

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: P366254

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3062.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

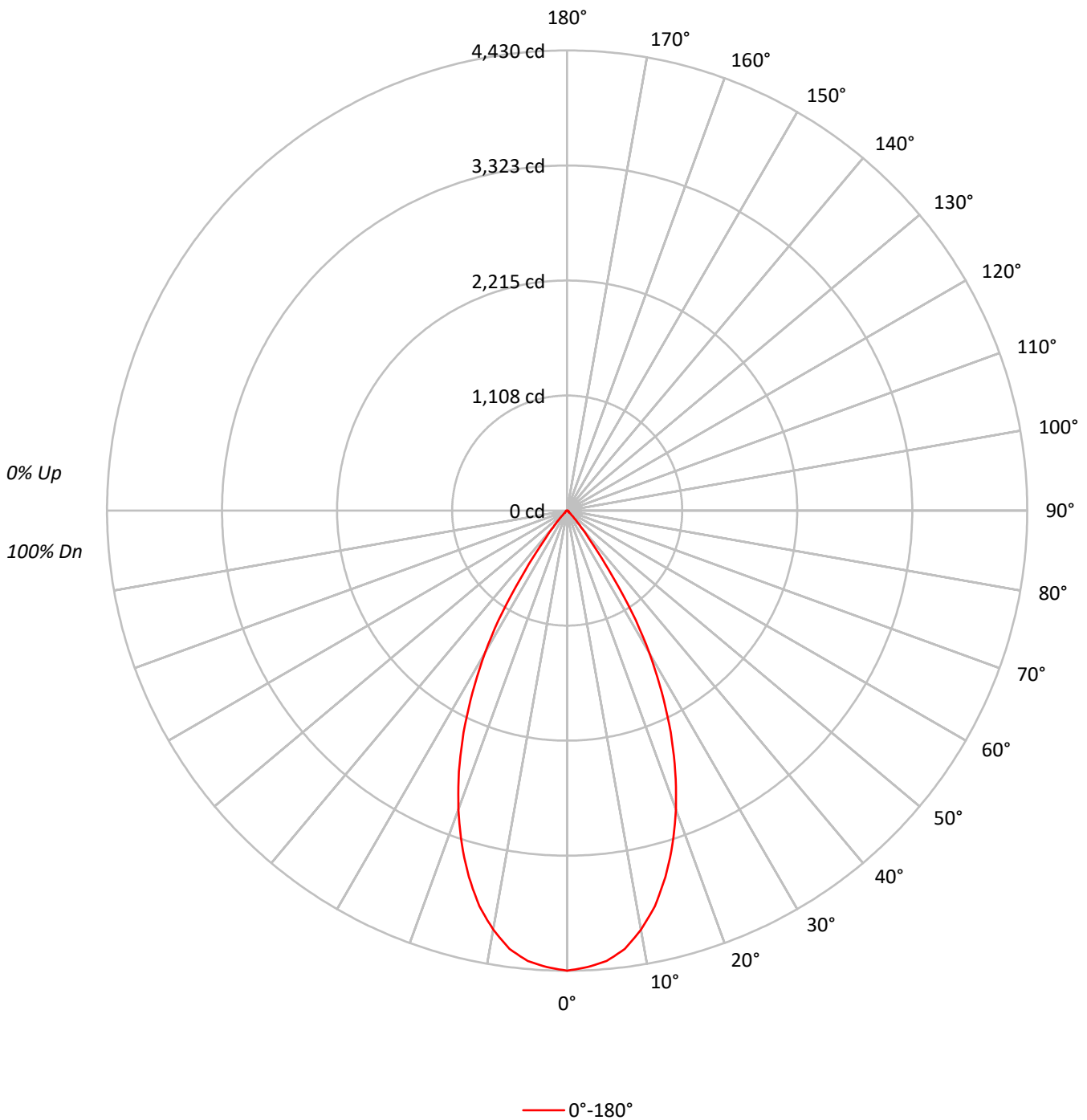
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	317175
5°	312895
10°	297835
15°	270751
20°	233148
25°	186378
30°	130682
35°	60793
40°	19208
45°	6005
50°	2640
55°	2472
60°	2263
65°	2016
70°	2198
75°	2545
80°	3257
85°	5422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.5	13.3
10°-20°	1012.8	33.1
20°-30°	1064.7	34.8
30°-40°	472.4	15.4
40°-50°	59.1	1.9
50°-60°	17.7	0.6
60°-70°	12.4	0.4
70°-80°	9.7	0.3
80°-90°	5.8	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°	2485.0	81.2
0°-40°	2957.4	96.6
0°-60°	3034.2	99.1
0°-90°	3062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4430	
5°	4353	407
15°	3652	1013
25°	2359	1065
35°	696	472
45°	59	59
55°	20	18
65°	12	12
75°	9	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4429.7
2.5°	4400.7
5°	4353.3
7.5°	4255.8
10°	4096.4
12.5°	3901.5
15°	3652.5
17.5°	3372.0
20°	3059.8
22.5°	2721.3
25°	2359.1
27.5°	1974.5
30°	1580.6
32.5°	1163.1
35°	695.5
37.5°	370.1
40°	205.5
42.5°	112.0
45°	59.3
47.5°	29.0
50°	23.7
52.5°	21.1
55°	19.8
57.5°	18.4
60°	15.8
62.5°	14.5
65°	11.9
67.5°	10.5
70°	10.5
72.5°	9.2
75°	9.2
77.5°	9.2
80°	7.9
82.5°	6.6
85°	6.6
87.5°	4.0
90°	0.0

(END OF REPORT)