

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: P365157

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365157  
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-FEU6B67-8050-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: 5726.0 lumens  
Efficiency: N/A  
Efficacy: 78.0 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

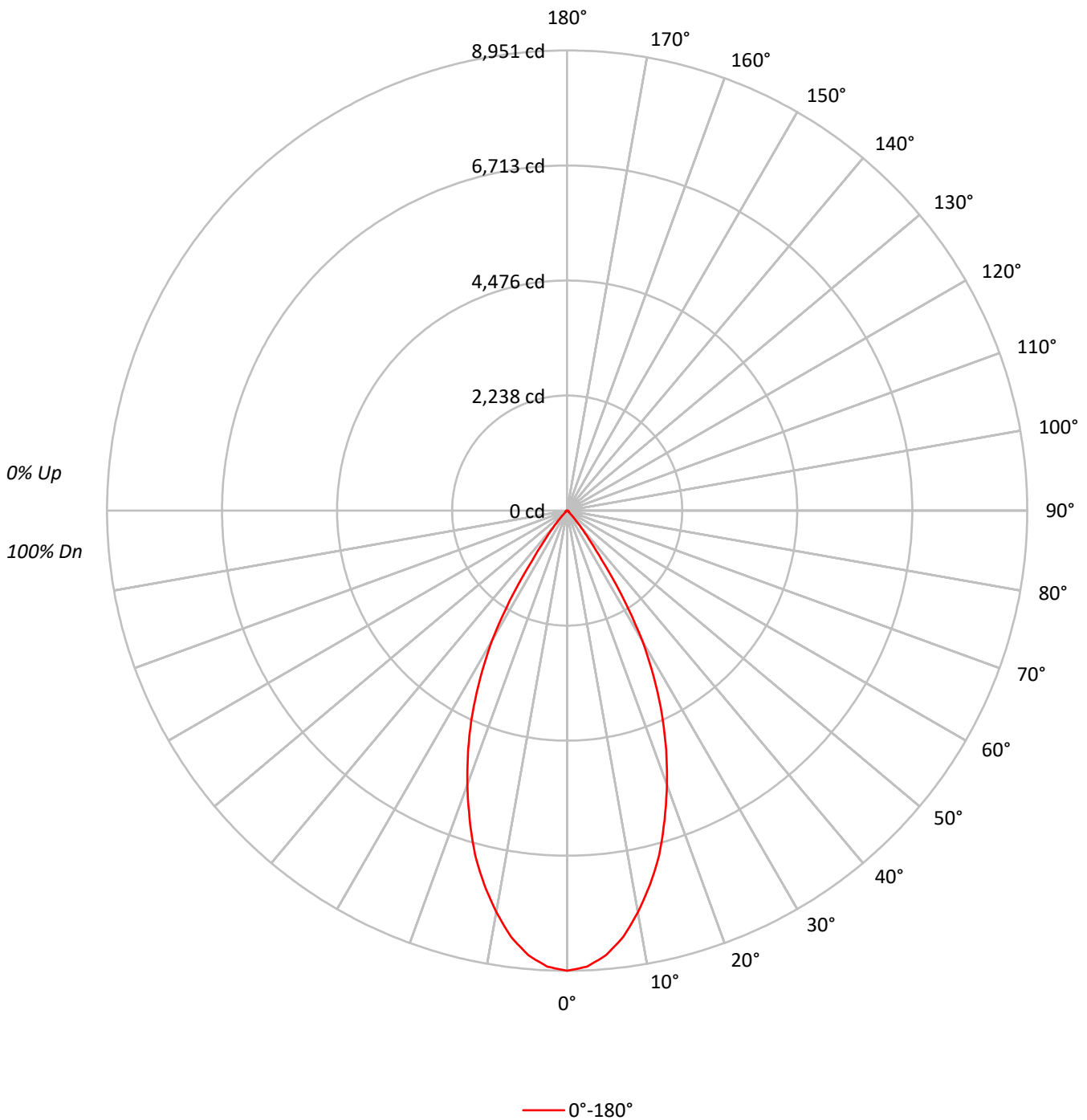
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365157

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

### Luminous Intensity Polar Plot





TEST NUMBER: P365157

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-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°	640915
5°	623950
10°	576751
15°	513445
20°	432419
25°	344583
30°	241364
35°	102243
40°	35668
45°	9782
50°	4968
55°	4644
60°	4611
65°	4202
70°	4145
75°	5478
80°	7133
85°	10187



TEST NUMBER: P365157

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	804.9	14.1
10°-20°	1914.9	33.4
20°-30°	1969.8	34.4
30°-40°	841.3	14.7
40°-50°	105.0	1.8
50°-60°	33.5	0.6
60°-70°	24.8	0.4
70°-80°	19.9	0.3
80°-90°	11.8	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°	4689.6	81.9
0°-40°	5530.8	96.6
0°-60°	5669.4	99.0
0°-90°	5726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8951	
5°	8681	805
15°	6926	1915
25°	4362	1970
35°	1170	841
45°	97	105
55°	37	34
65°	25	25
75°	20	20
85°	12	12
90°	0	



TEST NUMBER: P365157

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8951.1
2.5°	8879.3
5°	8681.0
7.5°	8363.8
10°	7932.6
12.5°	7451.8
15°	6926.5
17.5°	6302.0
20°	5675.0
22.5°	5030.7
25°	4361.6
27.5°	3655.3
30°	2919.3
32.5°	2074.2
35°	1169.7
37.5°	669.1
40°	381.6
42.5°	198.3
45°	96.6
47.5°	52.0
50°	44.6
52.5°	39.7
55°	37.2
57.5°	34.7
60°	32.2
62.5°	27.3
65°	24.8
67.5°	22.3
70°	19.8
72.5°	19.8
75°	19.8
77.5°	17.3
80°	17.3
82.5°	14.9
85°	12.4
87.5°	7.4
90°	0.0

(END OF REPORT)