

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: P366021

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1129.1 lumens  
Efficiency: N/A  
Efficacy: 79.5 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

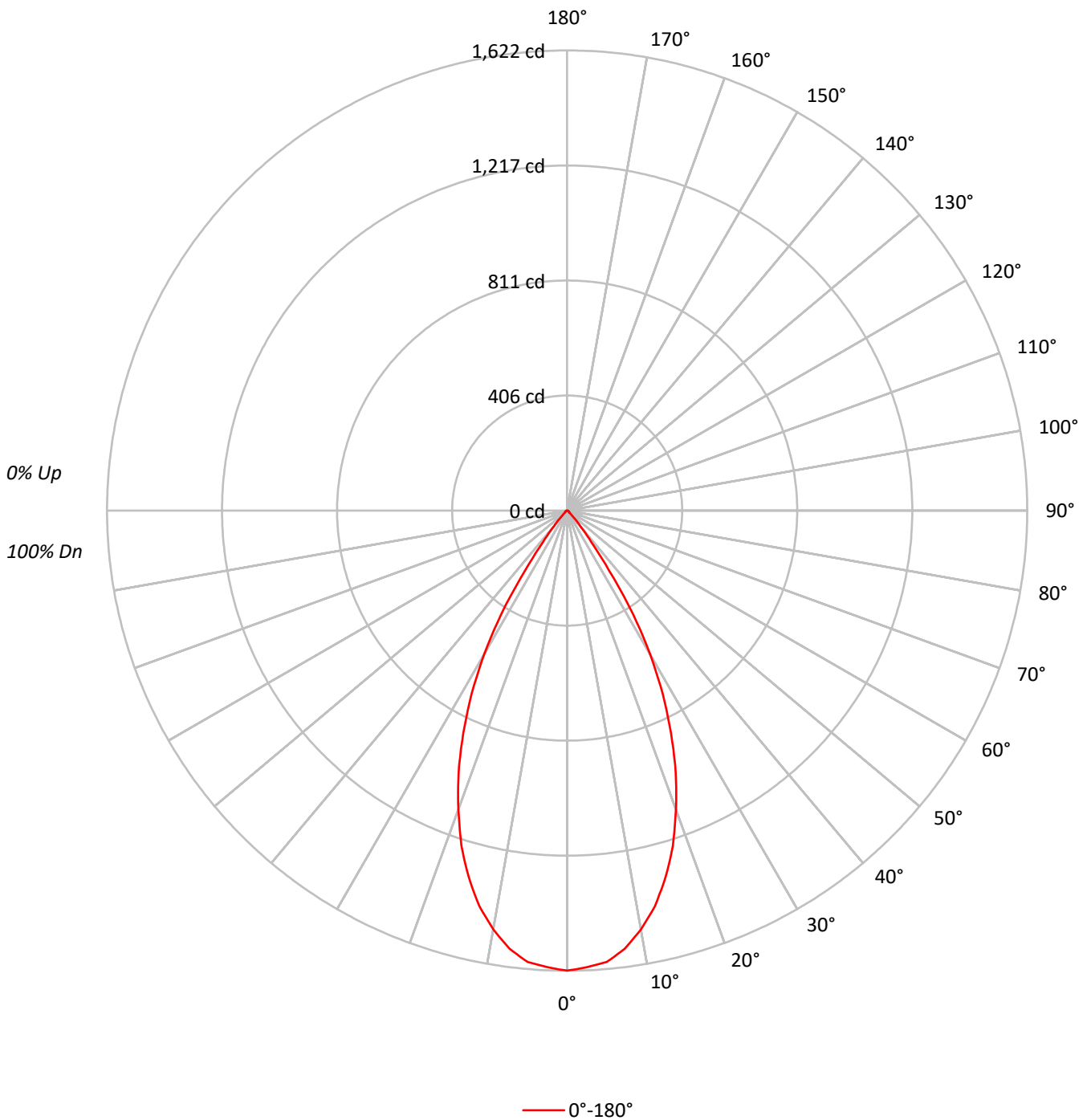
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	116102
5°	114792
10°	108980
15°	99242
20°	85409
25°	68425
30°	48276
35°	22359
40°	7272
45°	2319
50°	1114
55°	999
60°	931
65°	847
70°	837
75°	1107
80°	1237
85°	2054



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	13.2
10°-20°	371.3	32.9
20°-30°	391.8	34.7
30°-40°	175.3	15.5
40°-50°	23.0	2.0
50°-60°	7.1	0.6
60°-70°	5.0	0.4
70°-80°	4.0	0.4
80°-90°	2.3	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°	912.4	80.8
0°-40°	1087.7	96.3
0°-60°	1117.8	99.0
0°-90°	1129.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1622	
5°	1597	149
15°	1339	371
25°	866	392
35°	256	175
45°	23	23
55°	8	7
65°	5	5
75°	4	4
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1621.5
2.5°	1611.1
5°	1597.1
7.5°	1557.7
10°	1498.9
12.5°	1428.6
15°	1338.8
17.5°	1239.1
20°	1120.9
22.5°	1000.7
25°	866.1
27.5°	730.0
30°	583.9
32.5°	432.8
35°	255.8
37.5°	139.1
40°	77.8
42.5°	43.4
45°	22.9
47.5°	12.0
50°	10.0
52.5°	8.5
55°	8.0
57.5°	7.0
60°	6.5
62.5°	5.5
65°	5.0
67.5°	4.5
70°	4.0
72.5°	4.0
75°	4.0
77.5°	3.5
80°	3.0
82.5°	3.0
85°	2.5
87.5°	1.5
90°	0.0

(END OF REPORT)