

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: P366598

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH  
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7086.1 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

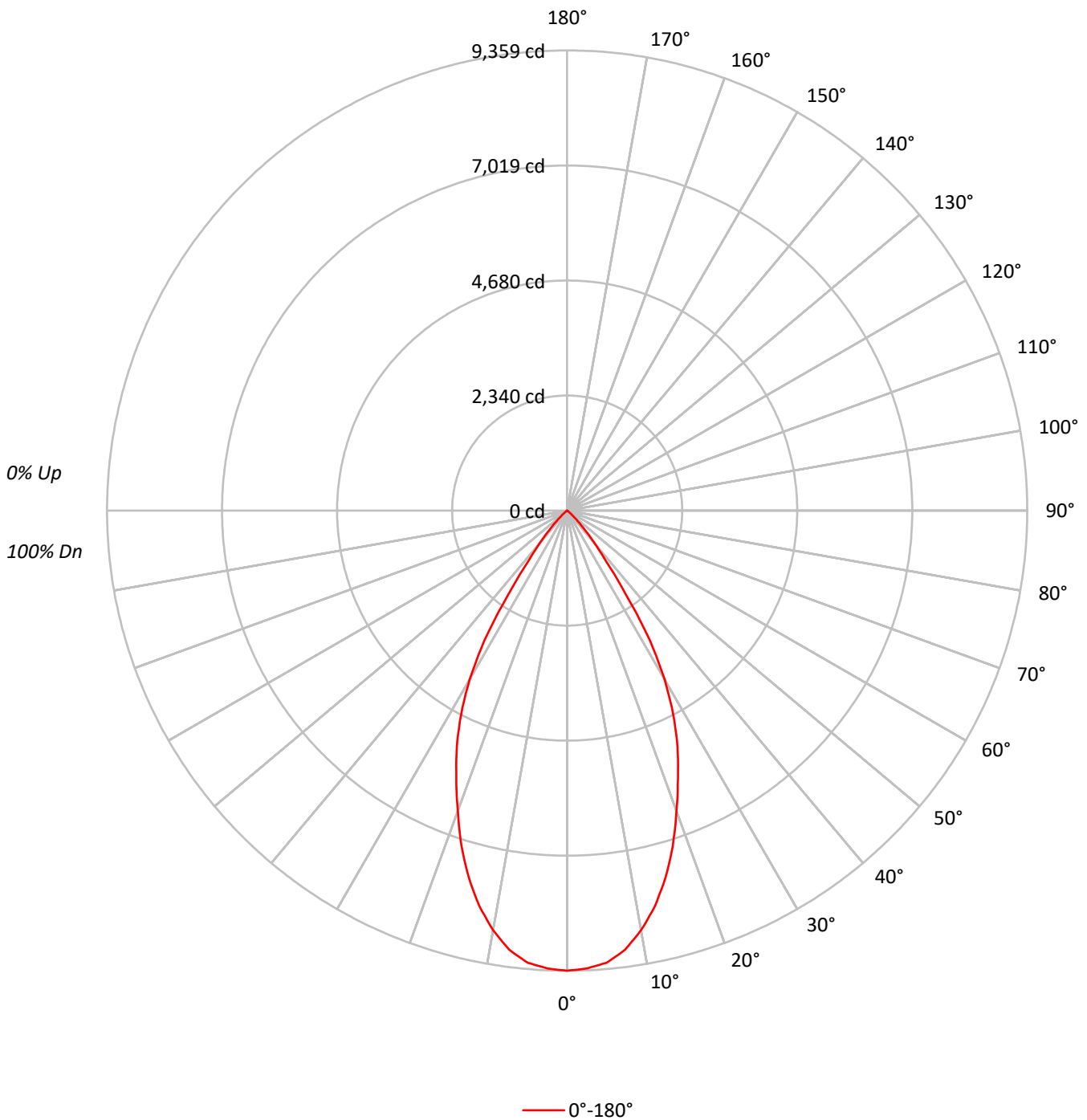
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366598

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P366598

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH

**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	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

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

	0°
0°	255633
5°	253077
10°	240402
15°	218545
20°	189066
25°	160111
30°	124965
35°	69569
40°	30480
45°	12253
50°	3370
55°	591
60°	404
65°	323
70°	200
75°	264
80°	0
85°	0



TEST NUMBER: P366598

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	862.9	12.2
10°-20°	2144.3	30.3
20°-30°	2408.7	34.0
30°-40°	1362.9	19.2
40°-50°	281.0	4.0
50°-60°	20.4	0.3
60°-70°	4.3	0.1
70°-80°	1.6	0.0
80°-90°	0.0	0.0
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°	5415.9	76.4
0°-40°	6778.8	95.7
0°-60°	7080.1	99.9
0°-90°	7086.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7086.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9359	
5°	9230	863
15°	7728	2144
25°	5312	2409
35°	2086	1363
45°	317	281
55°	12	20
65°	5	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P366598

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9358.6
2.5°	9319.0
5°	9229.8
7.5°	9009.3
10°	8667.3
12.5°	8241.1
15°	7728.2
17.5°	7146.0
20°	6504.2
22.5°	5889.7
25°	5312.4
27.5°	4673.1
30°	3962.0
32.5°	3134.4
35°	2086.3
37.5°	1308.3
40°	854.8
42.5°	540.2
45°	317.2
47.5°	168.5
50°	79.3
52.5°	27.3
55°	12.4
57.5°	9.9
60°	7.4
62.5°	5.0
65°	5.0
67.5°	2.5
70°	2.5
72.5°	2.5
75°	2.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)