

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: P365724

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3464.0 lumens  
Efficiency: N/A  
Efficacy: 59.6 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

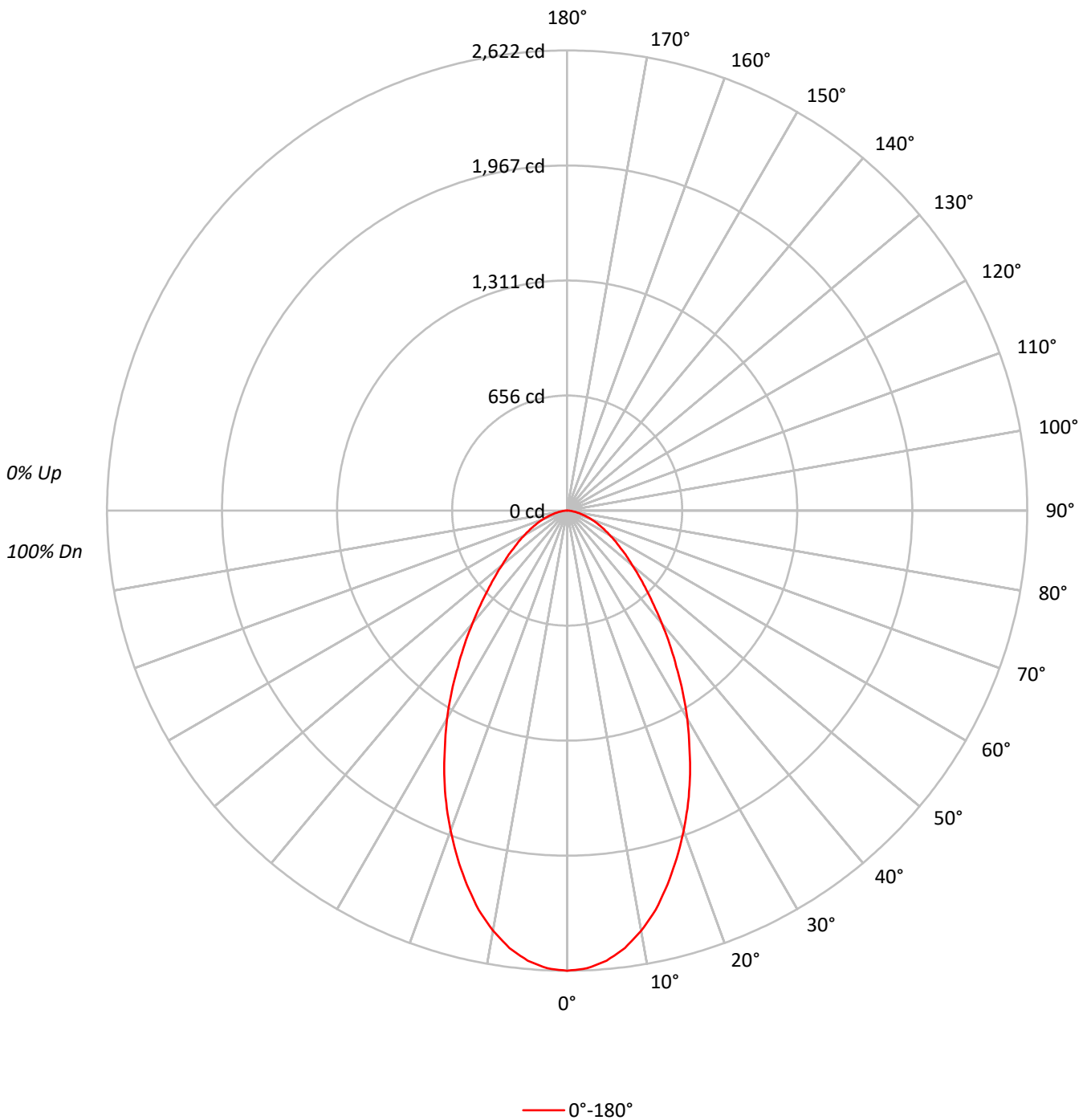
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365724

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80

### Luminous Intensity Polar Plot





TEST NUMBER: P365724

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38

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

	0°
0°	187754
5°	185029
10°	176713
15°	163585
20°	147914
25°	130957
30°	113104
35°	94787
40°	78402
45°	64715
50°	54059
55°	46376
60°	40326
65°	35528
70°	30942
75°	25977
80°	21400
85°	16431



TEST NUMBER: P365724

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.2	7.0
10°-20°	616.5	17.8
20°-30°	758.4	21.9
30°-40°	679.9	19.6
40°-50°	497.6	14.4
50°-60°	336.4	9.7
60°-70°	209.0	6.0
70°-80°	101.0	2.9
80°-90°	23.9	0.7
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°	1616.0	46.7
0°-40°	2295.9	66.3
0°-60°	3130.0	90.4
0°-90°	3464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2622	
5°	2574	241
15°	2207	616
25°	1658	758
35°	1084	680
45°	639	498
55°	372	336
65°	210	209
75°	94	101
85°	20	24
90°	0	



TEST NUMBER: P365724

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2622.2
2.5°	2610.3
5°	2574.3
7.5°	2514.4
10°	2430.5
12.5°	2330.7
15°	2206.8
17.5°	2077.0
20°	1941.2
22.5°	1801.4
25°	1657.6
27.5°	1507.8
30°	1368.0
32.5°	1224.2
35°	1084.4
37.5°	958.6
40°	838.8
42.5°	731.0
45°	639.1
47.5°	557.2
50°	485.3
52.5°	427.4
55°	371.5
57.5°	325.5
60°	281.6
62.5°	243.7
65°	209.7
67.5°	177.7
70°	147.8
72.5°	119.8
75°	93.9
77.5°	69.9
80°	51.9
82.5°	34.0
85°	20.0
87.5°	8.0
90°	0.0

(END OF REPORT)