

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: P365297

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 852.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

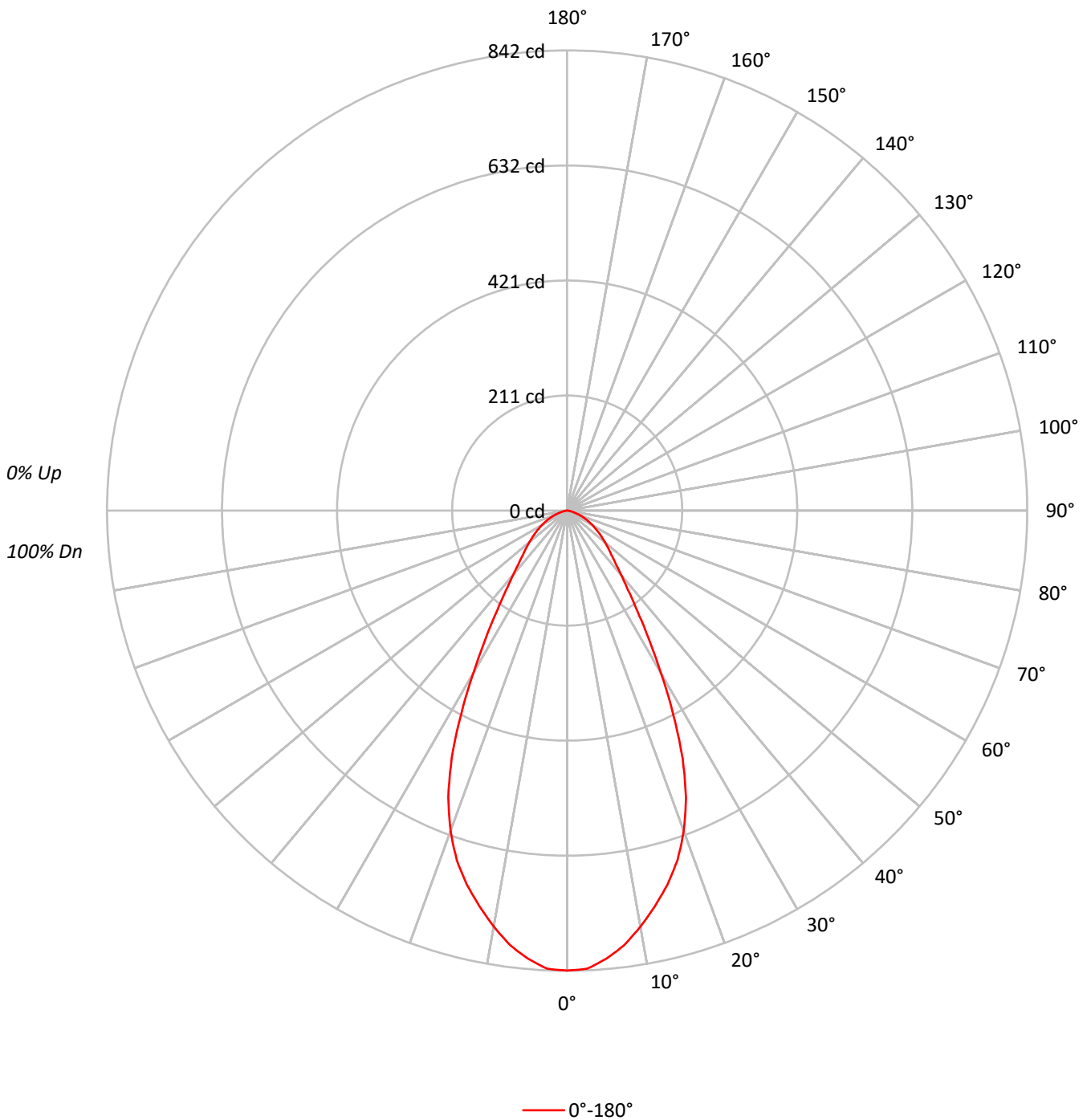
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60267
5°	59168
10°	56195
15°	52519
20°	47532
25°	39470
30°	28326
35°	19440
40°	14310
45°	11564
50°	10059
55°	8838
60°	7647
65°	6506
70°	5108
75°	3596
80°	2268
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	9.0
10°-20°	197.7	23.2
20°-30°	224.2	26.3
30°-40°	143.7	16.9
40°-50°	90.1	10.6
50°-60°	63.5	7.5
60°-70°	38.2	4.5
70°-80°	14.6	1.7
80°-90°	2.9	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°	499.0	58.6
0°-40°	642.7	75.4
0°-60°	796.3	93.5
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	842	
5°	823	77
15°	708	198
25°	500	224
35°	222	144
45°	114	90
55°	71	64
65°	38	38
75°	13	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	841.7
2.5°	839.2
5°	823.2
7.5°	801.8
10°	772.9
12.5°	741.5
15°	708.5
17.5°	671.1
20°	623.8
22.5°	568.4
25°	499.6
27.5°	420.3
30°	342.6
32.5°	276.7
35°	222.4
37.5°	183.0
40°	153.1
42.5°	131.1
45°	114.2
47.5°	101.7
50°	90.3
52.5°	80.3
55°	70.8
57.5°	61.8
60°	53.4
62.5°	45.9
65°	38.4
67.5°	31.4
70°	24.4
72.5°	18.4
75°	13.0
77.5°	9.0
80°	5.5
82.5°	3.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)