

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: P365102

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5563.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

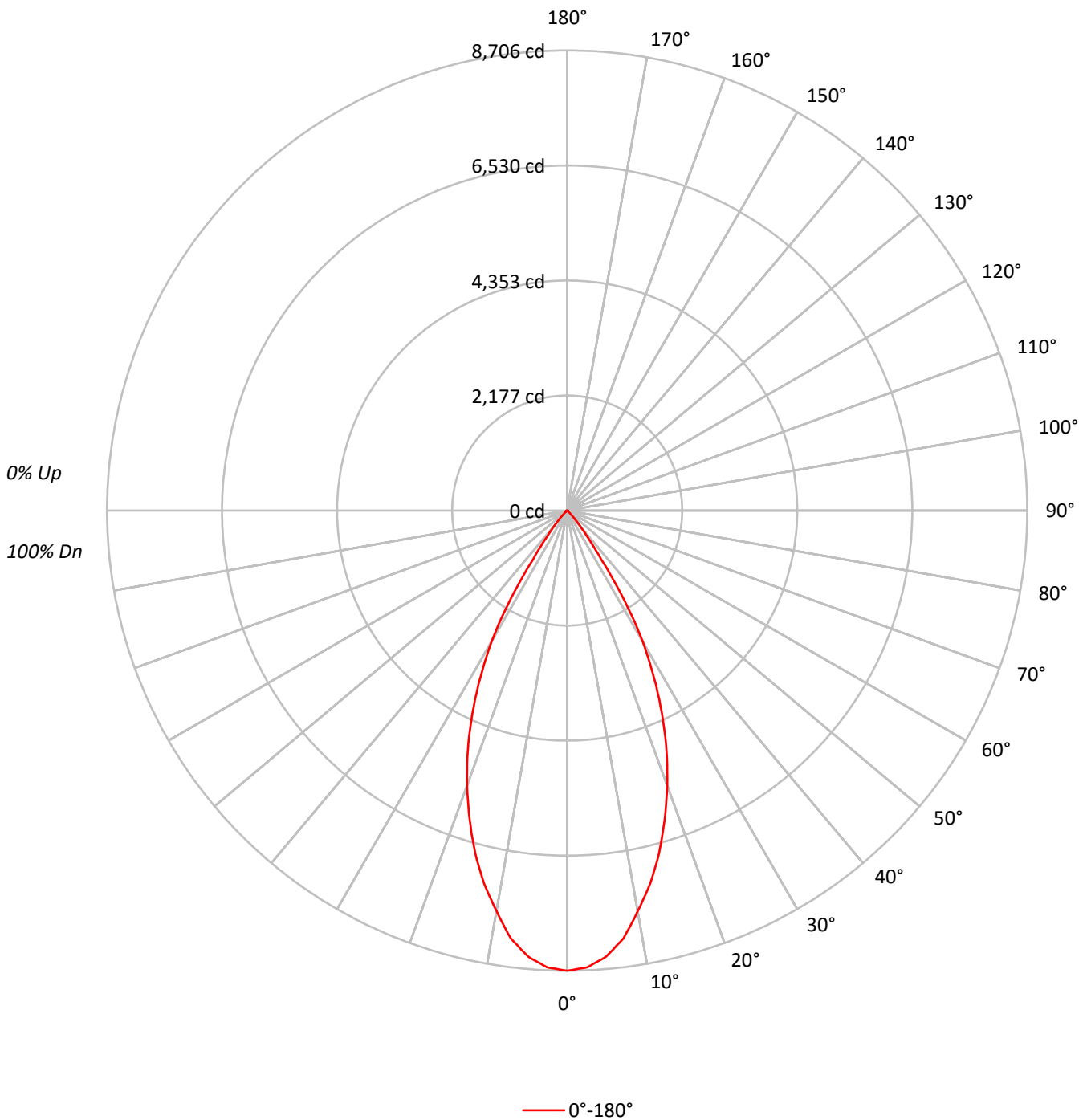
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365102

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P365102

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV

**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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	623344
5°	608863
10°	559614
15°	498042
20°	421850
25°	335458
30°	235849
35°	98423
40°	33986
45°	8789
50°	4445
55°	4095
60°	4038
65°	3981
70°	3936
75°	5201
80°	5814
85°	9612



TEST NUMBER: P365102

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	784.2	14.1
10°-20°	1861.1	33.5
20°-30°	1920.4	34.5
30°-40°	816.9	14.7
40°-50°	98.0	1.8
50°-60°	29.6	0.5
60°-70°	23.2	0.4
70°-80°	18.6	0.3
80°-90°	10.9	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°	4565.8	82.1
0°-40°	5382.7	96.8
0°-60°	5510.3	99.1
0°-90°	5563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5563.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8706	
5°	8471	784
15°	6719	1861
25°	4246	1920
35°	1126	817
45°	87	98
55°	33	30
65°	24	23
75°	19	19
85°	12	11
90°	0	



TEST NUMBER: P365102

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8705.7
2.5°	8649.4
5°	8471.1
7.5°	8161.4
10°	7696.9
12.5°	7239.5
15°	6718.7
17.5°	6132.2
20°	5536.3
22.5°	4914.7
25°	4246.1
27.5°	3556.4
30°	2852.6
32.5°	2022.2
35°	1126.0
37.5°	647.5
40°	363.6
42.5°	187.7
45°	86.8
47.5°	46.9
50°	39.9
52.5°	35.2
55°	32.8
57.5°	30.5
60°	28.2
62.5°	25.8
65°	23.5
67.5°	21.1
70°	18.8
72.5°	18.8
75°	18.8
77.5°	16.4
80°	14.1
82.5°	14.1
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)