

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: P365330

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 833.0 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

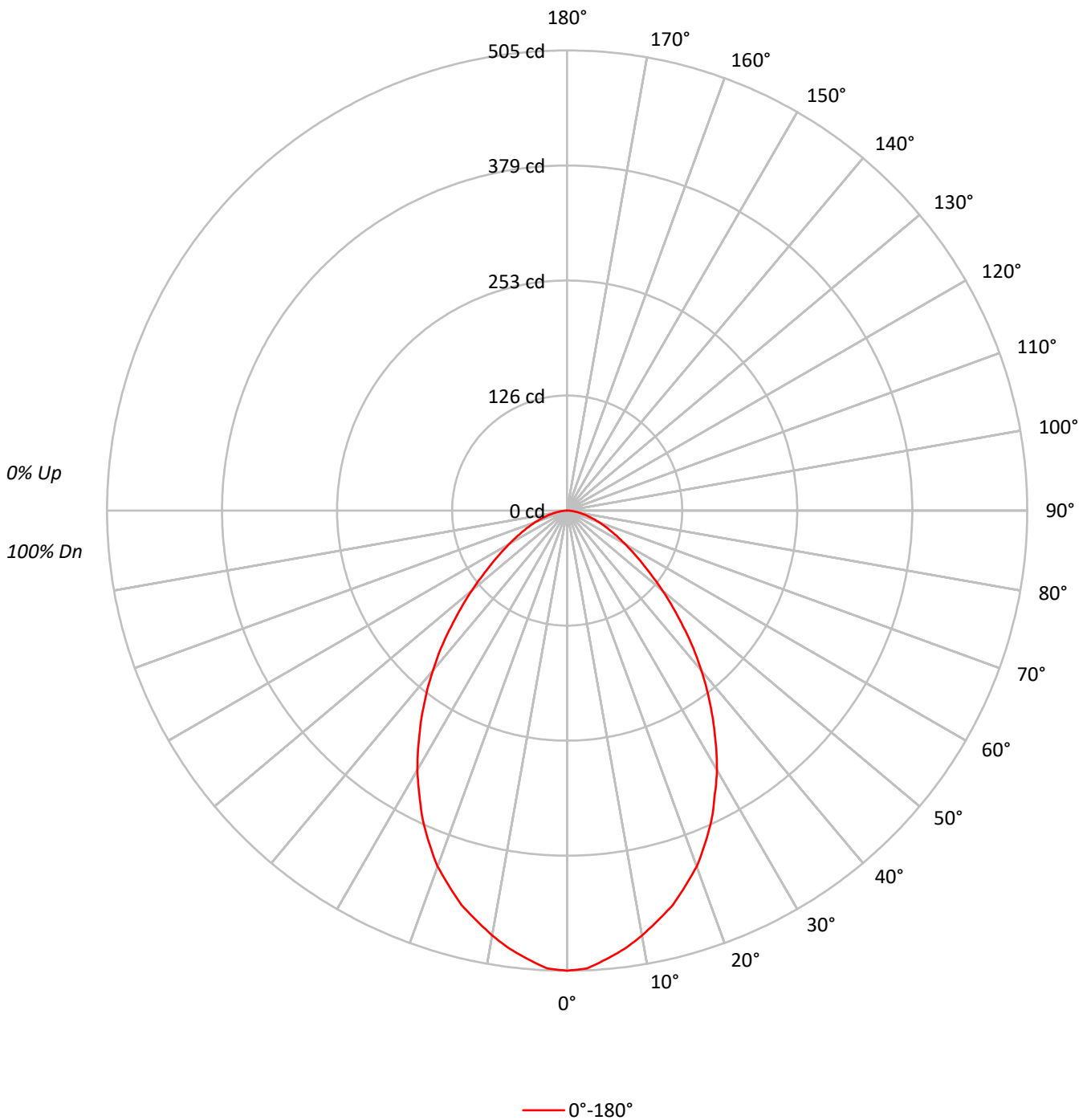
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36159
5°	35521
10°	34426
15°	33224
20°	31675
25°	29619
30°	27193
35°	24370
40°	21433
45°	18247
50°	15239
55°	12508
60°	10497
65°	8929
70°	7788
75°	6584
80°	5319
85°	4272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	5.6
10°-20°	125.7	15.1
20°-30°	171.7	20.6
30°-40°	174.0	20.9
40°-50°	139.5	16.7
50°-60°	90.9	10.9
60°-70°	53.1	6.4
70°-80°	25.5	3.1
80°-90°	6.1	0.7
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°	343.9	41.3
0°-40°	517.9	62.2
0°-60°	748.3	89.8
0°-90°	833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	505	
5°	494	47
15°	448	126
25°	375	172
35°	279	174
45°	180	140
55°	100	91
65°	53	53
75°	24	26
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	505.0
2.5°	502.9
5°	494.2
7.5°	484.9
10°	473.5
12.5°	460.6
15°	448.2
17.5°	431.7
20°	415.7
22.5°	395.5
25°	374.9
27.5°	351.1
30°	328.9
32.5°	303.6
35°	278.8
37.5°	254.1
40°	229.3
42.5°	205.0
45°	180.2
47.5°	157.5
50°	136.8
52.5°	116.7
55°	100.2
57.5°	85.7
60°	73.3
62.5°	62.5
65°	52.7
67.5°	44.4
70°	37.2
72.5°	29.9
75°	23.8
77.5°	18.1
80°	12.9
82.5°	8.8
85°	5.2
87.5°	2.1
90°	0.0

(END OF REPORT)