

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: P365787

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3752.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

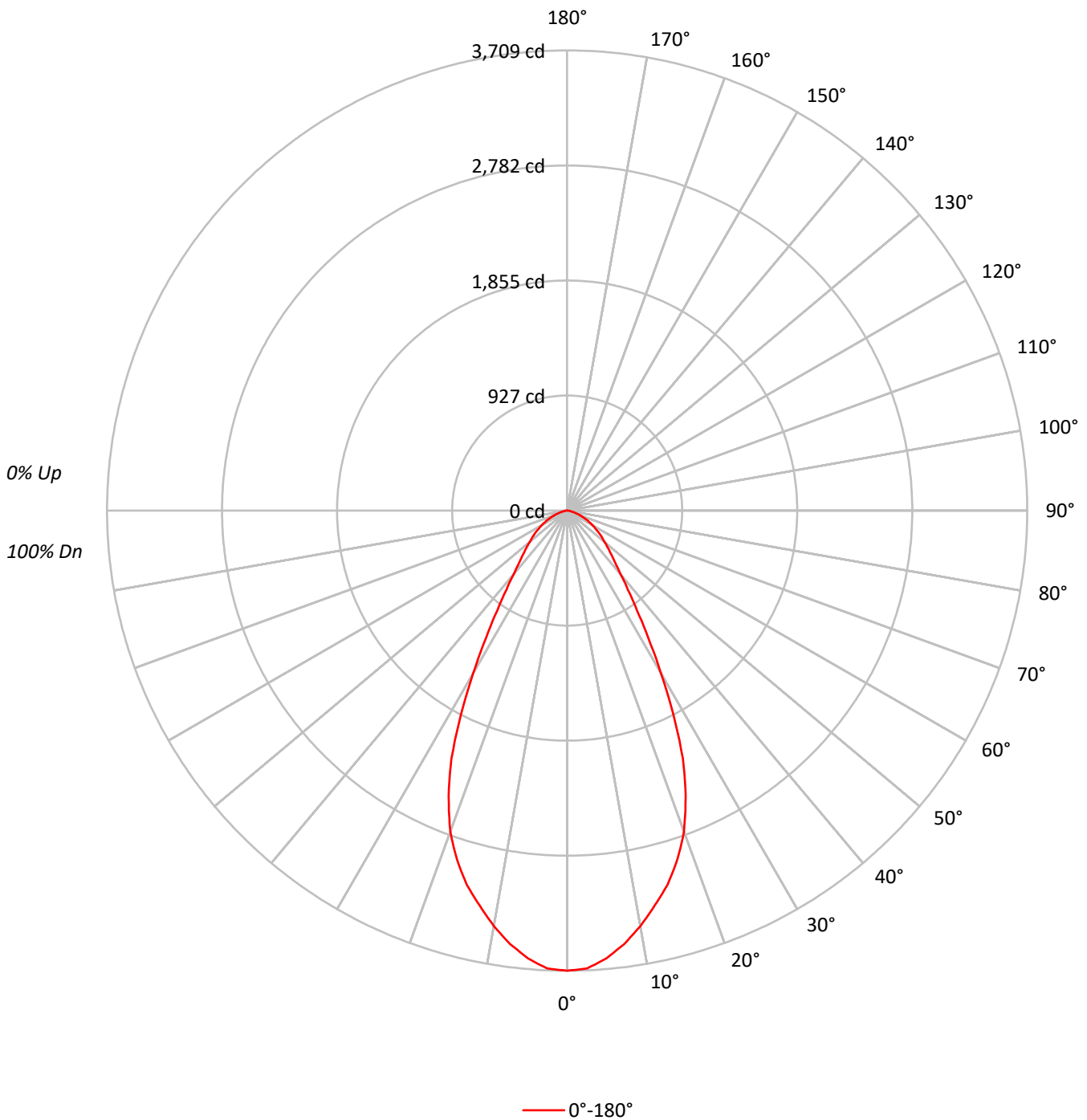
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365787

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94

### Luminous Intensity Polar Plot





TEST NUMBER: P365787

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

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

	0°
0°	265564
5°	260368
10°	247282
15°	231486
20°	209832
25°	174243
30°	124994
35°	85705
40°	62868
45°	51025
50°	43922
55°	38961
60°	33825
65°	28582
70°	22505
75°	16322
80°	10432
85°	12159



TEST NUMBER: P365787

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.7	9.0
10°-20°	870.4	23.2
20°-30°	988.3	26.3
30°-40°	632.6	16.9
40°-50°	395.2	10.5
50°-60°	279.8	7.5
60°-70°	167.4	4.5
70°-80°	65.2	1.7
80°-90°	14.4	0.4
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°	2197.5	58.6
0°-40°	2830.1	75.4
0°-60°	3505.0	93.4
0°-90°	3752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3752.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3709	
5°	3622	339
15°	3123	870
25°	2206	988
35°	980	633
45°	504	395
55°	312	280
65°	169	167
75°	59	65
85°	15	14
90°	0	



TEST NUMBER: P365787

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3708.9
2.5°	3694.2
5°	3622.5
7.5°	3523.4
10°	3401.1
12.5°	3259.8
15°	3122.8
17.5°	2952.0
20°	2753.8
22.5°	2496.5
25°	2205.5
27.5°	1853.4
30°	1511.8
32.5°	1214.5
35°	980.5
37.5°	805.5
40°	672.6
42.5°	573.5
45°	503.9
47.5°	444.9
50°	394.3
52.5°	354.2
55°	312.1
57.5°	272.0
60°	236.2
62.5°	200.3
65°	168.7
67.5°	137.1
70°	107.5
72.5°	82.2
75°	59.0
77.5°	40.1
80°	25.3
82.5°	16.9
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)