

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: P365264

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 876.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

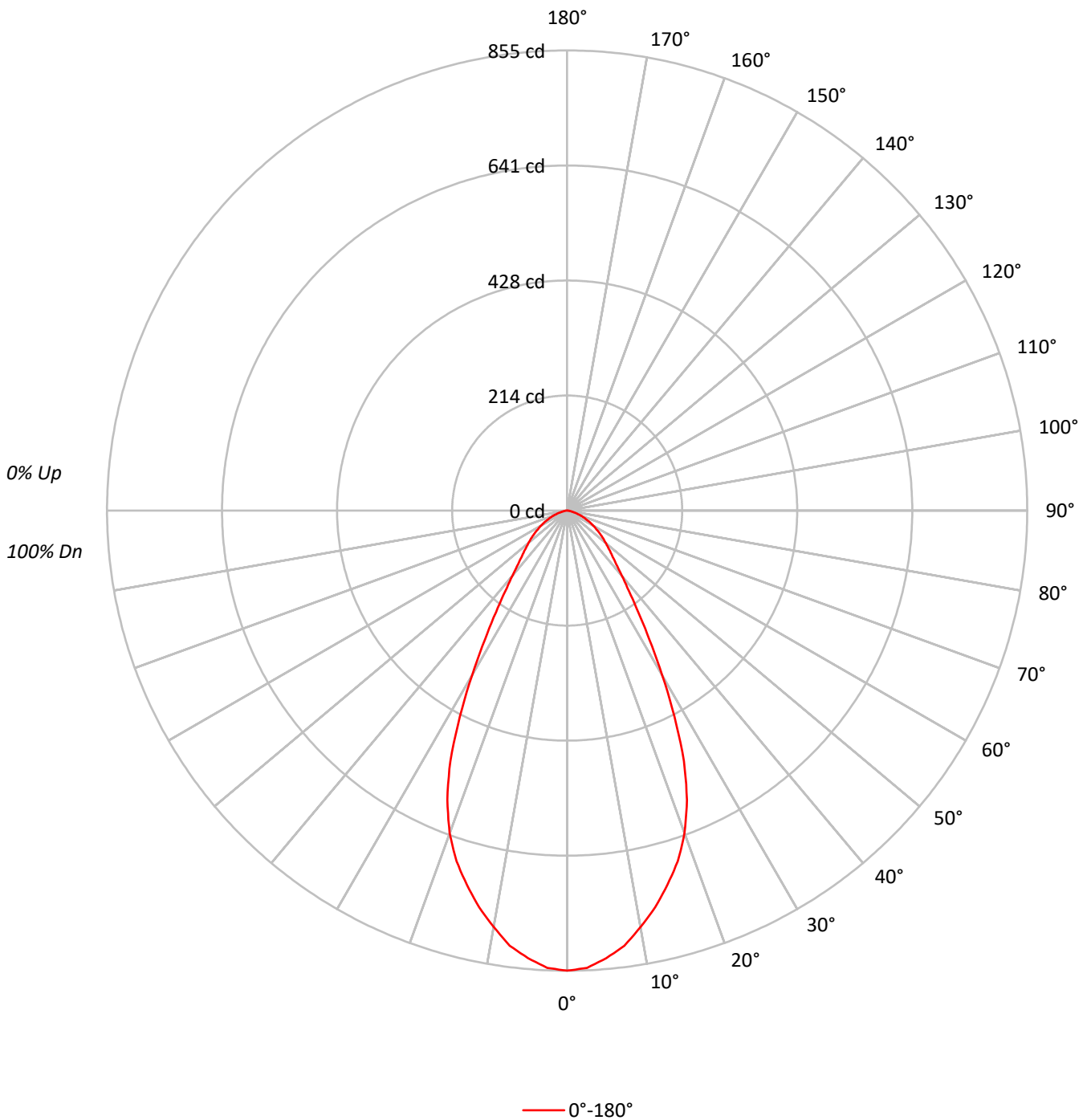
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61198
5°	59987
10°	57118
15°	53350
20°	48606
25°	40576
30°	29169
35°	20139
40°	14721
45°	11928
50°	10415
55°	9213
60°	8034
65°	6811
70°	5485
75°	3873
80°	2680
85°	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	8.9
10°-20°	201.3	23.0
20°-30°	230.0	26.3
30°-40°	148.0	16.9
40°-50°	92.8	10.6
50°-60°	66.2	7.6
60°-70°	40.2	4.6
70°-80°	15.7	1.8
80°-90°	3.6	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°	509.5	58.2
0°-40°	657.5	75.1
0°-60°	816.6	93.2
0°-90°	876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	835	78
15°	720	201
25°	514	230
35°	230	148
45°	118	93
55°	74	66
65°	40	40
75°	14	16
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	854.7
2.5°	850.5
5°	834.6
7.5°	815.5
10°	785.6
12.5°	755.2
15°	719.7
17.5°	683.2
20°	637.9
22.5°	581.8
25°	513.6
27.5°	431.3
30°	352.8
32.5°	283.7
35°	230.4
37.5°	188.3
40°	157.5
42.5°	134.6
45°	117.8
47.5°	104.7
50°	93.5
52.5°	83.7
55°	73.8
57.5°	64.5
60°	56.1
62.5°	48.1
65°	40.2
67.5°	33.2
70°	26.2
72.5°	19.6
75°	14.0
77.5°	9.8
80°	6.5
82.5°	4.2
85°	3.7
87.5°	1.9
90°	0.0

(END OF REPORT)