

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: P366054

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1124.9 lumens  
Efficiency: N/A  
Efficacy: 79.2 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

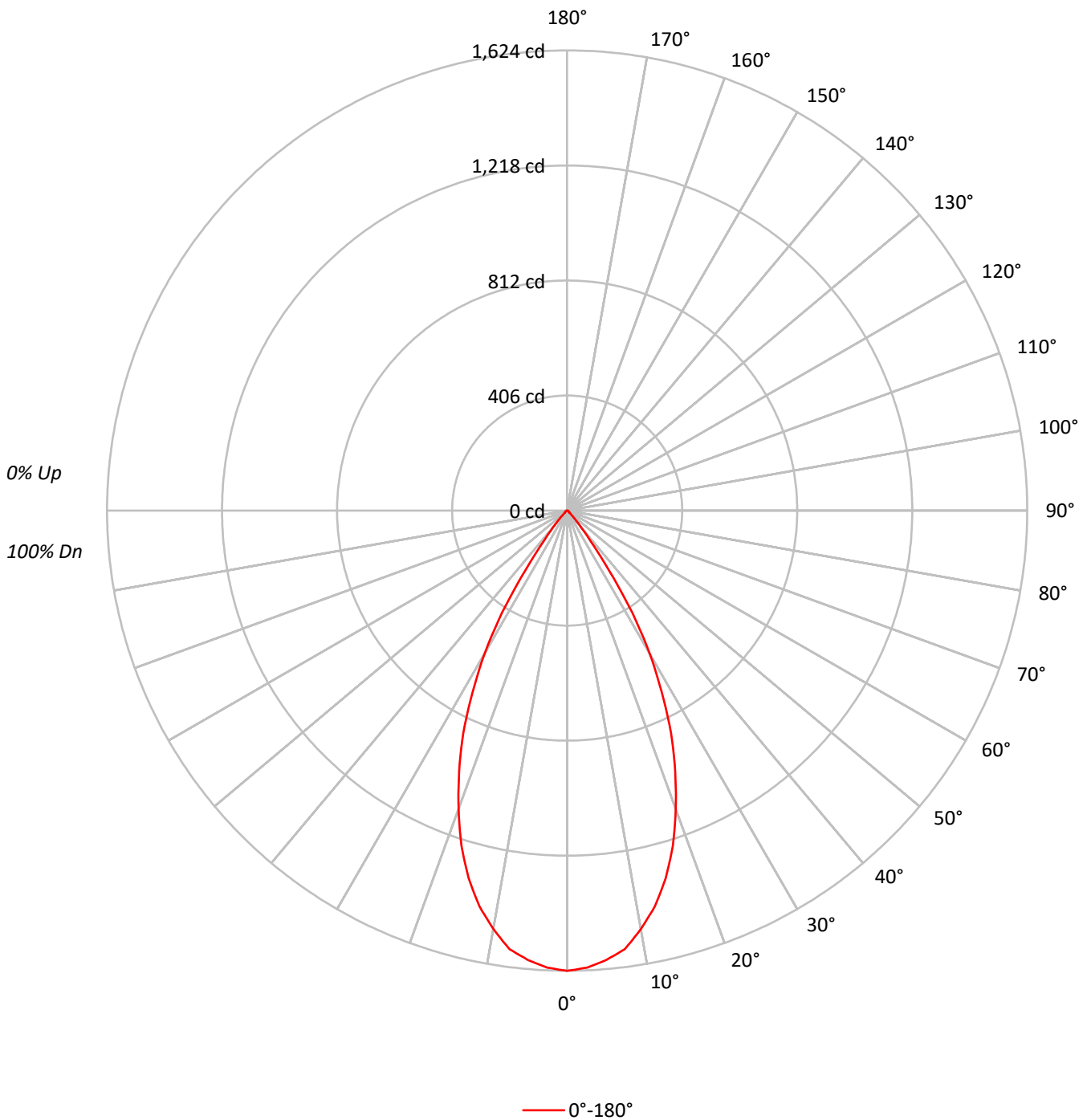
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366054

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87

### Luminous Intensity Polar Plot





TEST NUMBER: P366054

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87

**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	84	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		73	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	64	61	78	69	64	61	69	64	60		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°	116310
5°	114397
10°	109001
15°	99605
20°	85417
25°	68536
30°	48053
35°	22202
40°	7122
45°	2299
50°	1069
55°	949
60°	945
65°	847
70°	837
75°	968
80°	1237
85°	2054



TEST NUMBER: P366054

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.3	13.3
10°-20°	371.8	33.1
20°-30°	390.5	34.7
30°-40°	173.3	15.4
40°-50°	22.4	2.0
50°-60°	7.0	0.6
60°-70°	4.9	0.4
70°-80°	3.6	0.3
80°-90°	2.2	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°	911.6	81.0
0°-40°	1084.9	96.4
0°-60°	1114.3	99.1
0°-90°	1124.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1624	
5°	1592	149
15°	1344	372
25°	868	390
35°	254	173
45°	23	22
55°	8	7
65°	5	5
75°	4	4
85°	2	2
90°	0	



TEST NUMBER: P366054

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR87

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1624.4
2.5°	1614.3
5°	1591.6
7.5°	1560.8
10°	1499.2
12.5°	1430.0
15°	1343.7
17.5°	1240.2
20°	1121.0
22.5°	995.8
25°	867.5
27.5°	723.6
30°	581.2
32.5°	427.2
35°	254.0
37.5°	135.3
40°	76.2
42.5°	41.9
45°	22.7
47.5°	11.6
50°	9.6
52.5°	8.6
55°	7.6
57.5°	7.1
60°	6.6
62.5°	5.6
65°	5.0
67.5°	4.0
70°	4.0
72.5°	3.5
75°	3.5
77.5°	3.0
80°	3.0
82.5°	2.5
85°	2.5
87.5°	1.5
90°	0.0

(END OF REPORT)