

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: P365312

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365312
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-FEU6B12-8040-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: 813.0 lumens
Efficiency: N/A
Efficacy: 57.3 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

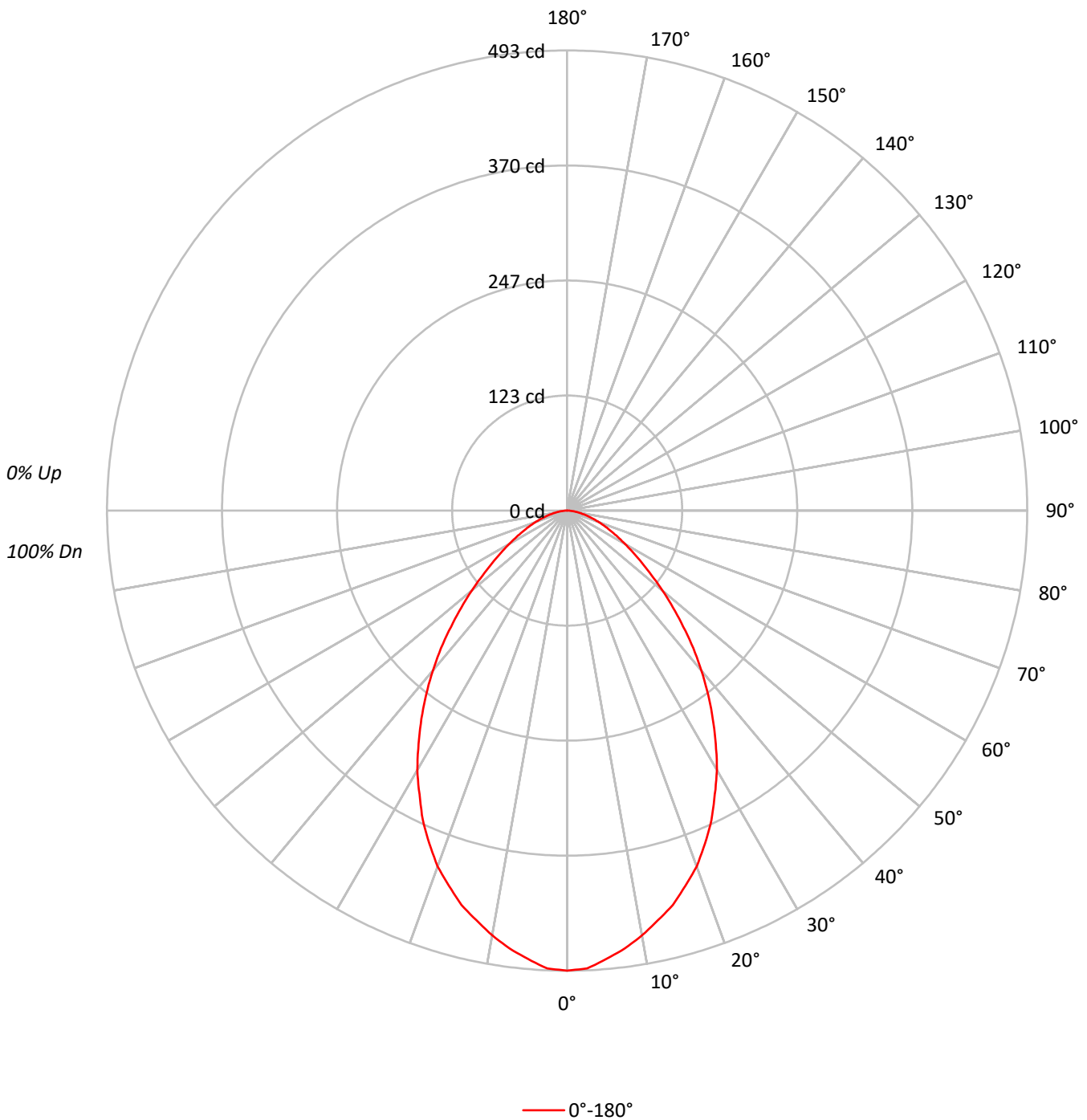
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35293
5°	34665
10°	33598
15°	32423
20°	30913
25°	28908
30°	26540
35°	23784
40°	20918
45°	17812
50°	14882
55°	12209
60°	10253
65°	8708
70°	7599
75°	6418
80°	5195
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	5.6
10°-20°	122.6	15.1
20°-30°	167.6	20.6
30°-40°	169.8	20.9
40°-50°	136.2	16.8
50°-60°	88.7	10.9
60°-70°	51.8	6.4
70°-80°	24.9	3.1
80°-90°	6.0	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°	335.6	41.3
0°-40°	505.4	62.2
0°-60°	730.4	89.8
0°-90°	813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	493	
5°	482	45
15°	437	123
25°	366	168
35°	272	170
45°	176	136
55°	98	89
65°	51	52
75°	23	25
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	492.9
2.5°	490.9
5°	482.3
7.5°	473.2
10°	462.1
12.5°	449.5
15°	437.4
17.5°	421.3
20°	405.7
22.5°	386.0
25°	365.9
27.5°	342.7
30°	321.0
32.5°	296.3
35°	272.1
37.5°	248.0
40°	223.8
42.5°	200.1
45°	175.9
47.5°	153.7
50°	133.6
52.5°	113.9
55°	97.8
57.5°	83.7
60°	71.6
62.5°	61.0
65°	51.4
67.5°	43.3
70°	36.3
72.5°	29.2
75°	23.2
77.5°	17.6
80°	12.6
82.5°	8.6
85°	5.0
87.5°	2.0
90°	0.0

(END OF REPORT)