

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: P365280

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 851.0 lumens
Efficiency: N/A
Efficacy: 59.9 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

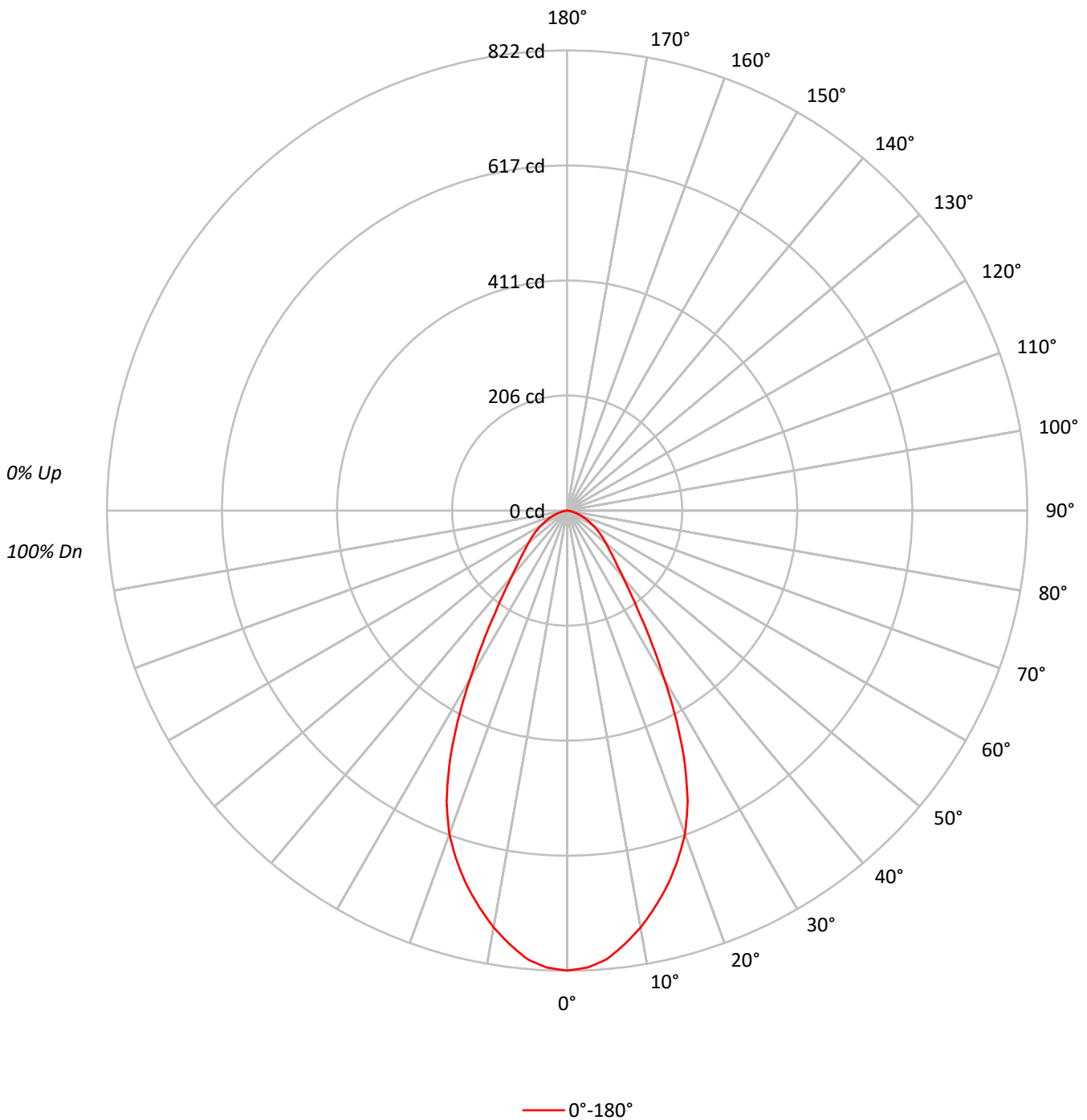
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	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	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58828
5°	57860
10°	54973
15°	51363
20°	46869
25°	39241
30°	28565
35°	19763
40°	14450
45°	11645
50°	10081
55°	8913
60°	7776
65°	6624
70°	5422
75°	4067
80°	2845
85°	2382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	8.8
10°-20°	193.5	22.7
20°-30°	223.4	26.3
30°-40°	145.7	17.1
40°-50°	90.4	10.6
50°-60°	64.2	7.5
60°-70°	39.0	4.6
70°-80°	16.2	1.9
80°-90°	3.3	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°	492.1	57.8
0°-40°	637.8	74.9
0°-60°	792.4	93.1
0°-90°	851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	822	
5°	805	75
15°	693	194
25°	497	223
35°	226	146
45°	115	90
55°	71	64
65°	39	39
75°	15	16
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	821.6
2.5°	817.2
5°	805.0
7.5°	782.0
10°	756.1
12.5°	725.2
15°	692.9
17.5°	655.7
20°	615.1
22.5°	562.8
25°	496.7
27.5°	422.8
30°	345.5
32.5°	280.9
35°	226.1
37.5°	185.5
40°	154.6
42.5°	131.6
45°	115.0
47.5°	101.3
50°	90.5
52.5°	80.7
55°	71.4
57.5°	63.1
60°	54.3
62.5°	46.5
65°	39.1
67.5°	32.3
70°	25.9
72.5°	20.1
75°	14.7
77.5°	10.3
80°	6.9
82.5°	4.4
85°	2.9
87.5°	1.5
90°	0.0

(END OF REPORT)