

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: P366431

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4093.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

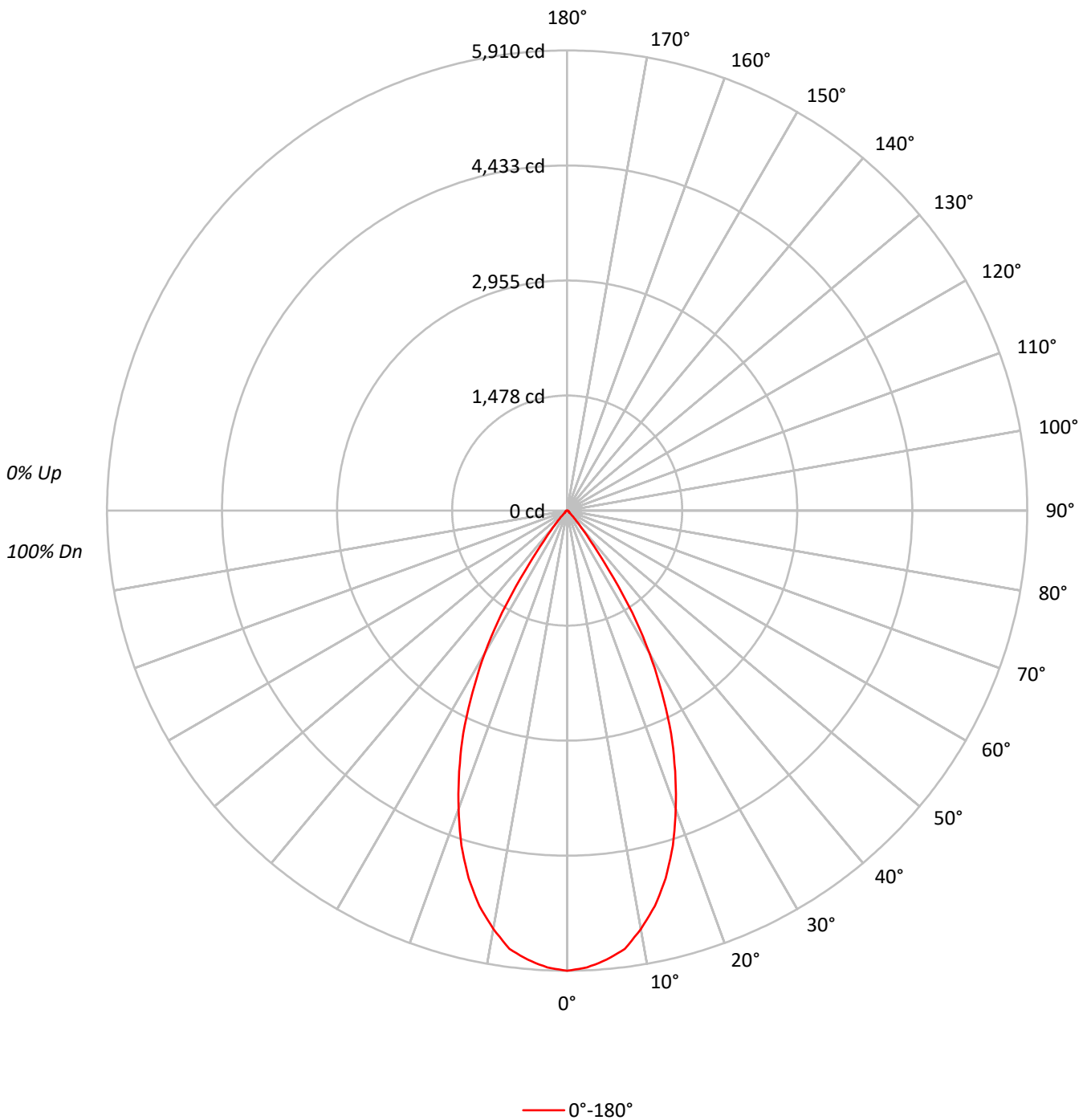
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366431

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86

### Luminous Intensity Polar Plot





TEST NUMBER: P366431

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86

**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	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	423174
5°	416209
10°	396577
15°	362381
20°	310762
25°	249352
30°	174824
35°	80775
40°	25928
45°	8374
50°	3888
55°	3445
60°	3423
65°	3117
70°	3077
75°	3569
80°	4536
85°	7558



TEST NUMBER: P366431

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	543.1	13.3
10°-20°	1352.8	33.1
20°-30°	1420.7	34.7
30°-40°	630.4	15.4
40°-50°	81.5	2.0
50°-60°	25.5	0.6
60°-70°	18.0	0.4
70°-80°	13.1	0.3
80°-90°	8.0	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°	3316.6	81.0
0°-40°	3947.0	96.4
0°-60°	4053.9	99.0
0°-90°	4093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5910	
5°	5791	543
15°	4889	1353
25°	3156	1421
35°	924	630
45°	83	81
55°	28	25
65°	18	18
75°	13	13
85°	9	8
90°	0	



TEST NUMBER: P366431

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5910.1
2.5°	5873.3
5°	5790.7
7.5°	5678.6
10°	5454.5
12.5°	5202.8
15°	4888.6
17.5°	4512.0
20°	4078.4
22.5°	3622.8
25°	3156.2
27.5°	2632.6
30°	2114.5
32.5°	1554.2
35°	924.1
37.5°	492.4
40°	277.4
42.5°	152.5
45°	82.7
47.5°	42.3
50°	34.9
52.5°	31.2
55°	27.6
57.5°	25.7
60°	23.9
62.5°	20.2
65°	18.4
67.5°	14.7
70°	14.7
72.5°	12.9
75°	12.9
77.5°	11.0
80°	11.0
82.5°	9.2
85°	9.2
87.5°	5.5
90°	0.0

(END OF REPORT)