

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: P236139

Luminaire Tested: **FLD6BX15D010 EU6B1/28040 F6LBXSM1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P236139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010 EU6B1/28040 F6LBXSM1LI  
Description: FAILSAFE 6 INCH RECESSED LED DOWNLIGHT  
6" LED Sealed Medical, Medium (50° Beam), Specular Clear, Bottom open  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1359.0 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

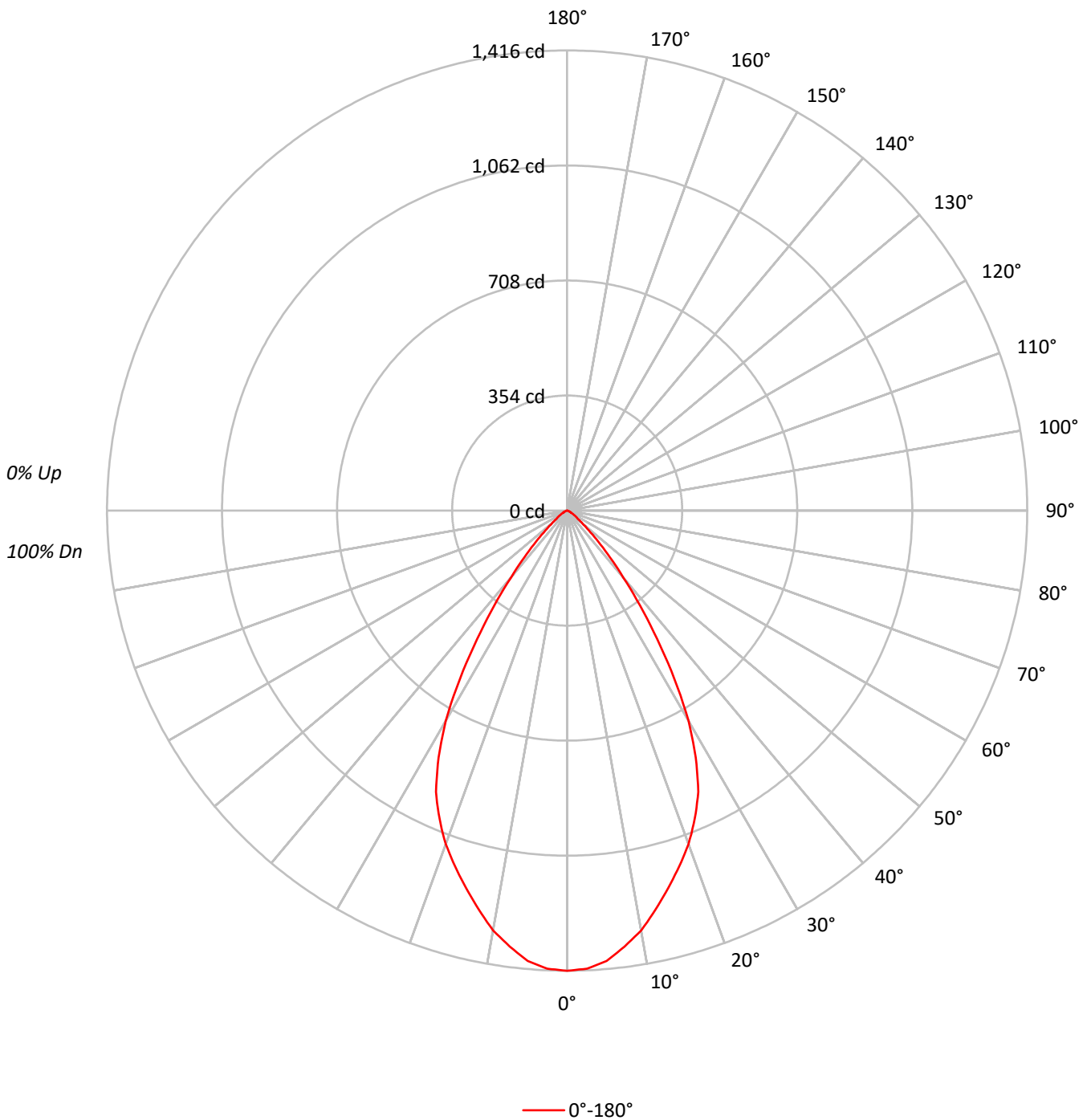
Input Watts (W): 14.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48

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

	0°
0°	92387
5°	91123
10°	86910
15°	81192
20°	75836
25°	68753
30°	56236
35°	38468
40°	22910
45°	12410
50°	6130
55°	3742
60°	2505
65°	1698
70°	1049
75°	681
80°	1014
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.1	9.6
10°-20°	337.6	24.8
20°-30°	430.1	31.6
30°-40°	304.0	22.4
40°-50°	111.0	8.2
50°-60°	30.8	2.3
60°-70°	11.1	0.8
70°-80°	4.0	0.3
80°-90°	0.4	0.0
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°	897.8	66.1
0°-40°	1201.8	88.4
0°-60°	1343.5	98.9
0°-90°	1359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1416	
5°	1391	130
15°	1202	338
25°	955	430
35°	483	304
45°	134	111
55°	33	31
65°	11	11
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1416.1
2.5°	1410.7
5°	1391.4
7.5°	1353.0
10°	1311.9
12.5°	1257.0
15°	1202.1
17.5°	1147.2
20°	1092.3
22.5°	1026.4
25°	955.1
27.5°	856.3
30°	746.5
32.5°	614.8
35°	483.0
37.5°	367.8
40°	269.0
42.5°	194.9
45°	134.5
47.5°	90.6
50°	60.4
52.5°	41.2
55°	32.9
57.5°	24.7
60°	19.2
62.5°	13.7
65°	11.0
67.5°	8.2
70°	5.5
72.5°	5.5
75°	2.7
77.5°	2.7
80°	2.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)