

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: P365941

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 794.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

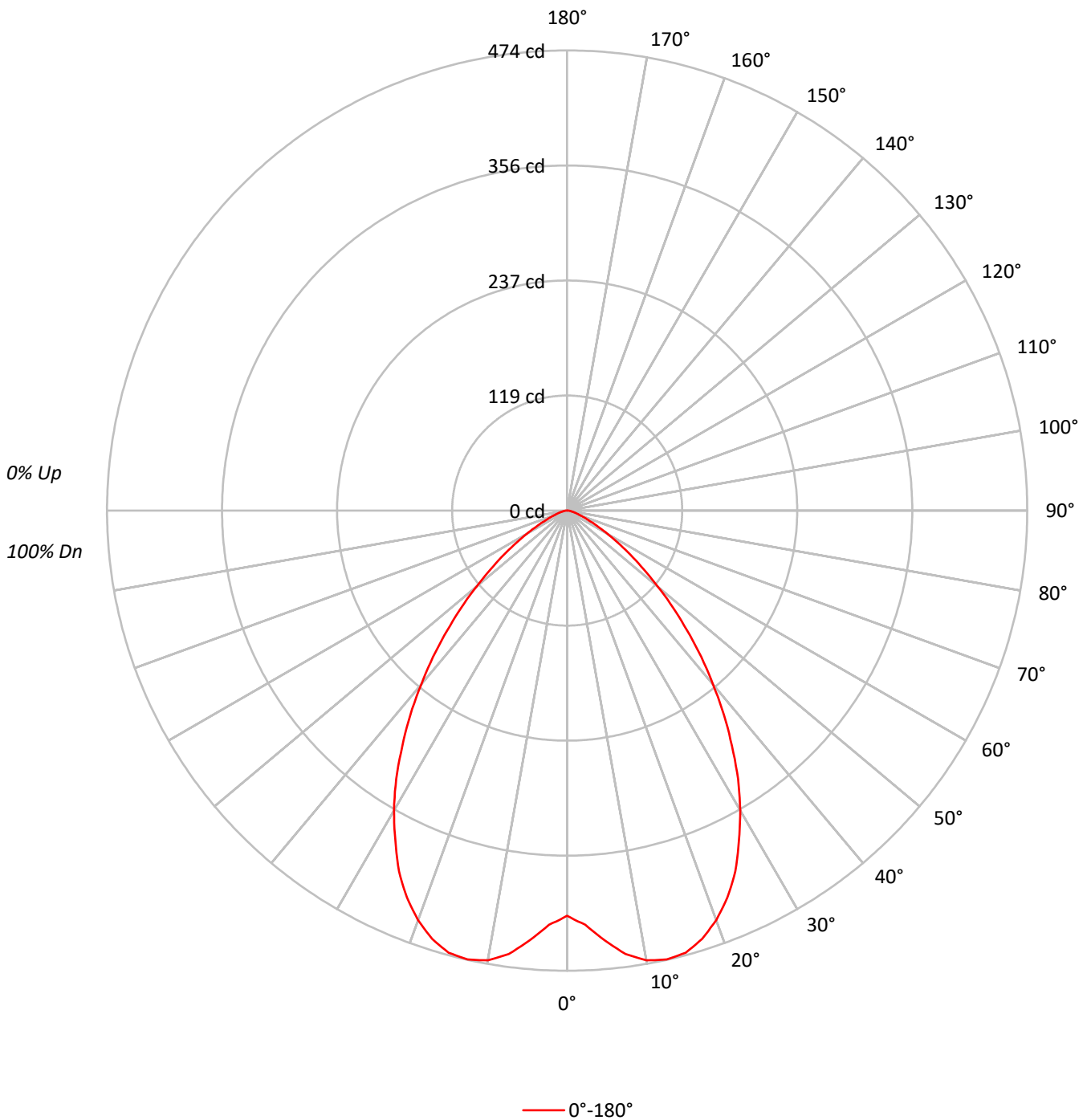
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365941

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81

### Luminous Intensity Polar Plot





TEST NUMBER: P365941

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81

**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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

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

	0°
0°	29887
5°	31949
10°	34201
15°	34951
20°	34205
25°	32392
30°	29491
35°	25865
40°	21844
45°	17670
50°	13612
55°	9937
60°	6845
65°	4524
70°	2952
75°	2158
80°	1814
85°	2136



TEST NUMBER: P365941

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.3	5.4
10°-20°	132.0	16.6
20°-30°	187.1	23.6
30°-40°	184.5	23.2
40°-50°	135.3	17.0
50°-60°	72.5	9.1
60°-70°	27.9	3.5
70°-80°	8.9	1.1
80°-90°	2.6	0.3
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°	362.4	45.6
0°-40°	546.9	68.9
0°-60°	754.6	95.0
0°-90°	794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	417	
5°	444	43
15°	472	132
25°	410	187
35°	296	185
45°	174	135
55°	80	73
65°	27	28
75°	8	9
85°	3	3
90°	0	



TEST NUMBER: P365941

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	417.4
2.5°	427.1
5°	444.5
7.5°	460.8
10°	470.4
12.5°	473.7
15°	471.5
17.5°	462.6
20°	448.9
22.5°	431.5
25°	410.0
27.5°	383.4
30°	356.7
32.5°	327.8
35°	295.9
37.5°	265.6
40°	233.7
42.5°	204.5
45°	174.5
47.5°	147.8
50°	122.2
52.5°	99.3
55°	79.6
57.5°	62.2
60°	47.8
62.5°	35.9
65°	26.7
67.5°	19.6
70°	14.1
72.5°	10.7
75°	7.8
77.5°	5.9
80°	4.4
82.5°	3.3
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)