

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: P366052

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1141.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

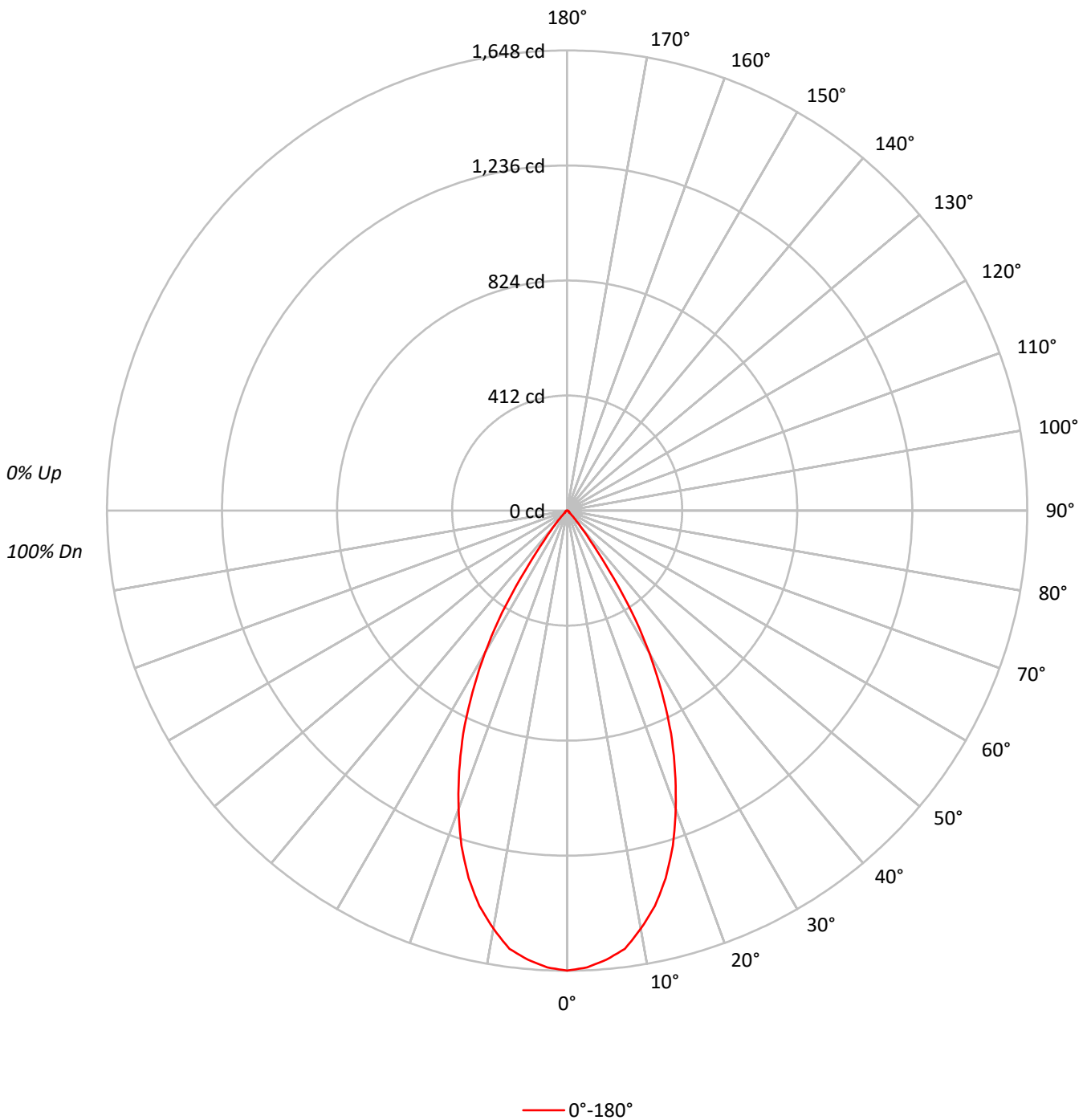
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	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	73	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	64	61	78	69	64	61	69	64	60	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°	117964
5°	116028
10°	110550
15°	101021
20°	86628
25°	69516
30°	48739
35°	22517
40°	7225
45°	2329
50°	1081
55°	961
60°	959
65°	864
70°	858
75°	996
80°	1278
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	13.3
10°-20°	377.1	33.1
20°-30°	396.1	34.7
30°-40°	175.8	15.4
40°-50°	22.7	2.0
50°-60°	7.1	0.6
60°-70°	5.0	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°	924.6	81.0
0°-40°	1100.3	96.4
0°-60°	1130.1	99.0
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1648	
5°	1614	151
15°	1363	377
25°	880	396
35°	258	176
45°	23	23
55°	8	7
65°	5	5
75°	4	4
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1647.5
2.5°	1637.3
5°	1614.3
7.5°	1583.0
10°	1520.5
12.5°	1450.4
15°	1362.8
17.5°	1257.8
20°	1136.9
22.5°	1009.9
25°	879.9
27.5°	733.9
30°	589.5
32.5°	433.3
35°	257.6
37.5°	137.3
40°	77.3
42.5°	42.5
45°	23.0
47.5°	11.8
50°	9.7
52.5°	8.7
55°	7.7
57.5°	7.2
60°	6.7
62.5°	5.6
65°	5.1
67.5°	4.1
70°	4.1
72.5°	3.6
75°	3.6
77.5°	3.1
80°	3.1
82.5°	2.6
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)