

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: P365337

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 918.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

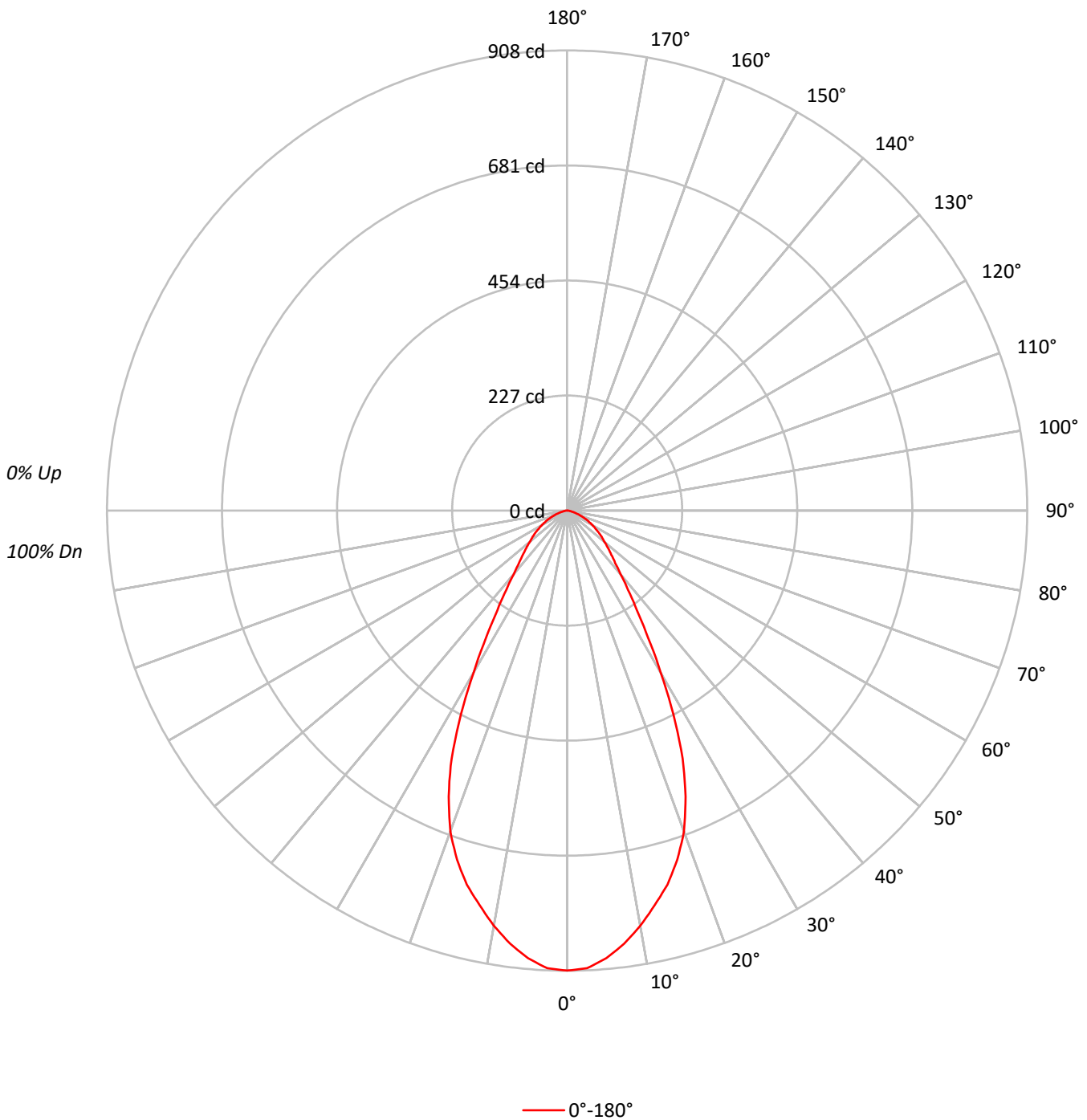
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64979
5°	63703
10°	60499
15°	56634
20°	51342
25°	42631
30°	30583
35°	20970
40°	15385
45°	12485
50°	10749
55°	9537
60°	8277
65°	6997
70°	5506
75°	3984
80°	2556
85°	2958



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	9.0
10°-20°	213.0	23.2
20°-30°	241.8	26.3
30°-40°	154.8	16.9
40°-50°	96.7	10.5
50°-60°	68.5	7.5
60°-70°	41.0	4.5
70°-80°	15.9	1.7
80°-90°	3.5	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°	537.7	58.6
0°-40°	692.5	75.4
0°-60°	857.6	93.4
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	908	
5°	886	83
15°	764	213
25°	540	242
35°	240	155
45°	123	97
55°	76	68
65°	41	41
75°	14	16
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	907.5
2.5°	903.9
5°	886.3
7.5°	862.1
10°	832.1
12.5°	797.6
15°	764.0
17.5°	722.3
20°	673.8
22.5°	610.8
25°	539.6
27.5°	453.5
30°	369.9
32.5°	297.2
35°	239.9
37.5°	197.1
40°	164.6
42.5°	140.3
45°	123.3
47.5°	108.9
50°	96.5
52.5°	86.7
55°	76.4
57.5°	66.6
60°	57.8
62.5°	49.0
65°	41.3
67.5°	33.5
70°	26.3
72.5°	20.1
75°	14.4
77.5°	9.8
80°	6.2
82.5°	4.1
85°	3.6
87.5°	2.1
90°	0.0

(END OF REPORT)