

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: P366039

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1140.9 lumens
Efficiency: N/A
Efficacy: 80.3 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

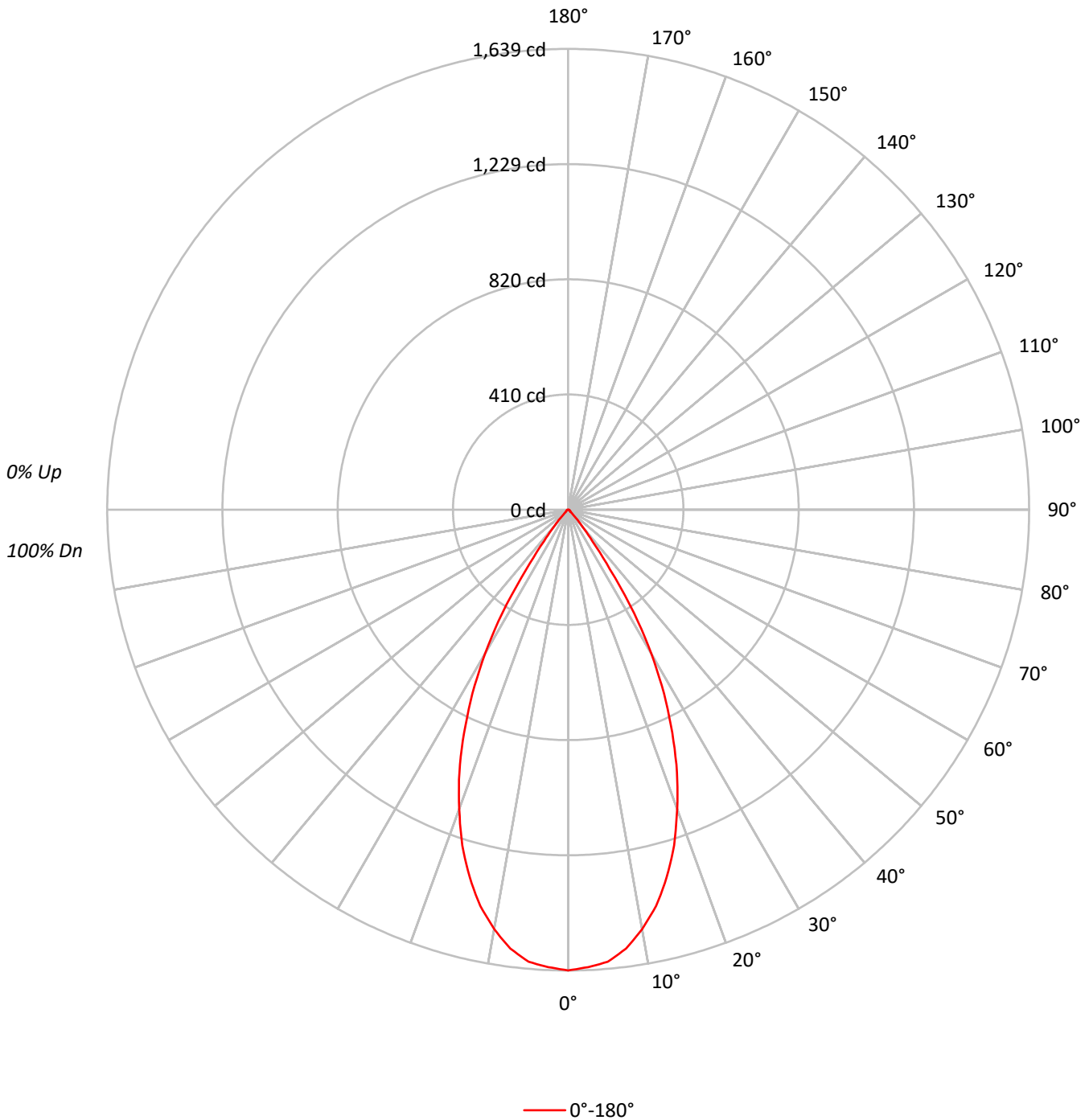
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117341
5°	116014
10°	110136
15°	100295
20°	86316
25°	69152
30°	48789
35°	22595
40°	7347
45°	2349
50°	1125
55°	1011
60°	945
65°	847
70°	837
75°	1107
80°	1237
85°	2054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	13.2
10°-20°	375.2	32.9
20°-30°	396.0	34.7
30°-40°	177.2	15.5
40°-50°	23.2	2.0
50°-60°	7.2	0.6
60°-70°	5.0	0.4
70°-80°	4.0	0.3
80°-90°	2.3	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°	922.1	80.8
0°-40°	1099.3	96.3
0°-60°	1129.6	99.0
0°-90°	1140.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1639	
5°	1614	151
15°	1353	375
25°	875	396
35°	258	177
45°	23	23
55°	8	7
65°	5	5
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1638.8
2.5°	1628.2
5°	1614.1
7.5°	1574.3
10°	1514.8
12.5°	1443.8
15°	1353.0
17.5°	1252.3
20°	1132.8
22.5°	1011.4
25°	875.3
27.5°	737.7
30°	590.1
32.5°	437.4
35°	258.5
37.5°	140.6
40°	78.6
42.5°	43.8
45°	23.2
47.5°	12.1
50°	10.1
52.5°	8.6
55°	8.1
57.5°	7.1
60°	6.6
62.5°	5.5
65°	5.0
67.5°	4.5
70°	4.0
72.5°	4.0
75°	4.0
77.5°	3.5
80°	3.0
82.5°	3.0
85°	2.5
87.5°	1.5
90°	0.0

(END OF REPORT)