

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: P366038

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1171.9 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

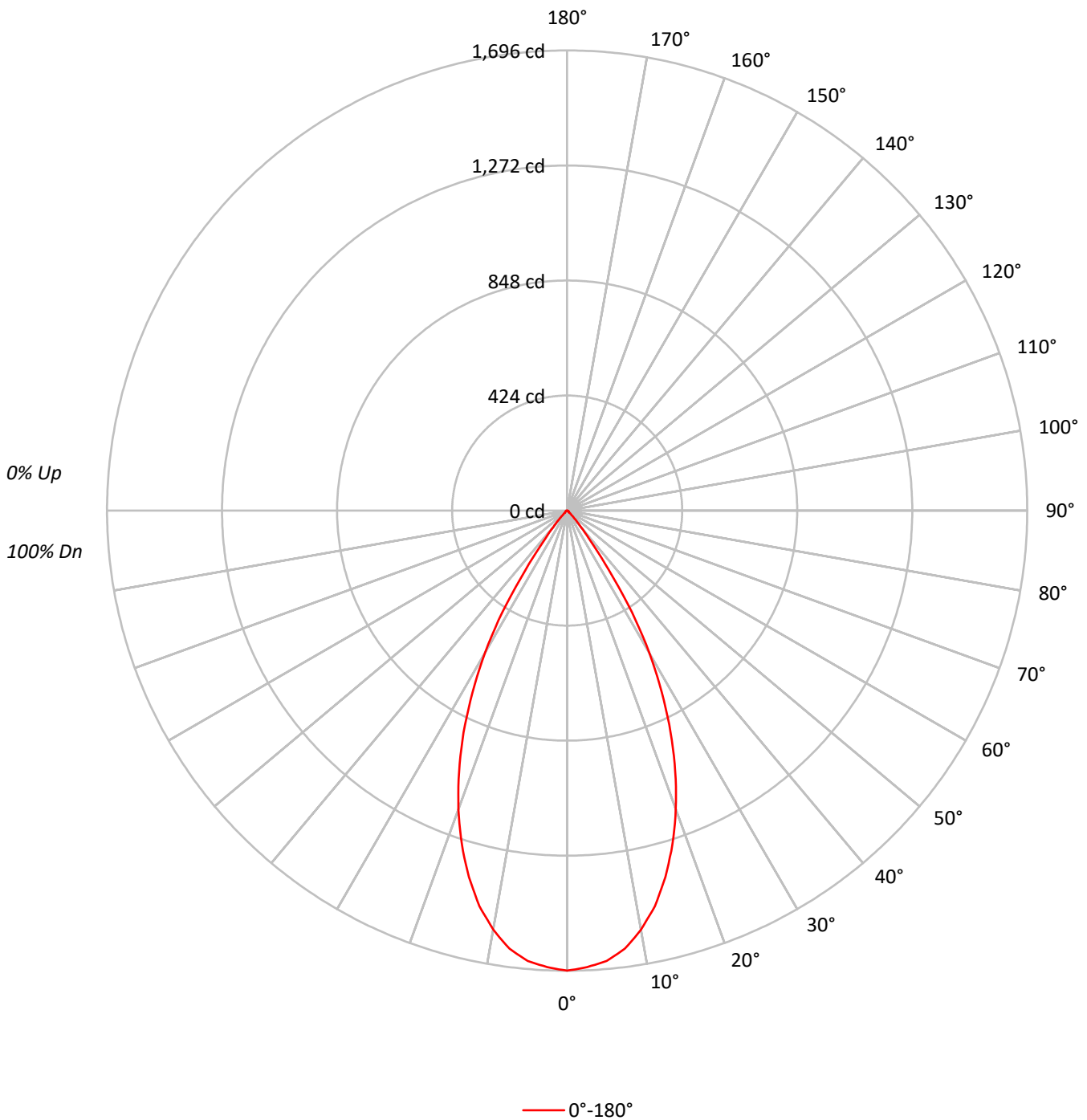
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121401
5°	119759
10°	113996
15°	103631
20°	89242
25°	71333
30°	50021
35°	23268
40°	7347
45°	2299
50°	1014
55°	949
60°	859
65°	762
70°	837
75°	968
80°	1237
85°	2054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	13.3
10°-20°	387.6	33.1
20°-30°	407.5	34.8
30°-40°	180.8	15.4
40°-50°	22.6	1.9
50°-60°	6.8	0.6
60°-70°	4.7	0.4
70°-80°	3.7	0.3
80°-90°	2.2	0.2
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°	951.1	81.2
0°-40°	1131.9	96.6
0°-60°	1161.4	99.1
0°-90°	1171.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1171.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1696	
5°	1666	156
15°	1398	388
25°	903	408
35°	266	181
45°	23	23
55°	8	7
65°	4	5
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1695.5
2.5°	1684.4
5°	1666.2
7.5°	1628.9
10°	1567.9
12.5°	1493.3
15°	1398.0
17.5°	1290.6
20°	1171.2
22.5°	1041.6
25°	902.9
27.5°	755.7
30°	605.0
32.5°	445.2
35°	266.2
37.5°	141.7
40°	78.6
42.5°	42.9
45°	22.7
47.5°	11.1
50°	9.1
52.5°	8.1
55°	7.6
57.5°	7.1
60°	6.0
62.5°	5.5
65°	4.5
67.5°	4.0
70°	4.0
72.5°	3.5
75°	3.5
77.5°	3.5
80°	3.0
82.5°	2.5
85°	2.5
87.5°	1.5
90°	0.0

(END OF REPORT)