

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: P365979

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365979
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-FEU6B12-8027-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1041.0 lumens
Efficiency: N/A
Efficacy: 73.3 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

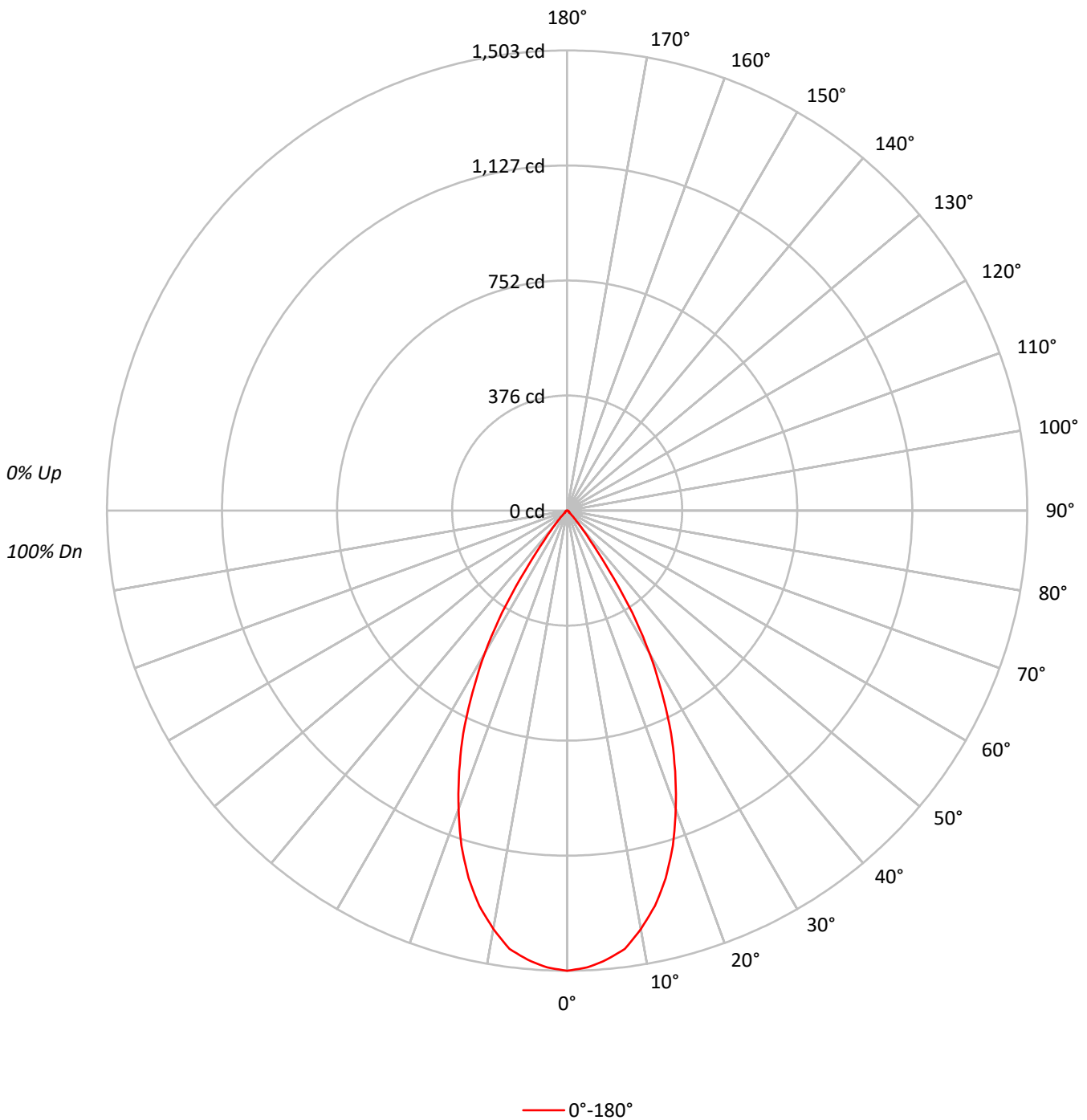
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	107625
5°	105858
10°	100866
15°	92170
20°	79039
25°	63416
30°	44465
35°	20541
40°	6599
45°	2126
50°	991
55°	874
60°	874
65°	796
70°	775
75°	913
80°	1155
85°	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	13.3
10°-20°	344.1	33.1
20°-30°	361.3	34.7
30°-40°	160.3	15.4
40°-50°	20.7	2.0
50°-60°	6.5	0.6
60°-70°	4.5	0.4
70°-80°	3.3	0.3
80°-90°	2.0	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°	843.5	81.0
0°-40°	1003.9	96.4
0°-60°	1031.0	99.0
0°-90°	1041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1503	
5°	1473	138
15°	1243	344
25°	803	361
35°	235	160
45°	21	21
55°	7	6
65°	5	5
75°	3	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1503.1
2.5°	1493.8
5°	1472.8
7.5°	1444.3
10°	1387.3
12.5°	1323.3
15°	1243.4
17.5°	1147.6
20°	1037.3
22.5°	921.4
25°	802.7
27.5°	669.6
30°	537.8
32.5°	395.3
35°	235.0
37.5°	125.2
40°	70.6
42.5°	38.8
45°	21.0
47.5°	10.7
50°	8.9
52.5°	7.9
55°	7.0
57.5°	6.5
60°	6.1
62.5°	5.1
65°	4.7
67.5°	3.7
70°	3.7
72.5°	3.3
75°	3.3
77.5°	2.8
80°	2.8
82.5°	2.3
85°	2.3
87.5°	1.4
90°	0.0

(END OF REPORT)