

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: P365886

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 779.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

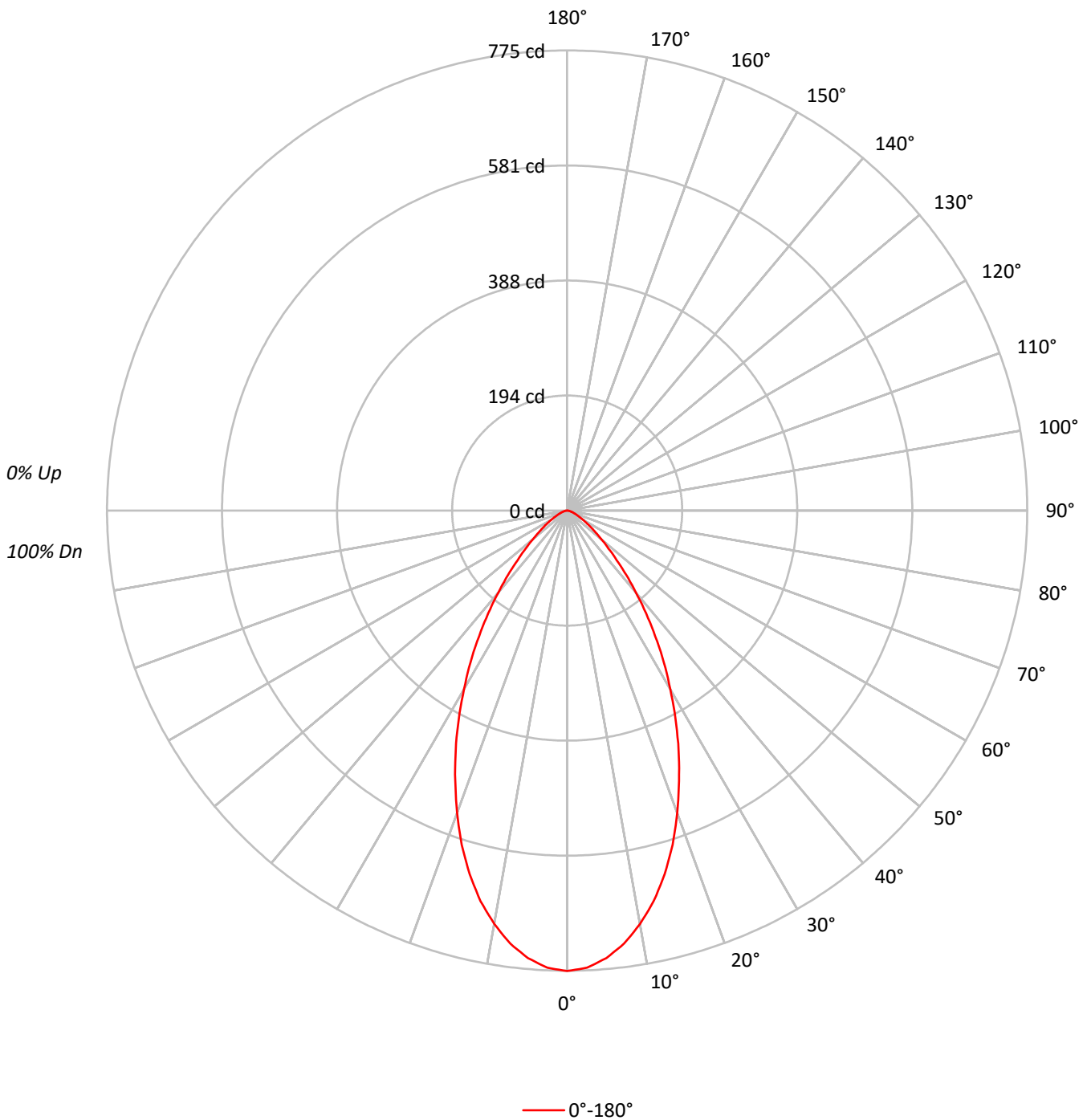
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365886

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P365886

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80

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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	76	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55520
5°	54374
10°	51403
15°	46982
20°	41276
25°	35086
30°	28698
35°	22595
40°	16834
45°	11939
50°	8421
55°	6054
60°	4325
65°	3151
70°	2449
75°	1992
80°	1691
85°	1725



TEST NUMBER: P365886

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	9.1
10°-20°	176.4	22.6
20°-30°	202.9	26.0
30°-40°	161.9	20.8
40°-50°	93.3	12.0
50°-60°	44.5	5.7
60°-70°	19.3	2.5
70°-80°	7.9	1.0
80°-90°	2.4	0.3
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°	449.9	57.7
0°-40°	611.8	78.5
0°-60°	749.6	96.2
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	775	
5°	756	71
15°	634	176
25°	444	203
35°	258	162
45°	118	93
55°	48	44
65°	19	19
75°	7	8
85°	2	2
90°	0	



TEST NUMBER: P365886

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80

CANDELA DISTRIBUTION (FULL):

0°	
0°	775.4
2.5°	770.6
5°	756.5
7.5°	735.5
10°	707.0
12.5°	673.7
15°	633.8
17.5°	590.5
20°	541.7
22.5°	492.5
25°	444.1
27.5°	394.9
30°	347.1
32.5°	303.5
35°	258.5
37.5°	218.3
40°	180.1
42.5°	147.4
45°	117.9
47.5°	94.5
50°	75.6
52.5°	60.5
55°	48.5
57.5°	38.2
60°	30.2
62.5°	23.7
65°	18.6
67.5°	14.8
70°	11.7
72.5°	9.3
75°	7.2
77.5°	5.5
80°	4.1
82.5°	3.1
85°	2.1
87.5°	1.4
90°	0.0

(END OF REPORT)