

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: P364448

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 751.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

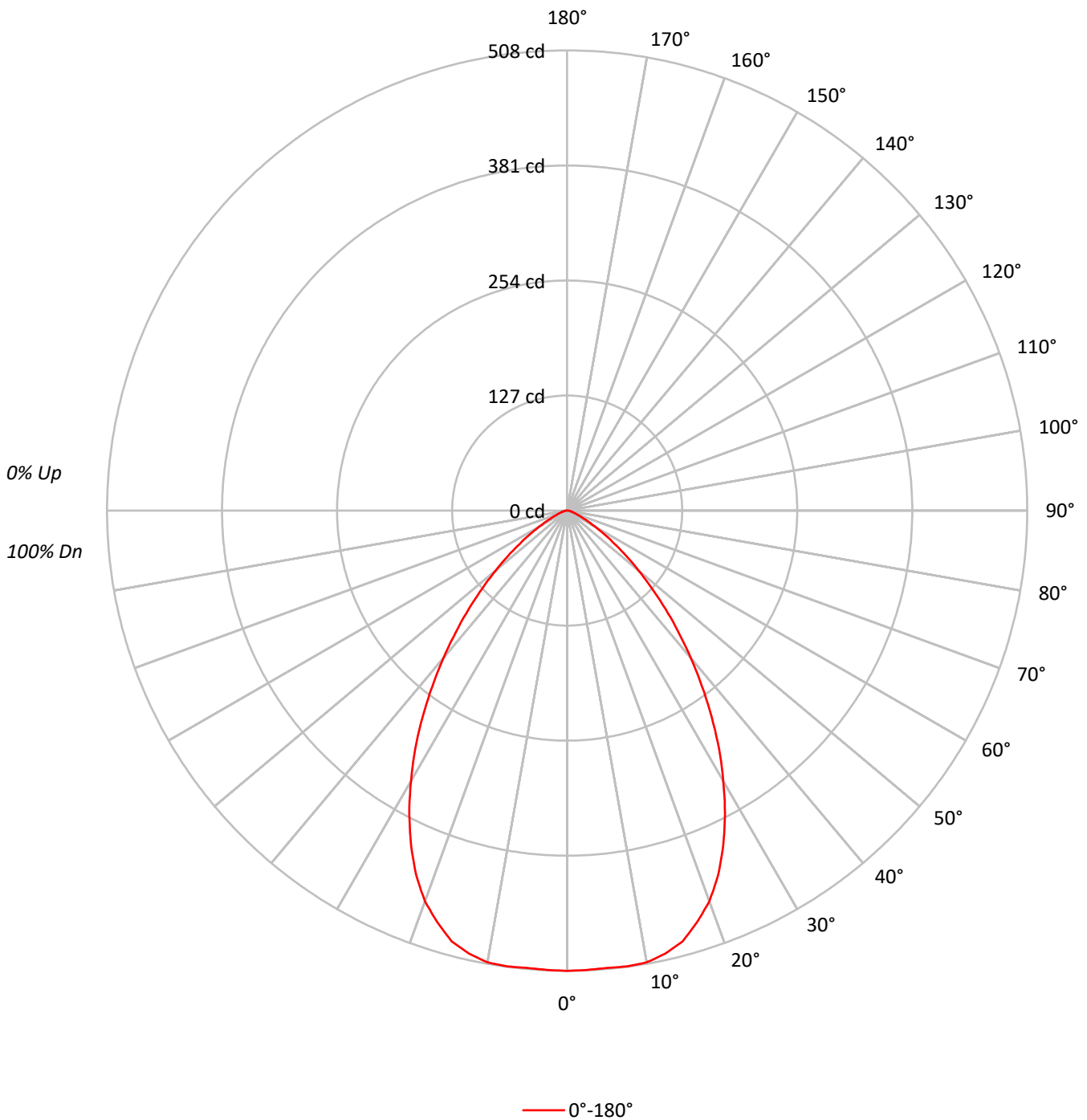
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P364448

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82

### Luminous Intensity Polar Plot





TEST NUMBER: P364448

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82

**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	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	36388
5°	36426
10°	36819
15°	36493
20°	34974
25°	32218
30°	28508
35°	24309
40°	19862
45°	15523
50°	11451
55°	7939
60°	5069
65°	3084
70°	2093
75°	1605
80°	1402
85°	1972



TEST NUMBER: P364448

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.4	6.4
10°-20°	137.7	18.3
20°-30°	186.2	24.8
30°-40°	173.2	23.1
40°-50°	118.7	15.8
50°-60°	58.5	7.8
60°-70°	19.5	2.6
70°-80°	6.5	0.9
80°-90°	2.3	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°	372.3	49.6
0°-40°	545.5	72.6
0°-60°	722.7	96.2
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	508	
5°	507	48
15°	492	138
25°	408	186
35°	278	173
45°	153	119
55°	64	58
65°	18	20
75°	6	6
85°	2	2
90°	0	



TEST NUMBER: P364448

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR82

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	508.2
2.5°	507.5
5°	506.8
7.5°	507.5
10°	506.4
12.5°	500.9
15°	492.3
17.5°	476.5
20°	459.0
22.5°	435.6
25°	407.8
27.5°	377.5
30°	344.8
32.5°	312.2
35°	278.1
37.5°	244.5
40°	212.5
42.5°	181.5
45°	153.3
47.5°	126.5
50°	102.8
52.5°	82.2
55°	63.6
57.5°	48.5
60°	35.4
62.5°	25.4
65°	18.2
67.5°	13.1
70°	10.0
72.5°	7.6
75°	5.8
77.5°	4.5
80°	3.4
82.5°	2.8
85°	2.4
87.5°	1.4
90°	0.0

(END OF REPORT)