

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: P365139

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5590.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 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

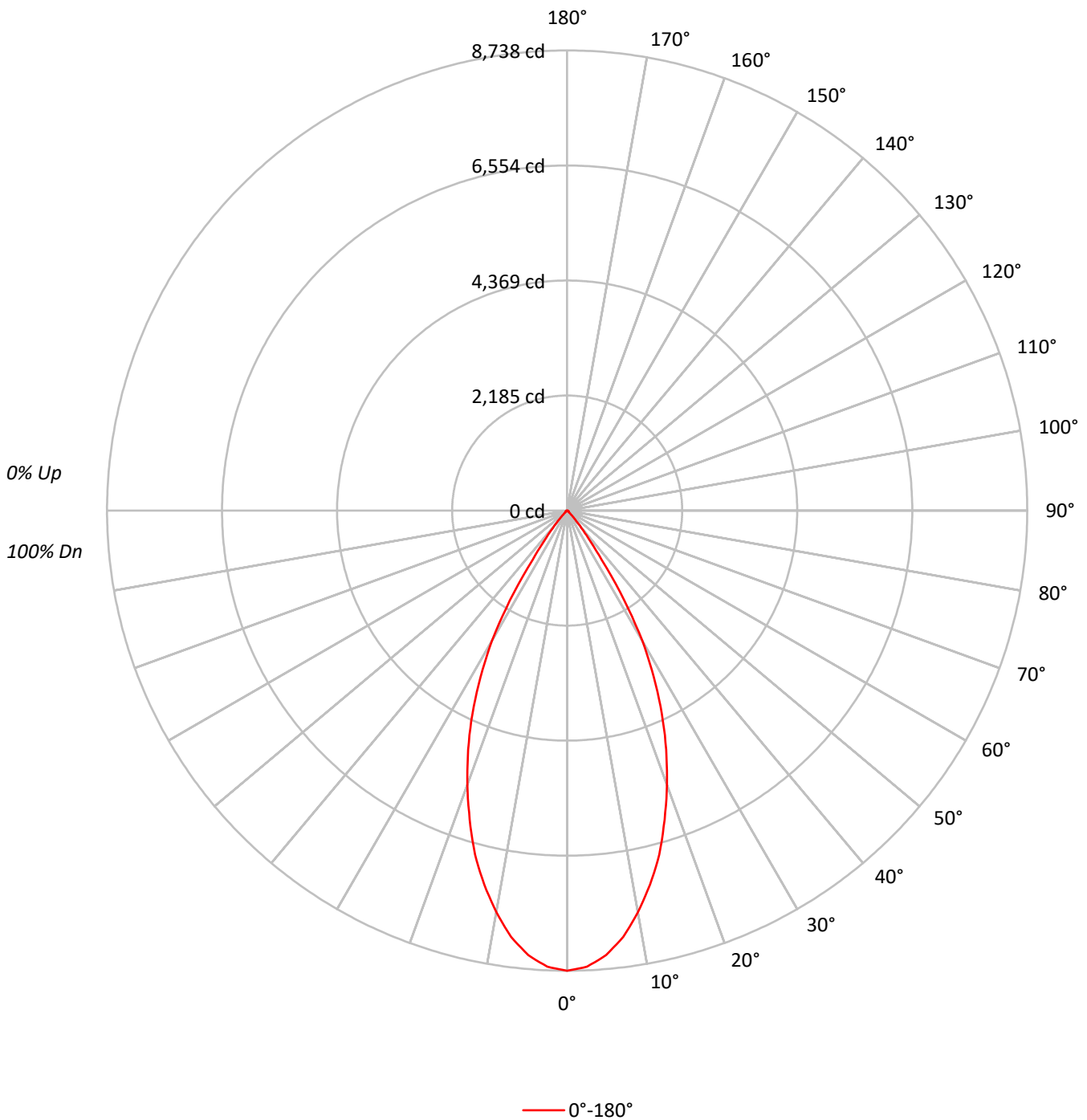
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365139

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94

### Luminous Intensity Polar Plot





TEST NUMBER: P365139

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94

**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	88
3	104	98	93	90	102	96	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	78
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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	625693
5°	609129
10°	563053
15°	501244
20°	422147
25°	336399
30°	235626
35°	99813
40°	34827
45°	9559
50°	4846
55°	4531
60°	4511
65°	4100
70°	4061
75°	5367
80°	6969
85°	9941



TEST NUMBER: P365139

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	785.8	14.1
10°-20°	1869.4	33.4
20°-30°	1923.0	34.4
30°-40°	821.3	14.7
40°-50°	102.5	1.8
50°-60°	32.7	0.6
60°-70°	24.3	0.4
70°-80°	19.5	0.3
80°-90°	11.5	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°	4578.2	81.9
0°-40°	5399.4	96.6
0°-60°	5534.7	99.0
0°-90°	5590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8738	
5°	8475	786
15°	6762	1869
25°	4258	1923
35°	1142	821
45°	94	103
55°	36	33
65°	24	24
75°	19	20
85°	12	12
90°	0	



TEST NUMBER: P365139

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8738.5
2.5°	8668.4
5°	8474.8
7.5°	8165.1
10°	7744.2
12.5°	7274.8
15°	6761.9
17.5°	6152.3
20°	5540.2
22.5°	4911.2
25°	4258.0
27.5°	3568.5
30°	2849.9
32.5°	2025.0
35°	1141.9
37.5°	653.2
40°	372.6
42.5°	193.5
45°	94.4
47.5°	50.8
50°	43.5
52.5°	38.7
55°	36.3
57.5°	33.9
60°	31.5
62.5°	26.6
65°	24.2
67.5°	21.8
70°	19.4
72.5°	19.4
75°	19.4
77.5°	16.9
80°	16.9
82.5°	14.5
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)