

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: P365259

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.0 lumens
Efficiency: N/A
Efficacy: 58.5 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

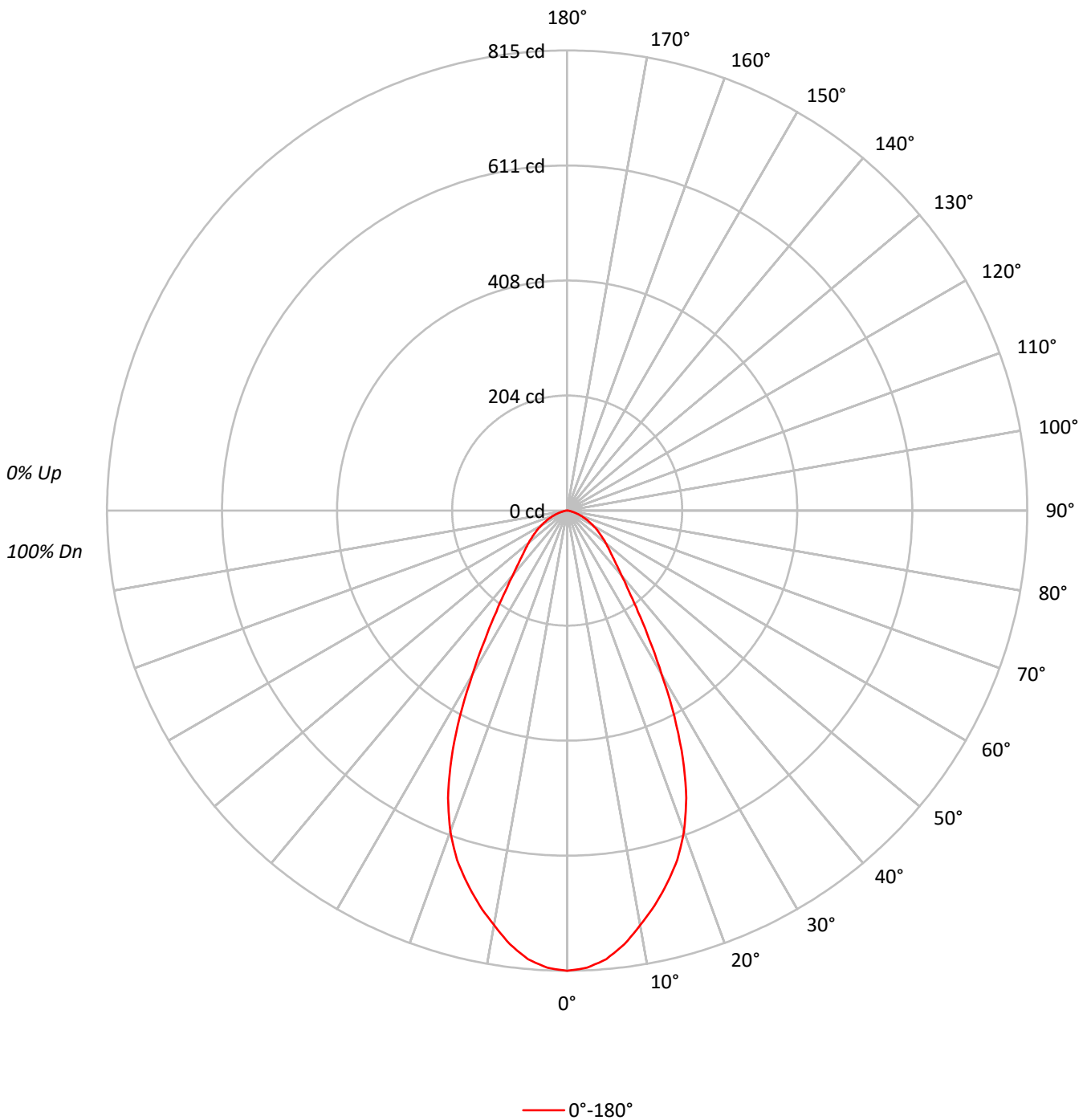
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	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	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	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°	58363
5°	57313
10°	54203
15°	50681
20°	46076
25°	38348
30°	27689
35°	19134
40°	13992
45°	11361
50°	9903
55°	8701
60°	7561
65°	6421
70°	5192
75°	3624
80°	2309
85°	2711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	9.0
10°-20°	191.0	23.0
20°-30°	218.2	26.3
30°-40°	140.8	16.9
40°-50°	88.4	10.6
50°-60°	62.7	7.5
60°-70°	37.8	4.5
70°-80°	14.6	1.8
80°-90°	3.2	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°	483.7	58.2
0°-40°	624.4	75.1
0°-60°	775.5	93.3
0°-90°	831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	815	
5°	797	74
15°	684	191
25°	485	218
35°	219	141
45°	112	88
55°	70	63
65°	38	38
75°	13	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	815.1
2.5°	810.5
5°	797.4
7.5°	774.9
10°	745.5
12.5°	716.5
15°	683.7
17.5°	648.7
20°	604.7
22.5°	551.4
25°	485.4
27.5°	411.1
30°	334.9
32.5°	270.8
35°	218.9
37.5°	178.7
40°	149.7
42.5°	128.6
45°	112.2
47.5°	99.6
50°	88.9
52.5°	79.0
55°	69.7
57.5°	61.3
60°	52.8
62.5°	45.4
65°	37.9
67.5°	30.9
70°	24.8
72.5°	18.2
75°	13.1
77.5°	8.9
80°	5.6
82.5°	3.7
85°	3.3
87.5°	1.9
90°	0.0

(END OF REPORT)