

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: P365499

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365499  
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: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1798.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 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

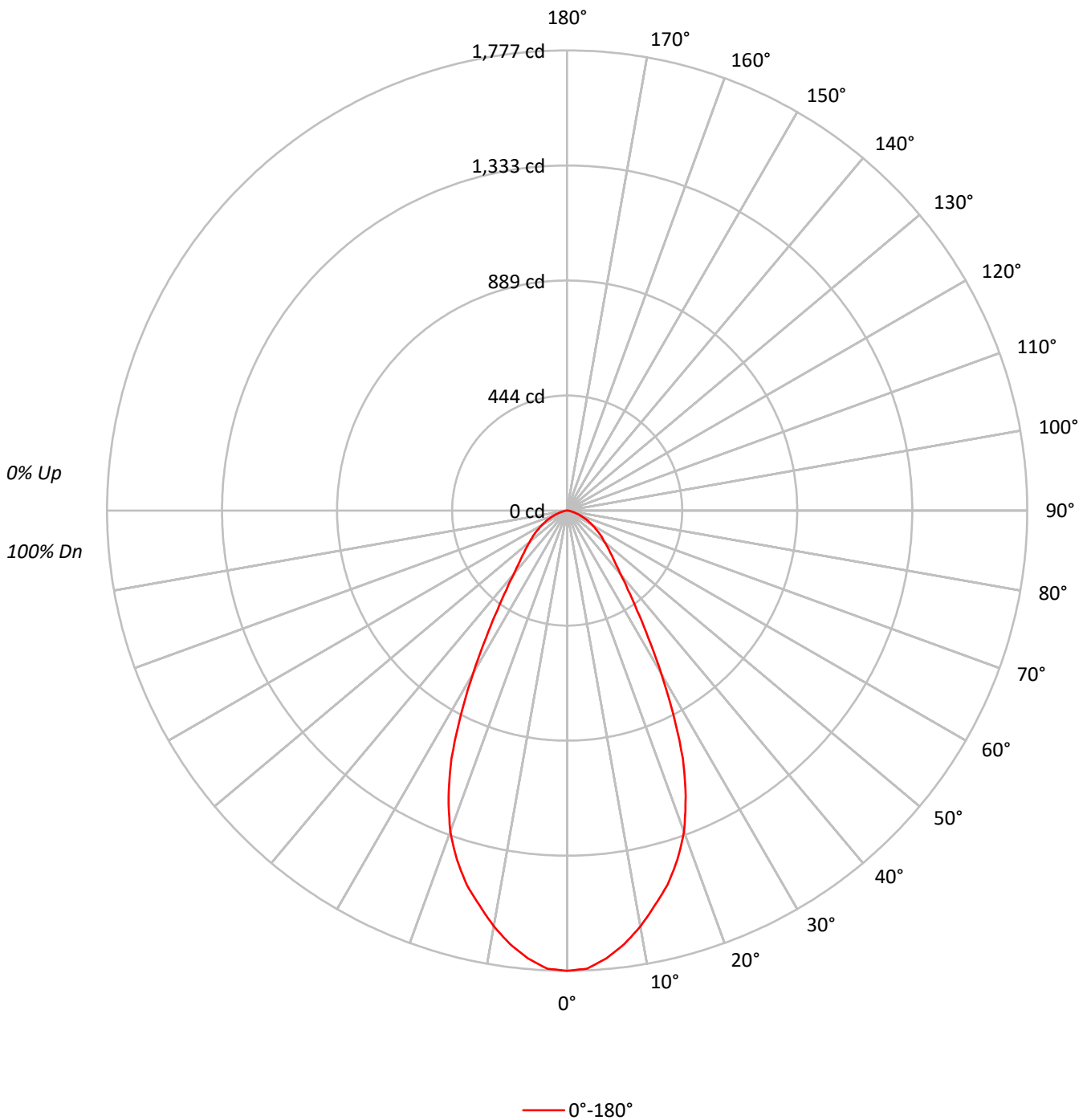
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365499

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR94

### Luminous Intensity Polar Plot





TEST NUMBER: P365499

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-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°	127265
5°	124768
10°	118497
15°	110932
20°	100550
25°	83499
30°	59901
35°	41074
40°	30125
45°	24454
50°	21053
55°	18663
60°	16211
65°	13689
70°	10782
75°	7829
80°	4989
85°	5833



TEST NUMBER: P365499

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR94

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.3	9.0
10°-20°	417.1	23.2
20°-30°	473.6	26.3
30°-40°	303.1	16.9
40°-50°	189.4	10.5
50°-60°	134.1	7.5
60°-70°	80.2	4.5
70°-80°	31.2	1.7
80°-90°	6.9	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°	1053.1	58.6
0°-40°	1356.2	75.4
0°-60°	1679.6	93.4
0°-90°	1798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1777	
5°	1736	162
15°	1496	417
25°	1057	474
35°	470	303
45°	242	189
55°	150	134
65°	81	80
75°	28	31
85°	7	7
90°	0	



TEST NUMBER: P365499

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR94

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1777.4
2.5°	1770.3
5°	1735.9
7.5°	1688.4
10°	1629.8
12.5°	1562.1
15°	1496.5
17.5°	1414.6
20°	1319.6
22.5°	1196.4
25°	1056.9
27.5°	888.2
30°	724.5
32.5°	582.0
35°	469.9
37.5°	386.0
40°	322.3
42.5°	274.8
45°	241.5
47.5°	213.2
50°	189.0
52.5°	169.8
55°	149.5
57.5°	130.3
60°	113.2
62.5°	96.0
65°	80.8
67.5°	65.7
70°	51.5
72.5°	39.4
75°	28.3
77.5°	19.2
80°	12.1
82.5°	8.1
85°	7.1
87.5°	4.0
90°	0.0

(END OF REPORT)