	4123
85°	6901



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.8	13.3
10°-20°	1232.5	33.1
20°-30°	1294.4	34.7
30°-40°	574.4	15.4
40°-50°	74.2	2.0
50°-60°	23.2	0.6
60°-70°	16.3	0.4
70°-80°	11.9	0.3
80°-90°	7.3	0.2
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°	3021.6	81.0
0°-40°	3596.0	96.4
0°-60°	3693.4	99.0
0°-90°	3729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5384	
5°	5276	495
15°	4454	1232
25°	2876	1294
35°	842	574
45°	75	74
55°	25	23
65°	17	16
75°	12	12
85°	8	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5384.5
2.5°	5351.0
5°	5275.7
7.5°	5173.6
10°	4969.4
12.5°	4740.1
15°	4453.9
17.5°	4110.8
20°	3715.7
22.5°	3300.7
25°	2875.5
27.5°	2398.5
30°	1926.5
32.5°	1416.0
35°	841.9
37.5°	448.6
40°	252.7
42.5°	138.9
45°	75.3
47.5°	38.5
50°	31.8
52.5°	28.5
55°	25.1
57.5°	23.4
60°	21.8
62.5°	18.4
65°	16.7
67.5°	13.4
70°	13.4
72.5°	11.7
75°	11.7
77.5°	10.0
80°	10.0
82.5°	8.4
85°	8.4
87.5°	5.0
90°	0.0

(END OF REPORT)