

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: P366110

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1595.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 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

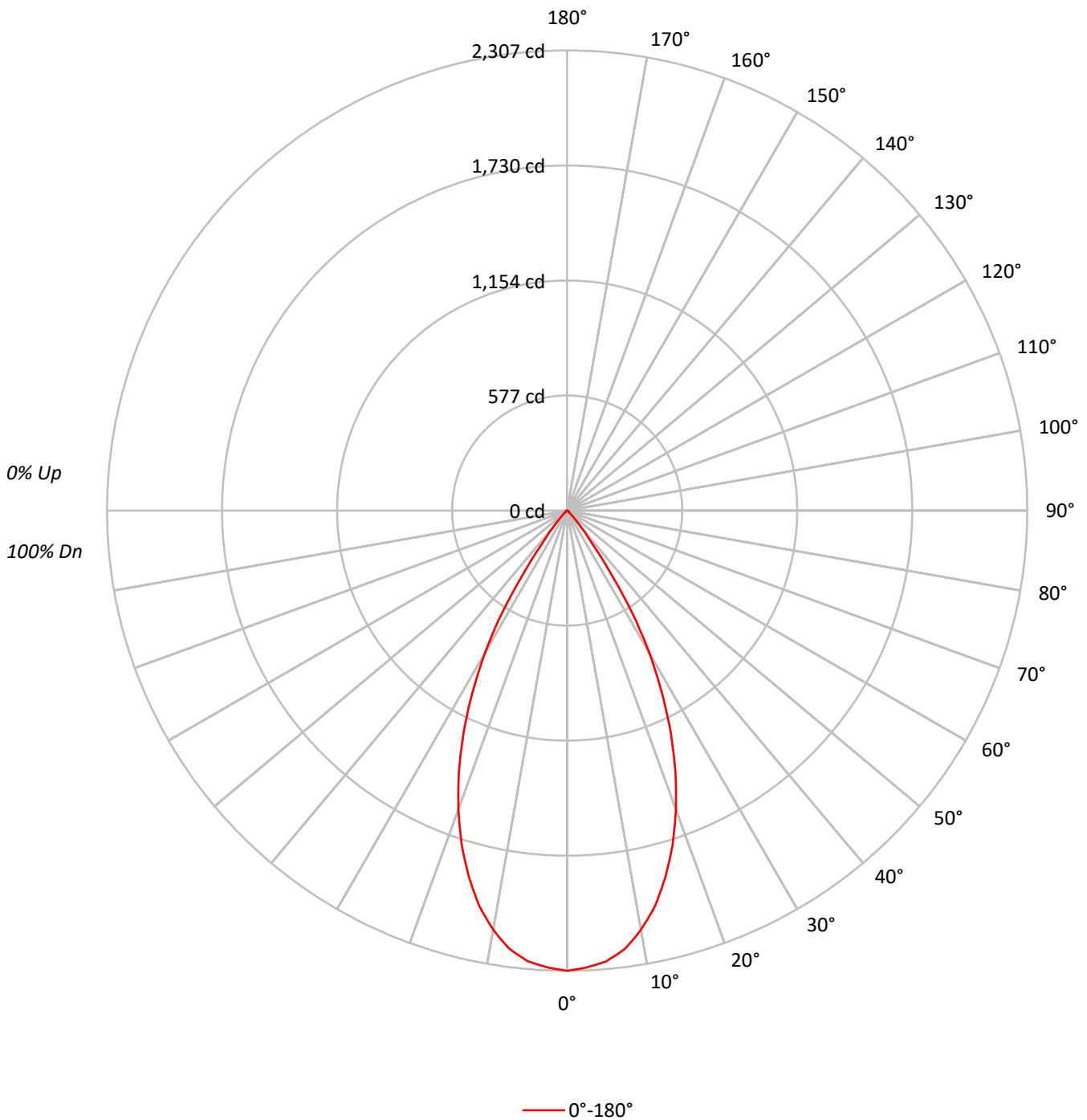
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366110

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P366110

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV

**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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	165214
5°	162985
10°	155141
15°	141035
20°	121451
25°	97080
30°	68069
35°	31669
40°	10001
45°	3129
50°	1381
55°	1286
60°	1174
65°	1050
70°	1151
75°	1328
80°	1691
85°	2793



TEST NUMBER: P366110

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.3	13.3
10°-20°	527.6	33.1
20°-30°	554.6	34.8
30°-40°	246.1	15.4
40°-50°	30.8	1.9
50°-60°	9.2	0.6
60°-70°	6.4	0.4
70°-80°	5.1	0.3
80°-90°	3.0	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°	1294.4	81.2
0°-40°	1540.5	96.6
0°-60°	1580.5	99.1
0°-90°	1595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1595.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2307	
5°	2268	212
15°	1903	528
25°	1229	555
35°	362	246
45°	31	31
55°	10	9
65°	6	6
75°	5	5
85°	3	3
90°	0	



TEST NUMBER: P366110

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR89BV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2307.4
2.5°	2292.3
5°	2267.6
7.5°	2216.9
10°	2133.8
12.5°	2032.3
15°	1902.6
17.5°	1756.5
20°	1593.9
22.5°	1417.5
25°	1228.8
27.5°	1028.5
30°	823.3
32.5°	605.8
35°	362.3
37.5°	192.8
40°	107.0
42.5°	58.3
45°	30.9
47.5°	15.1
50°	12.4
52.5°	11.0
55°	10.3
57.5°	9.6
60°	8.2
62.5°	7.5
65°	6.2
67.5°	5.5
70°	5.5
72.5°	4.8
75°	4.8
77.5°	4.8
80°	4.1
82.5°	3.4
85°	3.4
87.5°	2.1
90°	0.0

(END OF REPORT)