

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: P366467

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366467  
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-FEU6B67-8035-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: 4364.1 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

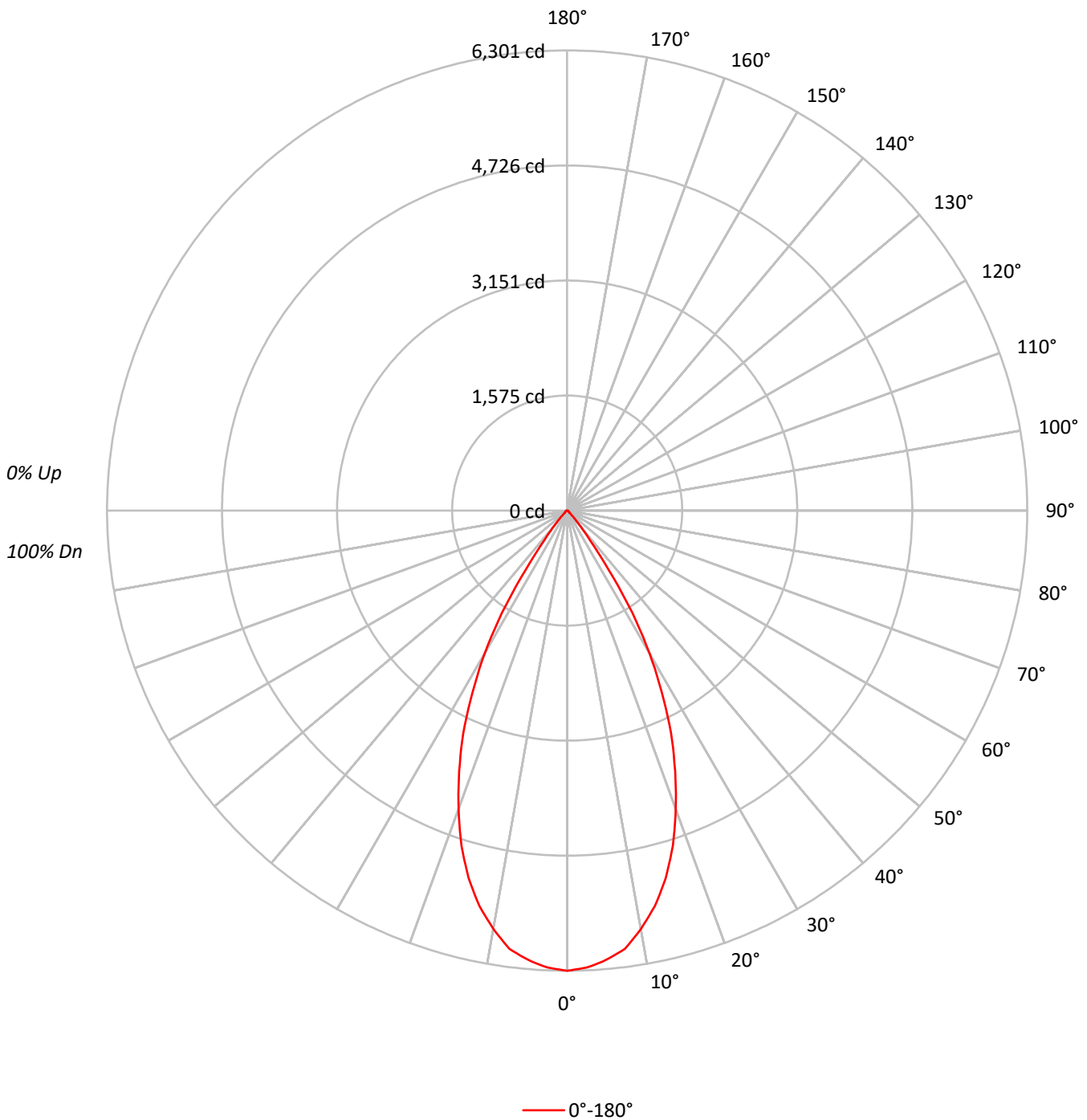
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366467

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR86

### Luminous Intensity Polar Plot





TEST NUMBER: P366467

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-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°	451192
5°	443766
10°	422832
15°	386376
20°	331343
25°	265864
30°	186407
35°	86125
40°	27648
45°	8921
50°	4144
55°	3670
60°	3652
65°	3321
70°	3287
75°	3790
80°	4866
85°	8051



TEST NUMBER: P366467

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.0	13.3
10°-20°	1442.4	33.1
20°-30°	1514.8	34.7
30°-40°	672.2	15.4
40°-50°	86.9	2.0
50°-60°	27.1	0.6
60°-70°	19.1	0.4
70°-80°	14.0	0.3
80°-90°	8.6	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°	3536.2	81.0
0°-40°	4208.4	96.4
0°-60°	4322.4	99.0
0°-90°	4364.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4364.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6301	
5°	6174	579
15°	5212	1442
25°	3365	1515
35°	985	672
45°	88	87
55°	29	27
65°	20	19
75°	14	14
85°	10	9
90°	0	



TEST NUMBER: P366467

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR86

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6301.4
2.5°	6262.2
5°	6174.1
7.5°	6054.6
10°	5815.6
12.5°	5547.3
15°	5212.3
17.5°	4810.8
20°	4348.5
22.5°	3862.7
25°	3365.2
27.5°	2806.9
30°	2254.6
32.5°	1657.1
35°	985.3
37.5°	525.0
40°	295.8
42.5°	162.6
45°	88.1
47.5°	45.1
50°	37.2
52.5°	33.3
55°	29.4
57.5°	27.4
60°	25.5
62.5°	21.5
65°	19.6
67.5°	15.7
70°	15.7
72.5°	13.7
75°	13.7
77.5°	11.8
80°	11.8
82.5°	9.8
85°	9.8
87.5°	5.9
90°	0.0

(END OF REPORT)