

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: P364609

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

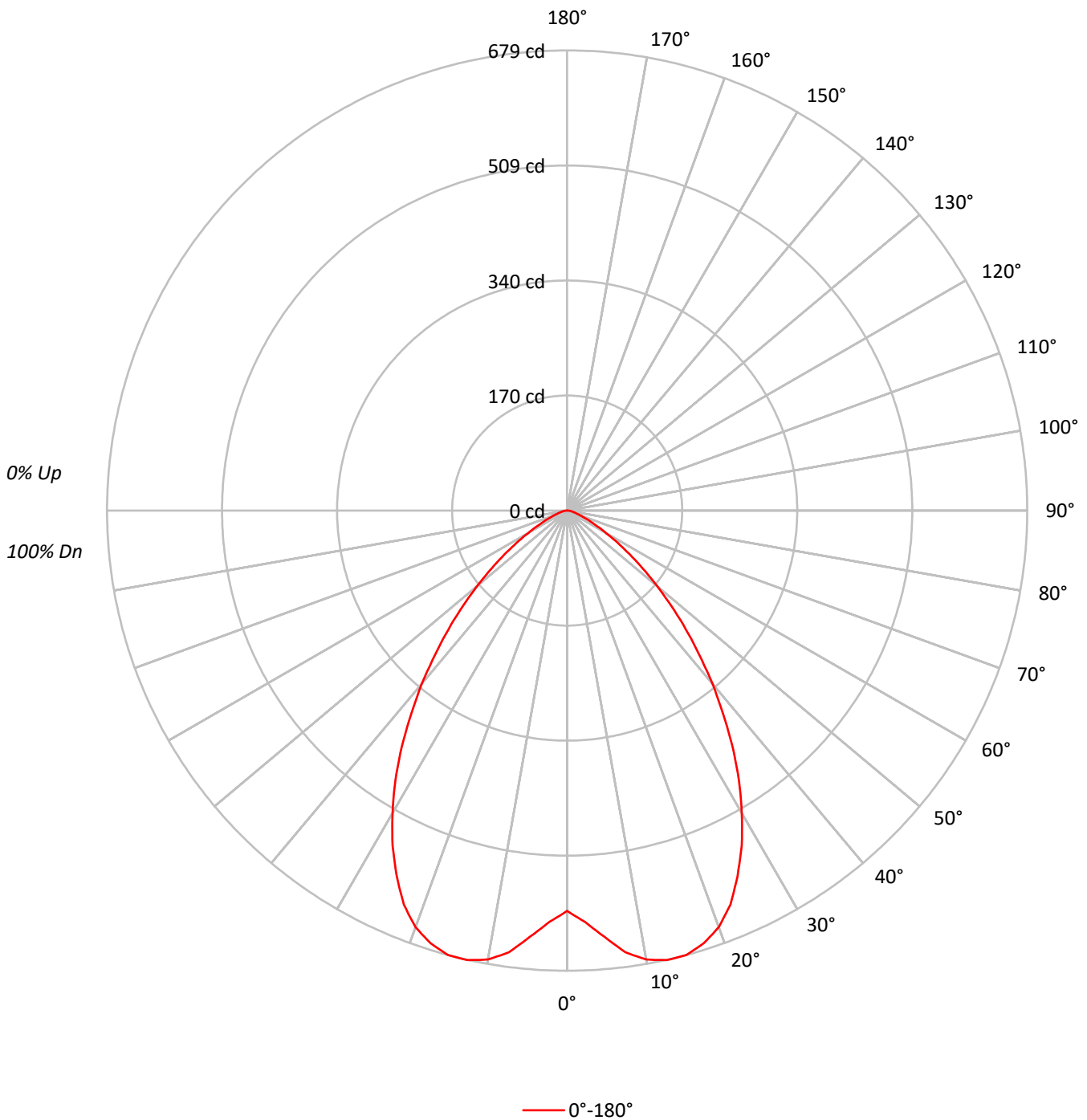
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42295
5°	45382
10°	48910
15°	50325
20°	49841
25°	46992
30°	42613
35°	37158
40°	31153
45°	25072
50°	19304
55°	14044
60°	9523
65°	6286
70°	4103
75°	3126
80°	2763
85°	3368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	5.4
10°-20°	190.5	16.7
20°-30°	272.0	23.9
30°-40°	264.6	23.2
40°-50°	191.4	16.8
50°-60°	102.6	9.0
60°-70°	38.7	3.4
70°-80°	12.7	1.1
80°-90°	4.0	0.4
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°	524.1	46.1
0°-40°	788.6	69.3
0°-60°	1082.6	95.1
0°-90°	1138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	631	62
15°	679	190
25°	595	272
35°	425	265
45°	248	191
55°	112	103
65°	37	39
75°	11	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	590.7
2.5°	607.7
5°	631.4
7.5°	657.2
10°	672.7
12.5°	679.4
15°	678.9
17.5°	669.6
20°	654.1
22.5°	629.4
25°	594.8
27.5°	557.7
30°	515.4
32.5°	472.0
35°	425.1
37.5°	377.6
40°	333.3
42.5°	287.9
45°	247.6
47.5°	208.4
50°	173.3
52.5°	140.8
55°	112.5
57.5°	88.2
60°	66.5
62.5°	50.0
65°	37.1
67.5°	26.8
70°	19.6
72.5°	15.0
75°	11.3
77.5°	8.8
80°	6.7
82.5°	5.2
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)