

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: P365277

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 869.1 lumens  
Efficiency: N/A  
Efficacy: 61.2 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

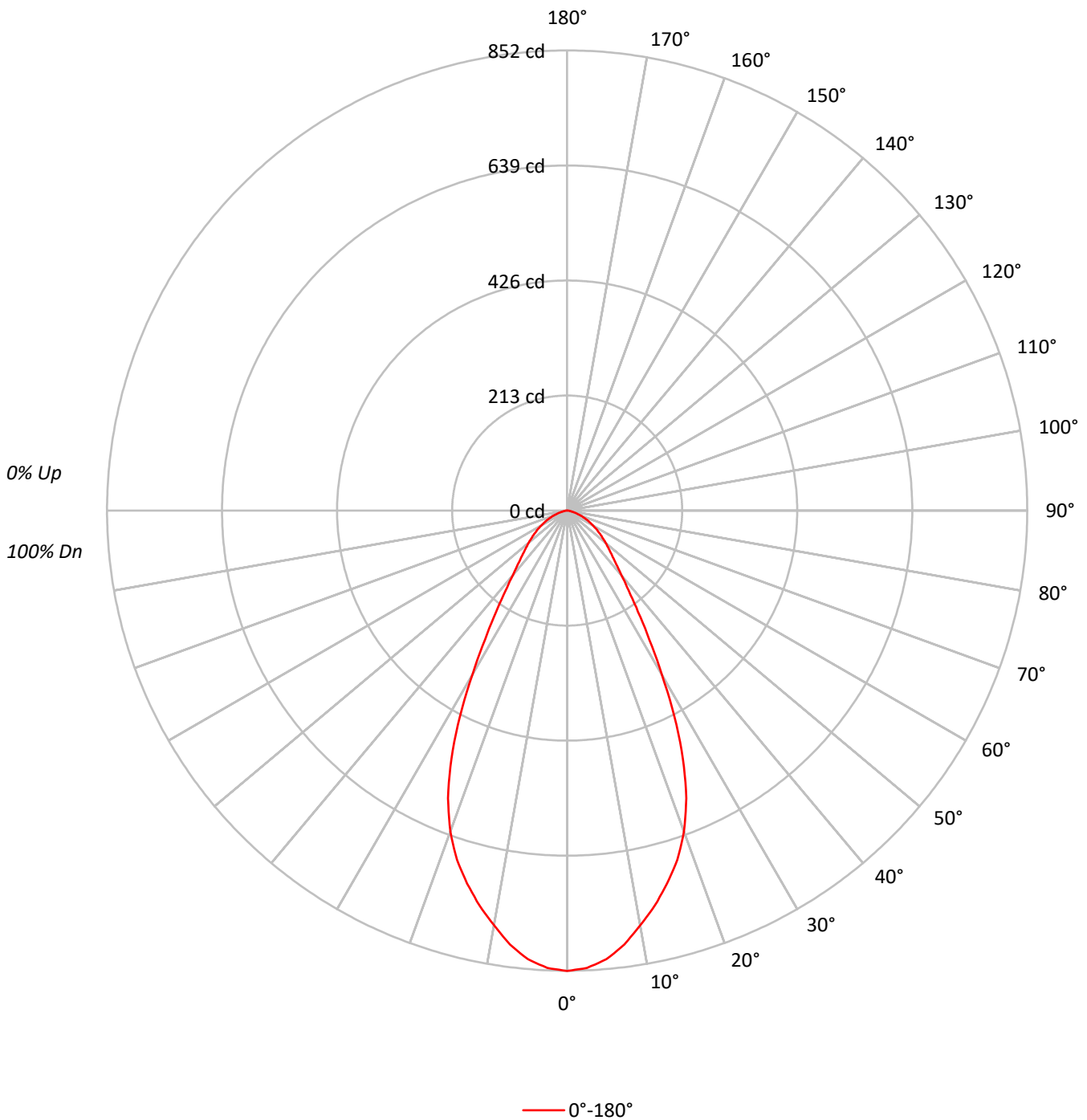
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365277

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

### Luminous Intensity Polar Plot





TEST NUMBER: P365277

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

**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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	61033
5°	59930
10°	56682
15°	53001
20°	48179
25°	40102
30°	28954
35°	20008
40°	14628
45°	11888
50°	10348
55°	9100
60°	7919
65°	6709
70°	5422
75°	3790
80°	2433
85°	2793



TEST NUMBER: P365277

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.8	9.0
10°-20°	199.8	23.0
20°-30°	228.2	26.3
30°-40°	147.2	16.9
40°-50°	92.4	10.6
50°-60°	65.6	7.5
60°-70°	39.5	4.5
70°-80°	15.3	1.8
80°-90°	3.3	0.4
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°	505.8	58.2
0°-40°	653.0	75.1
0°-60°	811.0	93.3
0°-90°	869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	852	
5°	834	78
15°	715	200
25°	508	228
35°	229	147
45°	117	92
55°	73	66
65°	40	39
75°	14	15
85°	3	3
90°	0	



TEST NUMBER: P365277

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	852.4
2.5°	847.5
5°	833.8
7.5°	810.4
10°	779.6
12.5°	749.2
15°	715.0
17.5°	678.3
20°	632.3
22.5°	576.6
25°	507.6
27.5°	429.9
30°	350.2
32.5°	283.2
35°	228.9
37.5°	186.8
40°	156.5
42.5°	134.5
45°	117.4
47.5°	104.2
50°	92.9
52.5°	82.7
55°	72.9
57.5°	64.1
60°	55.3
62.5°	47.4
65°	39.6
67.5°	32.3
70°	25.9
72.5°	19.1
75°	13.7
77.5°	9.3
80°	5.9
82.5°	3.9
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)