

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: P365994

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1108.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

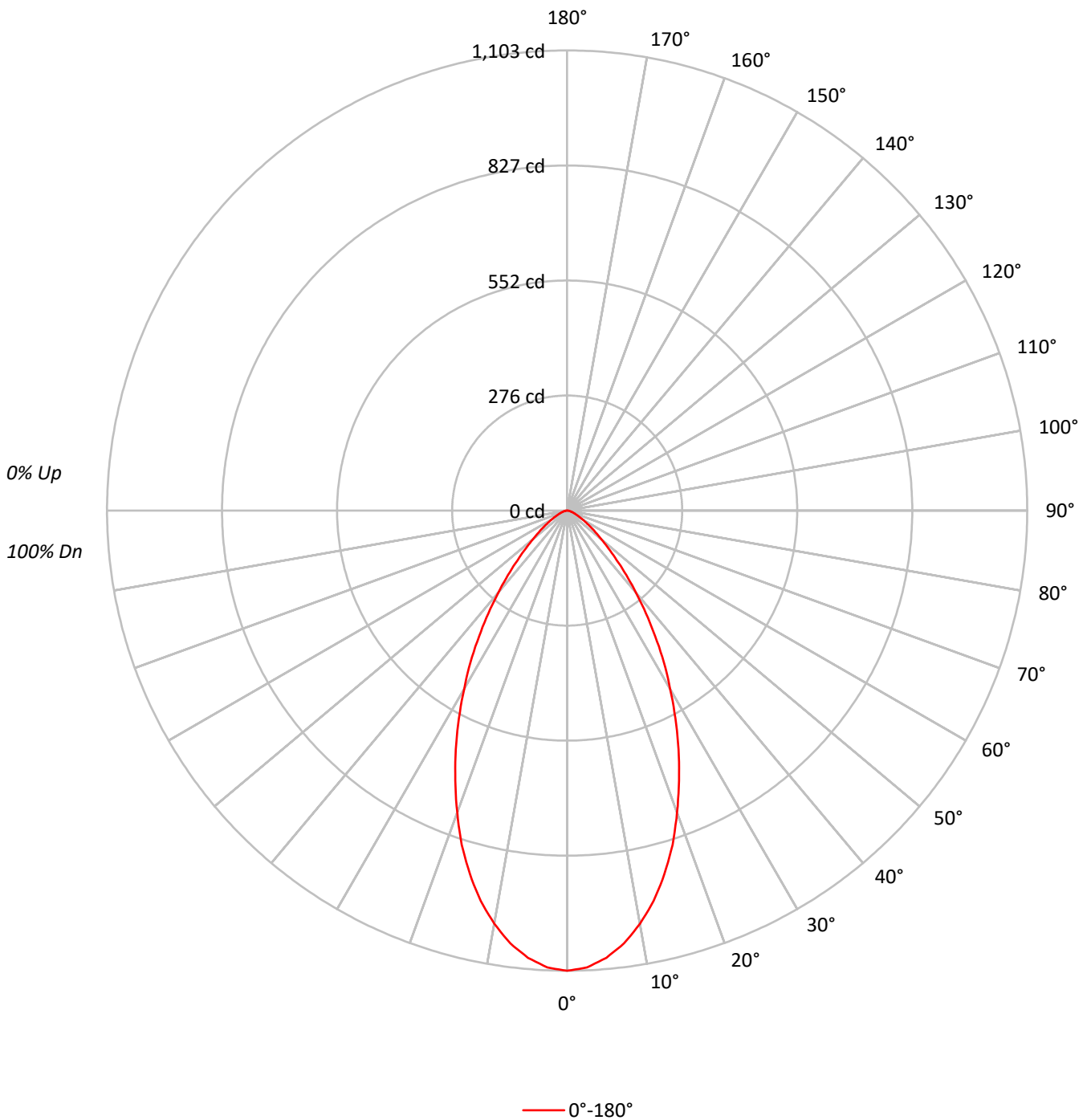
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78970
5°	77338
10°	73114
15°	66826
20°	58702
25°	49899
30°	40827
35°	32132
40°	23947
45°	16981
50°	11975
55°	8601
60°	6158
65°	4473
70°	3475
75°	2849
80°	2433
85°	2382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	9.1
10°-20°	250.8	22.6
20°-30°	288.5	26.0
30°-40°	230.2	20.8
40°-50°	132.7	12.0
50°-60°	63.2	5.7
60°-70°	27.4	2.5
70°-80°	11.2	1.0
80°-90°	3.3	0.3
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°	639.9	57.8
0°-40°	870.1	78.5
0°-60°	1066.1	96.2
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1103	
5°	1076	100
15°	902	251
25°	632	289
35°	368	230
45°	168	133
55°	69	63
65°	26	27
75°	10	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1102.9
2.5°	1096.0
5°	1076.0
7.5°	1046.2
10°	1005.6
12.5°	958.2
15°	901.5
17.5°	839.9
20°	770.4
22.5°	700.5
25°	631.6
27.5°	561.7
30°	493.8
32.5°	431.7
35°	367.6
37.5°	310.4
40°	256.2
42.5°	209.7
45°	167.7
47.5°	134.4
50°	107.5
52.5°	86.0
55°	68.9
57.5°	54.3
60°	43.0
62.5°	33.7
65°	26.4
67.5°	21.0
70°	16.6
72.5°	13.2
75°	10.3
77.5°	7.8
80°	5.9
82.5°	4.4
85°	2.9
87.5°	2.0
90°	0.0

(END OF REPORT)