

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: P366218

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366218  
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: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2350.1 lumens  
Efficiency: N/A  
Efficacy: 87.0 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

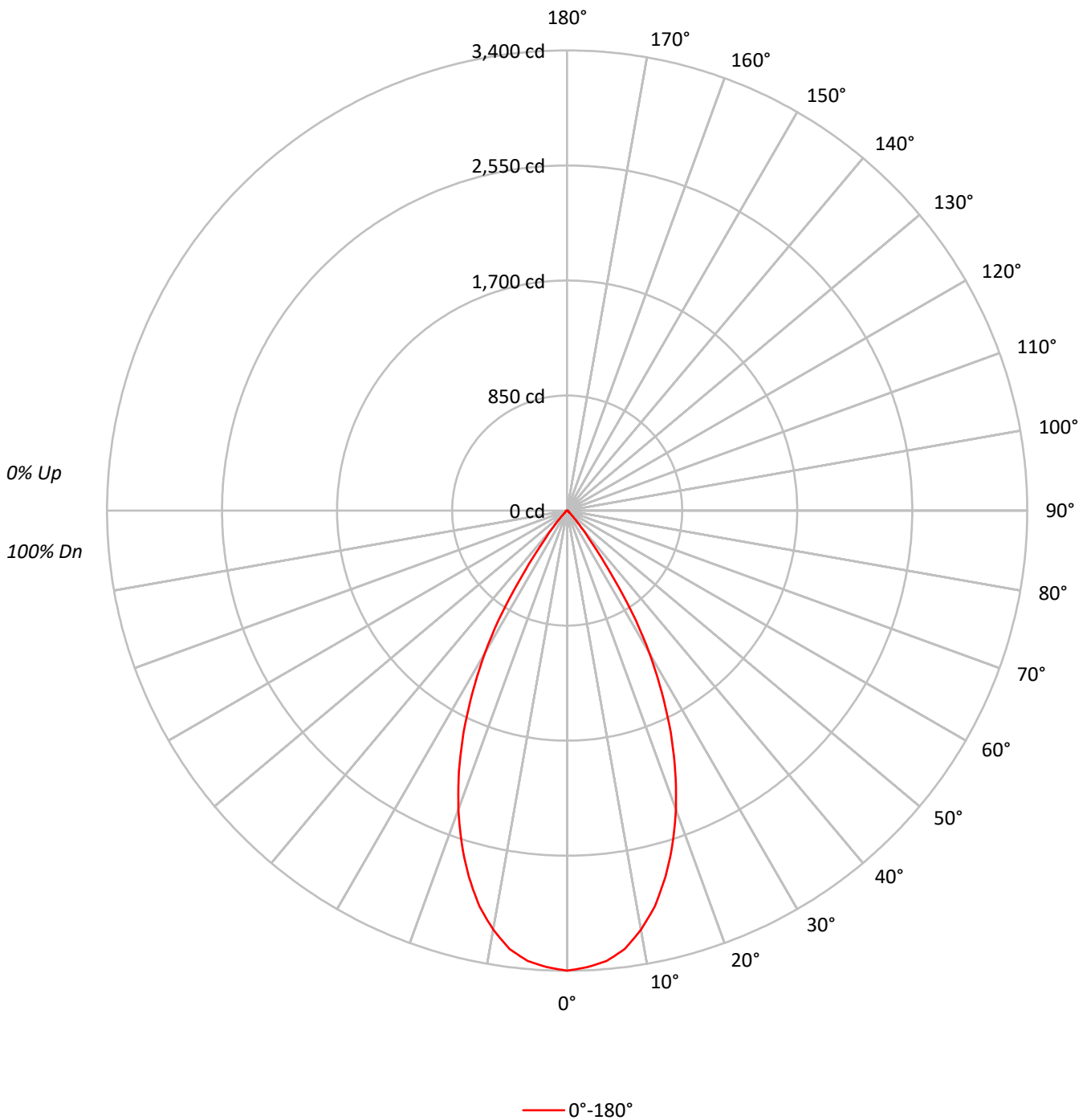
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	243418
5°	240136
10°	228582
15°	207795
20°	178934
25°	143037
30°	100298
35°	46659
40°	14740
45°	4607
50°	2027
55°	1897
60°	1733
65°	1542
70°	1696
75°	1964
80°	2515
85°	4190



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.7	13.3
10°-20°	777.3	33.1
20°-30°	817.1	34.8
30°-40°	362.5	15.4
40°-50°	45.3	1.9
50°-60°	13.6	0.6
60°-70°	9.5	0.4
70°-80°	7.5	0.3
80°-90°	4.4	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°	1907.2	81.2
0°-40°	2269.7	96.6
0°-60°	2328.6	99.1
0°-90°	2350.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3400	
5°	3341	313
15°	2803	777
25°	1810	817
35°	534	363
45°	46	45
55°	15	14
65°	9	9
75°	7	8
85°	5	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3399.6
2.5°	3377.4
5°	3341.0
7.5°	3266.2
10°	3143.9
12.5°	2994.3
15°	2803.2
17.5°	2587.9
20°	2348.3
22.5°	2088.5
25°	1810.5
27.5°	1515.3
30°	1213.1
32.5°	892.6
35°	533.8
37.5°	284.1
40°	157.7
42.5°	85.9
45°	45.5
47.5°	22.2
50°	18.2
52.5°	16.2
55°	15.2
57.5°	14.2
60°	12.1
62.5°	11.1
65°	9.1
67.5°	8.1
70°	8.1
72.5°	7.1
75°	7.1
77.5°	7.1
80°	6.1
82.5°	5.1
85°	5.1
87.5°	3.0
90°	0.0

(END OF REPORT)