

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: P365292

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365292
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-FEU6B12-8035-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: 865.0 lumens
Efficiency: N/A
Efficacy: 60.9 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

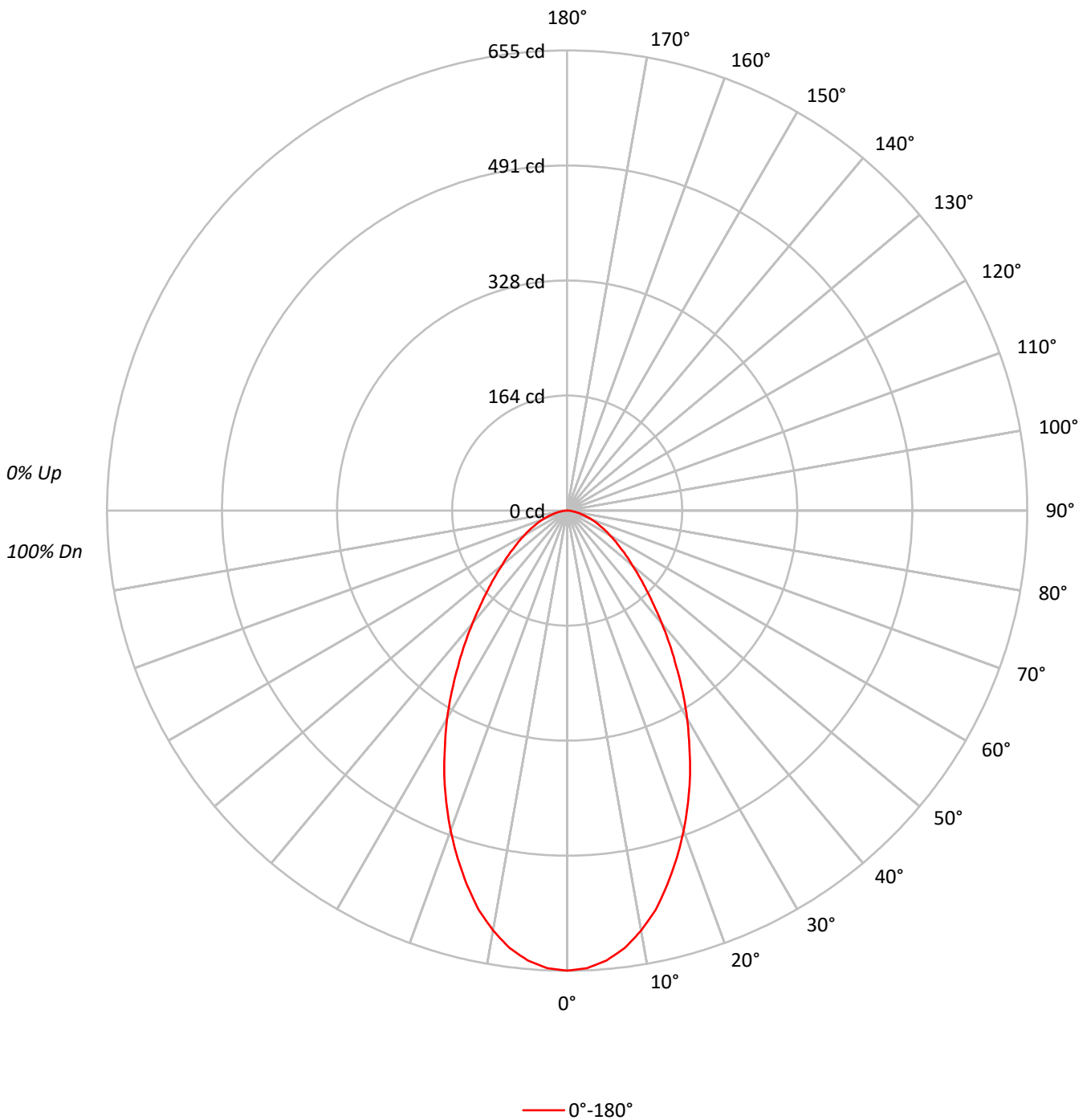
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	72	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°	46885
5°	46201
10°	44126
15°	40852
20°	36933
25°	32700
30°	28243
35°	23671
40°	19582
45°	16161
50°	13501
55°	11585
60°	10067
65°	8878
70°	7725
75°	6474
80°	5360
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	7.0
10°-20°	153.9	17.8
20°-30°	189.4	21.9
30°-40°	169.8	19.6
40°-50°	124.3	14.4
50°-60°	84.0	9.7
60°-70°	52.2	6.0
70°-80°	25.2	2.9
80°-90°	6.0	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°	403.5	46.7
0°-40°	573.3	66.3
0°-60°	781.6	90.4
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	655	
5°	643	60
15°	551	154
25°	414	189
35°	271	170
45°	160	124
55°	93	84
65°	52	52
75°	23	25
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	654.8
2.5°	651.8
5°	642.8
7.5°	627.9
10°	606.9
12.5°	582.0
15°	551.1
17.5°	518.7
20°	484.7
22.5°	449.8
25°	413.9
27.5°	376.5
30°	341.6
32.5°	305.7
35°	270.8
37.5°	239.4
40°	209.5
42.5°	182.5
45°	159.6
47.5°	139.1
50°	121.2
52.5°	106.7
55°	92.8
57.5°	81.3
60°	70.3
62.5°	60.8
65°	52.4
67.5°	44.4
70°	36.9
72.5°	29.9
75°	23.4
77.5°	17.5
80°	13.0
82.5°	8.5
85°	5.0
87.5°	2.0
90°	0.0

(END OF REPORT)