

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: P365767

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3569.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

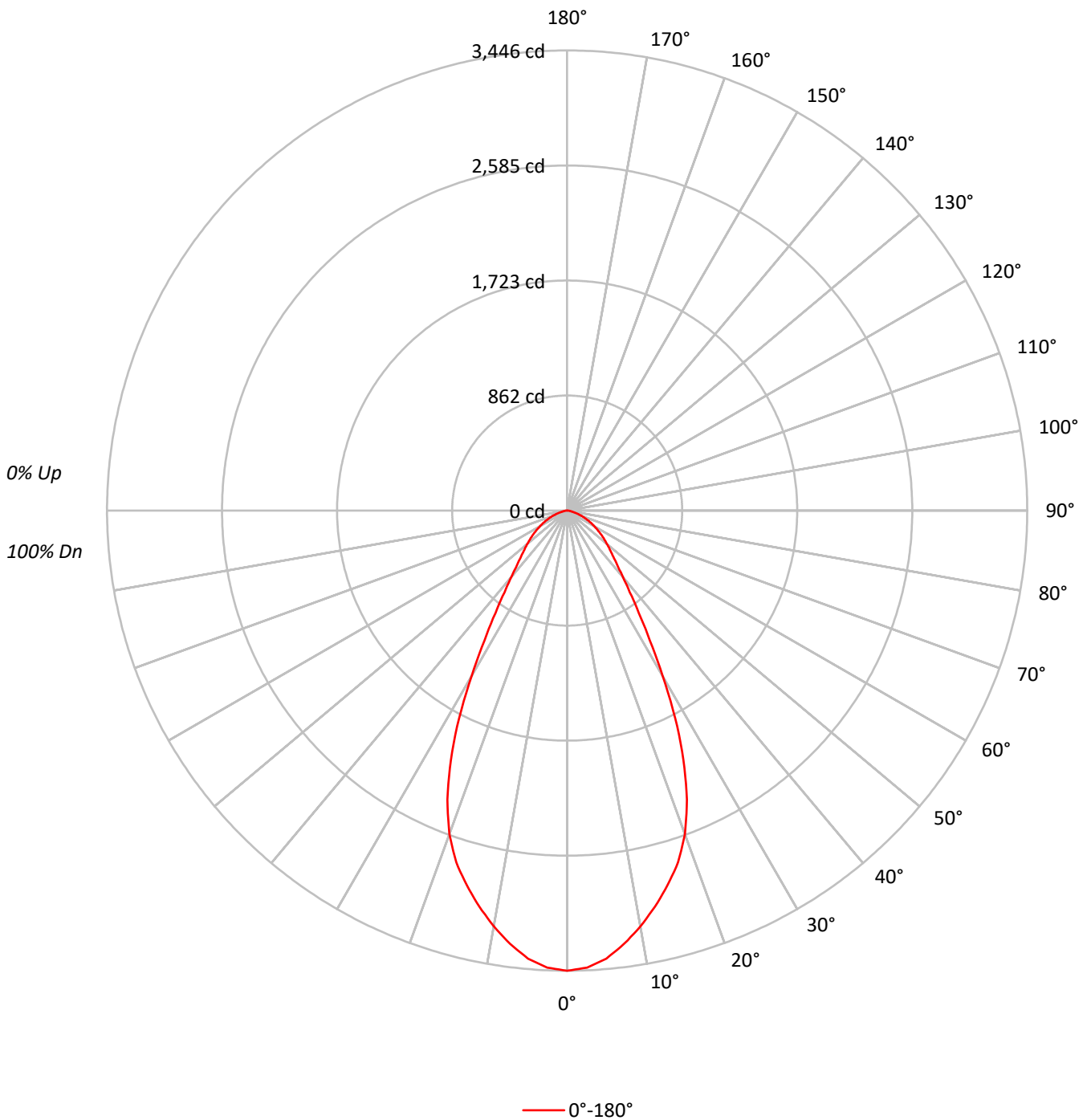
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365767

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI

### Luminous Intensity Polar Plot





TEST NUMBER: P365767

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI

**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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	246733
5°	242047
10°	229869
15°	215282
20°	196497
25°	162890
30°	118181
35°	81737
40°	60447
45°	49435
50°	43365
55°	38574
60°	33624
65°	28616
70°	22861
75°	16516
80°	11875
85°	13555



TEST NUMBER: P365767

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.7	8.8
10°-20°	812.0	22.8
20°-30°	928.8	26.0
30°-40°	602.2	16.9
40°-50°	384.0	10.8
50°-60°	276.6	7.7
60°-70°	168.1	4.7
70°-80°	66.9	1.9
80°-90°	15.7	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°	2055.5	57.6
0°-40°	2657.7	74.5
0°-60°	3318.2	93.0
0°-90°	3569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3446	
5°	3368	315
15°	2904	812
25°	2062	929
35°	935	602
45°	488	384
55°	309	277
65°	169	168
75°	60	67
85°	16	16
90°	0	



TEST NUMBER: P365767

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3445.9
2.5°	3425.3
5°	3367.6
7.5°	3272.9
10°	3161.6
12.5°	3038.1
15°	2904.2
17.5°	2762.1
20°	2578.8
22.5°	2343.9
25°	2061.8
27.5°	1752.8
30°	1429.4
32.5°	1151.4
35°	935.1
37.5°	770.3
40°	646.7
42.5°	556.1
45°	488.2
47.5°	434.6
50°	389.3
52.5°	348.1
55°	309.0
57.5°	269.8
60°	234.8
62.5°	201.9
65°	168.9
67.5°	138.0
70°	109.2
72.5°	84.4
75°	59.7
77.5°	41.2
80°	28.8
82.5°	18.5
85°	16.5
87.5°	8.2
90°	0.0

(END OF REPORT)