

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: P365265

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365265
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-FEU6B12-8027-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: 832.0 lumens
Efficiency: N/A
Efficacy: 58.6 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

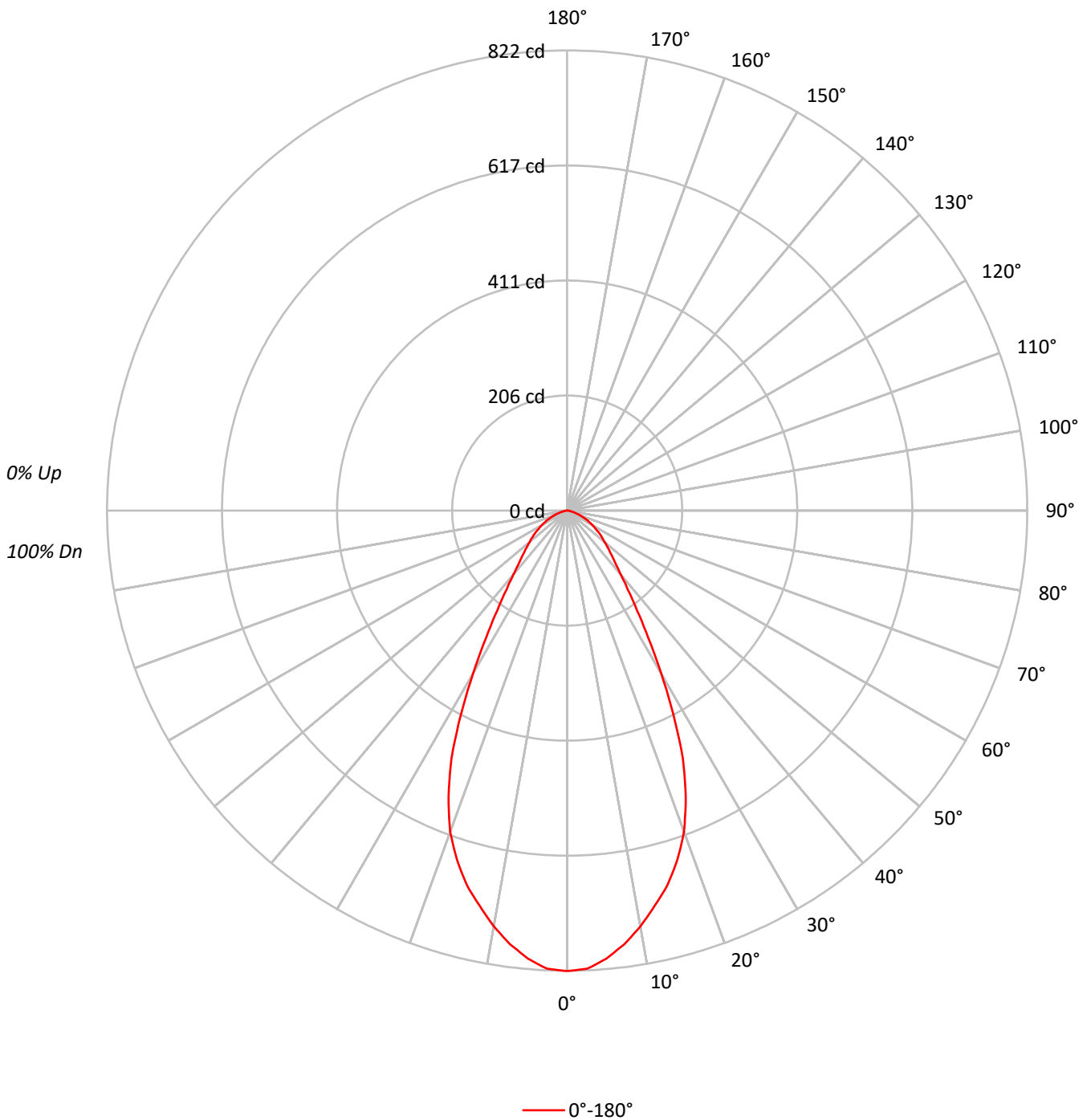
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	58893
5°	57737
10°	54835
15°	51333
20°	46526
25°	38641
30°	27714
35°	19003
40°	13946
45°	11311
50°	9736
55°	8639
60°	7504
65°	6336
70°	4983
75°	3624
80°	2309
85°	2711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	9.0
10°-20°	193.0	23.2
20°-30°	219.2	26.3
30°-40°	140.3	16.9
40°-50°	87.6	10.5
50°-60°	62.0	7.5
60°-70°	37.1	4.5
70°-80°	14.4	1.7
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°	487.3	58.6
0°-40°	627.6	75.4
0°-60°	777.2	93.4
0°-90°	832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	822	
5°	803	75
15°	692	193
25°	489	219
35°	217	140
45°	112	88
55°	69	62
65°	37	37
75°	13	14
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	822.5
2.5°	819.2
5°	803.3
7.5°	781.3
10°	754.2
12.5°	722.9
15°	692.5
17.5°	654.6
20°	610.6
22.5°	553.6
25°	489.1
27.5°	411.0
30°	335.2
32.5°	269.3
35°	217.4
37.5°	178.6
40°	149.2
42.5°	127.2
45°	111.7
47.5°	98.7
50°	87.4
52.5°	78.6
55°	69.2
57.5°	60.3
60°	52.4
62.5°	44.4
65°	37.4
67.5°	30.4
70°	23.8
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)