

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: P366252

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366252  
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: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2871.9 lumens  
Efficiency: N/A  
Efficacy: 70.7 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

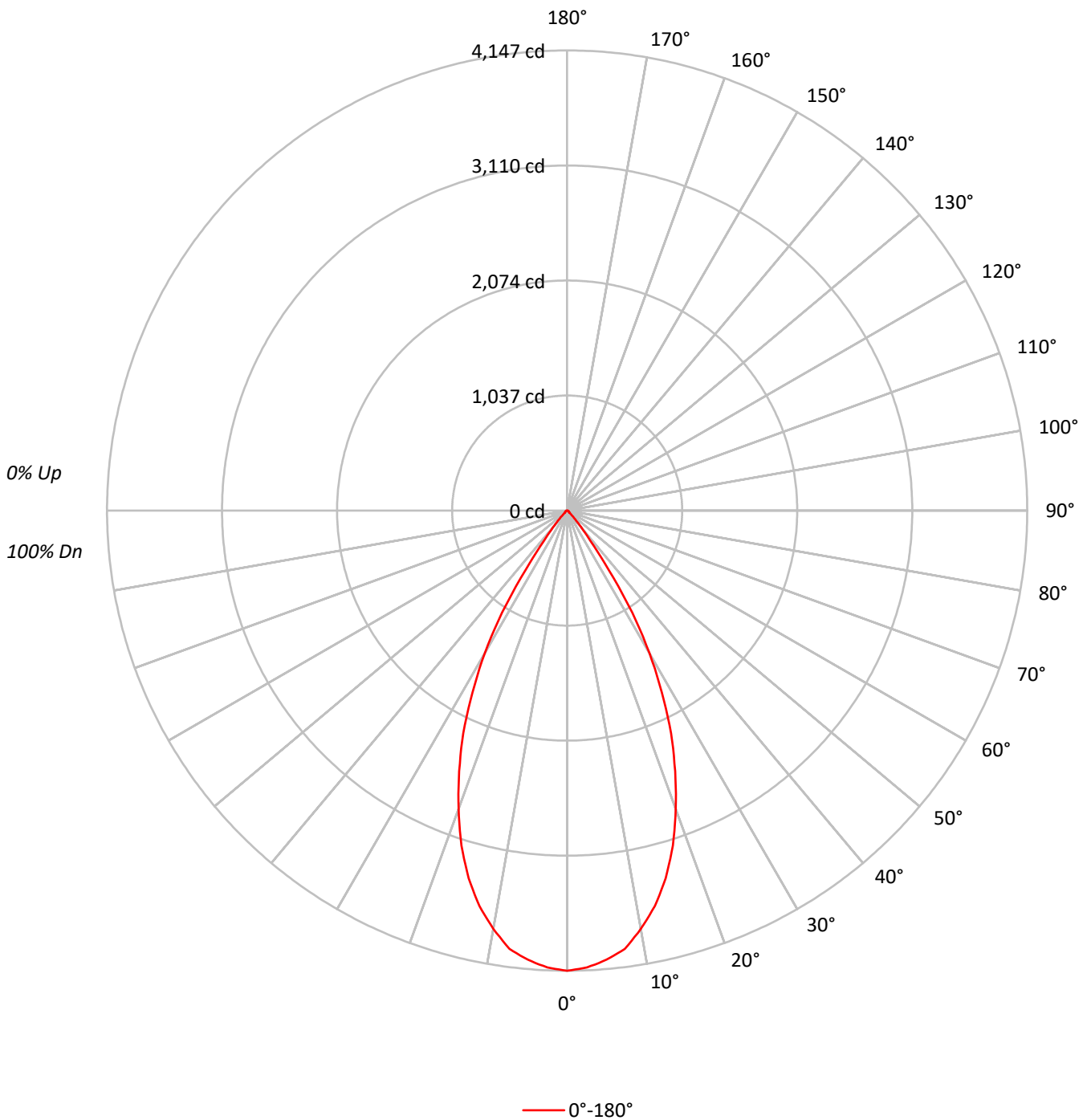
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366252

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87

### Luminous Intensity Polar Plot





TEST NUMBER: P366252

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-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°	296933
5°	292044
10°	278269
15°	254280
20°	218061
25°	174970
30°	122670
35°	56676
40°	18199
45°	5873
50°	2729
55°	2409
60°	2406
65°	2186
70°	2156
75°	2490
80°	3175
85°	5258



TEST NUMBER: P366252

CATALOG NUMBER: FLD6BX40D010-FEUGB35-8027-F6LBXVM1-WMH-BTR87

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.1	13.3
10°-20°	949.2	33.1
20°-30°	996.9	34.7
30°-40°	442.4	15.4
40°-50°	57.2	2.0
50°-60°	17.8	0.6
60°-70°	12.6	0.4
70°-80°	9.2	0.3
80°-90°	5.6	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°	2327.2	81.0
0°-40°	2769.6	96.4
0°-60°	2844.6	99.0
0°-90°	2871.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2871.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4147	
5°	4063	381
15°	3430	949
25°	2215	997
35°	648	442
45°	58	57
55°	19	18
65°	13	13
75°	9	9
85°	6	6
90°	0	



TEST NUMBER: P366252

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4147.0
2.5°	4121.2
5°	4063.2
7.5°	3984.6
10°	3827.3
12.5°	3650.7
15°	3430.3
17.5°	3166.0
20°	2861.8
22.5°	2542.1
25°	2214.7
27.5°	1847.3
30°	1483.7
32.5°	1090.6
35°	648.4
37.5°	345.5
40°	194.7
42.5°	107.0
45°	58.0
47.5°	29.6
50°	24.5
52.5°	21.9
55°	19.3
57.5°	18.0
60°	16.8
62.5°	14.2
65°	12.9
67.5°	10.3
70°	10.3
72.5°	9.0
75°	9.0
77.5°	7.7
80°	7.7
82.5°	6.4
85°	6.4
87.5°	3.9
90°	0.0

(END OF REPORT)