

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: P366216

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366216  
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: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2203.9 lumens  
Efficiency: N/A  
Efficacy: 81.6 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

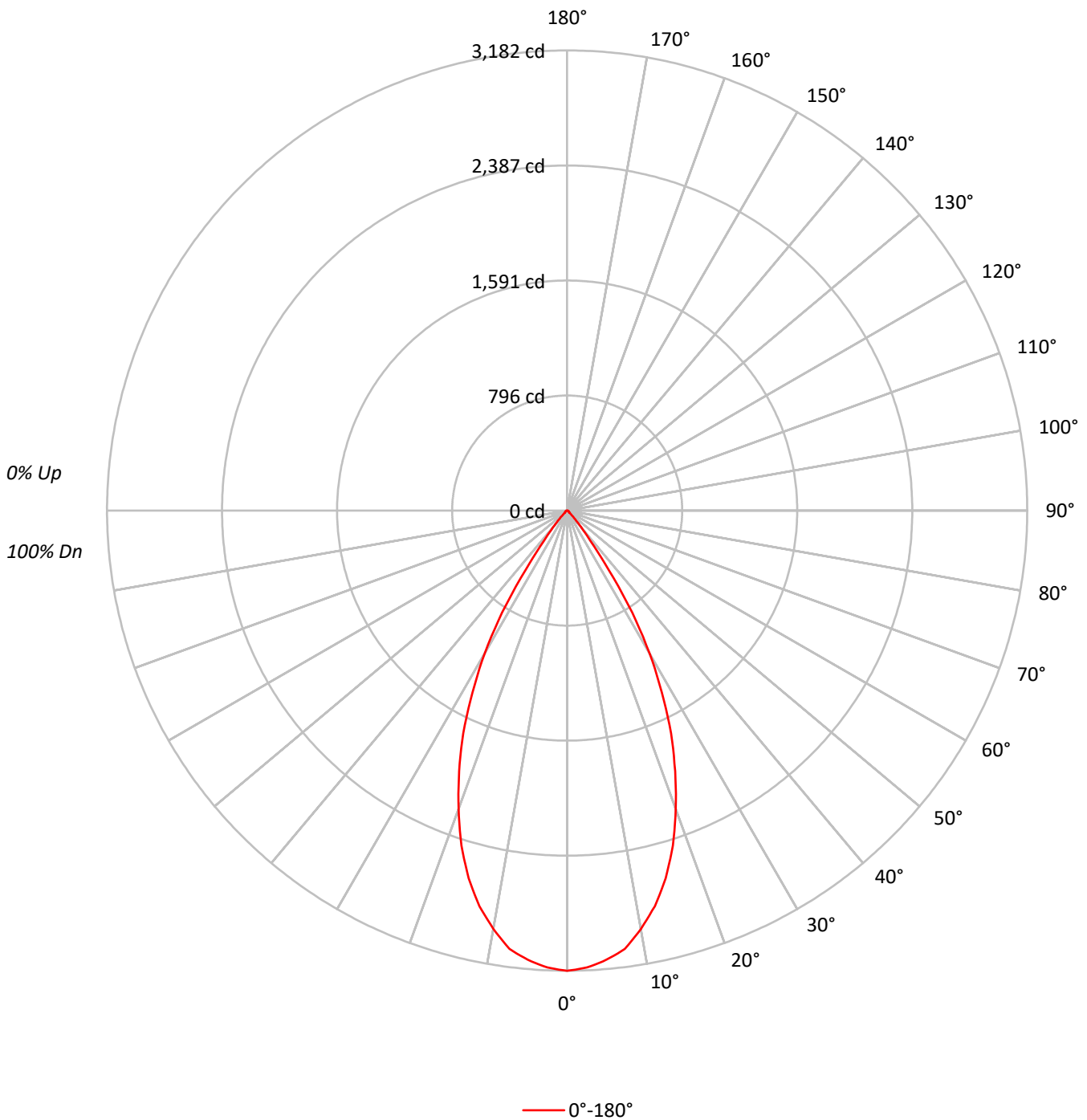
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366216

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR87

### Luminous Intensity Polar Plot





TEST NUMBER: P366216

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR87

**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°	227873
5°	224122
10°	213546
15°	195134
20°	167344
25°	134275
30°	94138
35°	43495
40°	13964
45°	4506
50°	2094
55°	1848
60°	1847
65°	1677
70°	1654
75°	1909
80°	2433
85°	4026



TEST NUMBER: P366216

CATALOG NUMBER: FLD6BX30D010-FEUG6B35-8040-F6LBXVM1-WMH-BTR87

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.4	13.3
10°-20°	728.5	33.1
20°-30°	765.0	34.7
30°-40°	339.5	15.4
40°-50°	43.9	2.0
50°-60°	13.7	0.6
60°-70°	9.7	0.4
70°-80°	7.0	0.3
80°-90°	4.3	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°	1785.9	81.0
0°-40°	2125.4	96.4
0°-60°	2182.9	99.0
0°-90°	2203.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3182	
5°	3118	292
15°	2632	728
25°	1700	765
35°	498	339
45°	44	44
55°	15	14
65°	10	10
75°	7	7
85°	5	4
90°	0	



TEST NUMBER: P366216

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR87

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3182.5
2.5°	3162.7
5°	3118.2
7.5°	3057.8
10°	2937.1
12.5°	2801.6
15°	2632.4
17.5°	2429.6
20°	2196.2
22.5°	1950.8
25°	1699.6
27.5°	1417.6
30°	1138.6
32.5°	836.9
35°	497.6
37.5°	265.1
40°	149.4
42.5°	82.1
45°	44.5
47.5°	22.8
50°	18.8
52.5°	16.8
55°	14.8
57.5°	13.8
60°	12.9
62.5°	10.9
65°	9.9
67.5°	7.9
70°	7.9
72.5°	6.9
75°	6.9
77.5°	5.9
80°	5.9
82.5°	4.9
85°	4.9
87.5°	3.0
90°	0.0

(END OF REPORT)