

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: P365624

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
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-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3066.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

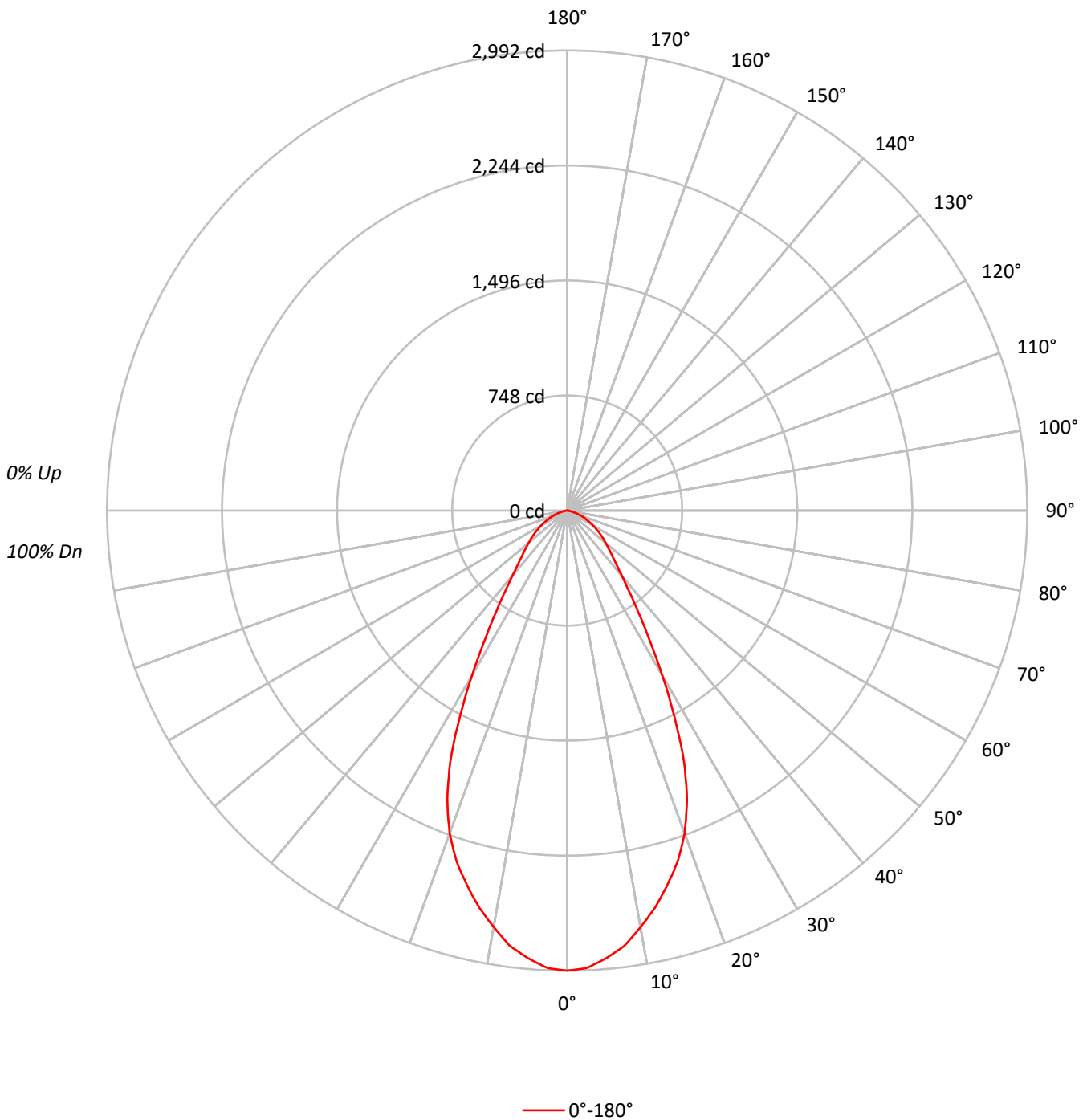
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	214204
5°	209962
10°	199906
15°	186720
20°	170118
25°	142017
30°	102100
35°	70487
40°	51520
45°	41740
50°	36437
55°	32257
60°	28111
65°	23838
70°	19176
75°	13583
80°	9443
85°	10762



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	8.9
10°-20°	704.4	23.0
20°-30°	805.2	26.3
30°-40°	518.0	16.9
40°-50°	324.7	10.6
50°-60°	231.8	7.6
60°-70°	140.6	4.6
70°-80°	55.1	1.8
80°-90°	12.5	0.4
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°	1783.3	58.2
0°-40°	2301.4	75.1
0°-60°	2857.9	93.2
0°-90°	3066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2992	
5°	2921	274
15°	2519	704
25°	1798	805
35°	806	518
45°	412	325
55°	258	232
65°	141	141
75°	49	55
85°	13	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2991.6
2.5°	2976.8
5°	2921.2
7.5°	2854.2
10°	2749.5
12.5°	2643.2
15°	2518.9
17.5°	2391.3
20°	2232.6
22.5°	2036.4
25°	1797.6
27.5°	1509.7
30°	1234.9
32.5°	992.8
35°	806.4
37.5°	659.2
40°	551.2
42.5°	471.1
45°	412.2
47.5°	366.4
50°	327.1
52.5°	292.8
55°	258.4
57.5°	225.7
60°	196.3
62.5°	168.5
65°	140.7
67.5°	116.1
70°	91.6
72.5°	68.7
75°	49.1
77.5°	34.3
80°	22.9
82.5°	14.7
85°	13.1
87.5°	6.5
90°	0.0

(END OF REPORT)