

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: P365328

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 895.1 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

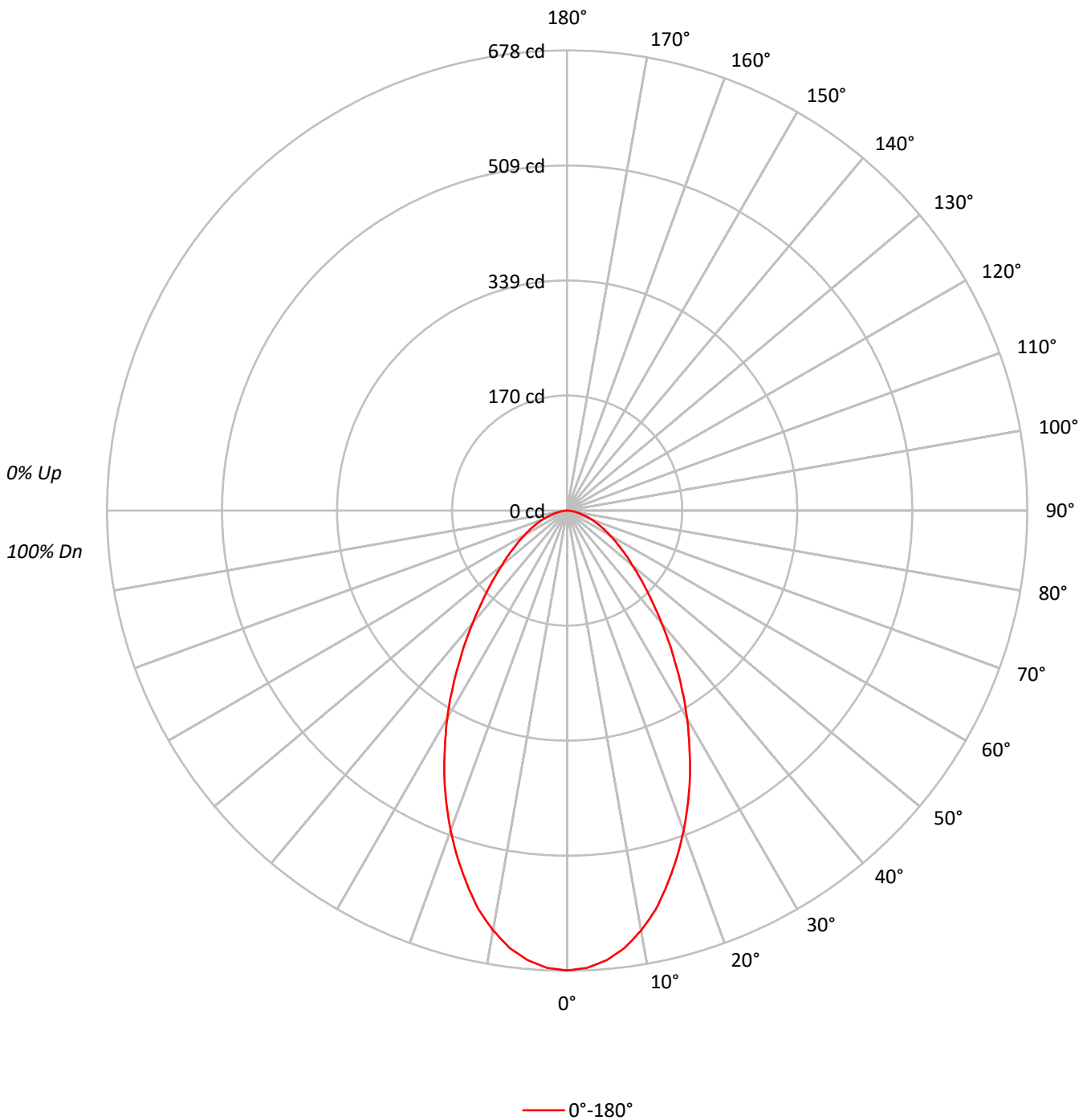
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48510
5°	47804
10°	45660
15°	42268
20°	38220
25°	33837
30°	29227
35°	24492
40°	20255
45°	16718
50°	13969
55°	11984
60°	10425
65°	9183
70°	7997
75°	6723
80°	5525
85°	4272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	7.0
10°-20°	159.3	17.8
20°-30°	195.9	21.9
30°-40°	175.7	19.6
40°-50°	128.6	14.4
50°-60°	86.9	9.7
60°-70°	54.0	6.0
70°-80°	26.1	2.9
80°-90°	6.2	0.7
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°	417.5	46.6
0°-40°	593.2	66.3
0°-60°	808.7	90.4
0°-90°	895.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	678	
5°	665	62
15°	570	159
25°	428	196
35°	280	176
45°	165	129
55°	96	87
65°	54	54
75°	24	26
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	677.5
2.5°	674.4
5°	665.1
7.5°	649.7
10°	628.0
12.5°	602.2
15°	570.2
17.5°	536.6
20°	501.6
22.5°	465.4
25°	428.3
27.5°	389.6
30°	353.5
32.5°	316.3
35°	280.2
37.5°	247.7
40°	216.7
42.5°	188.9
45°	165.1
47.5°	144.0
50°	125.4
52.5°	110.4
55°	96.0
57.5°	84.1
60°	72.8
62.5°	63.0
65°	54.2
67.5°	45.9
70°	38.2
72.5°	31.0
75°	24.3
77.5°	18.1
80°	13.4
82.5°	8.8
85°	5.2
87.5°	2.1
90°	0.0

(END OF REPORT)