

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: P365324

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1122.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

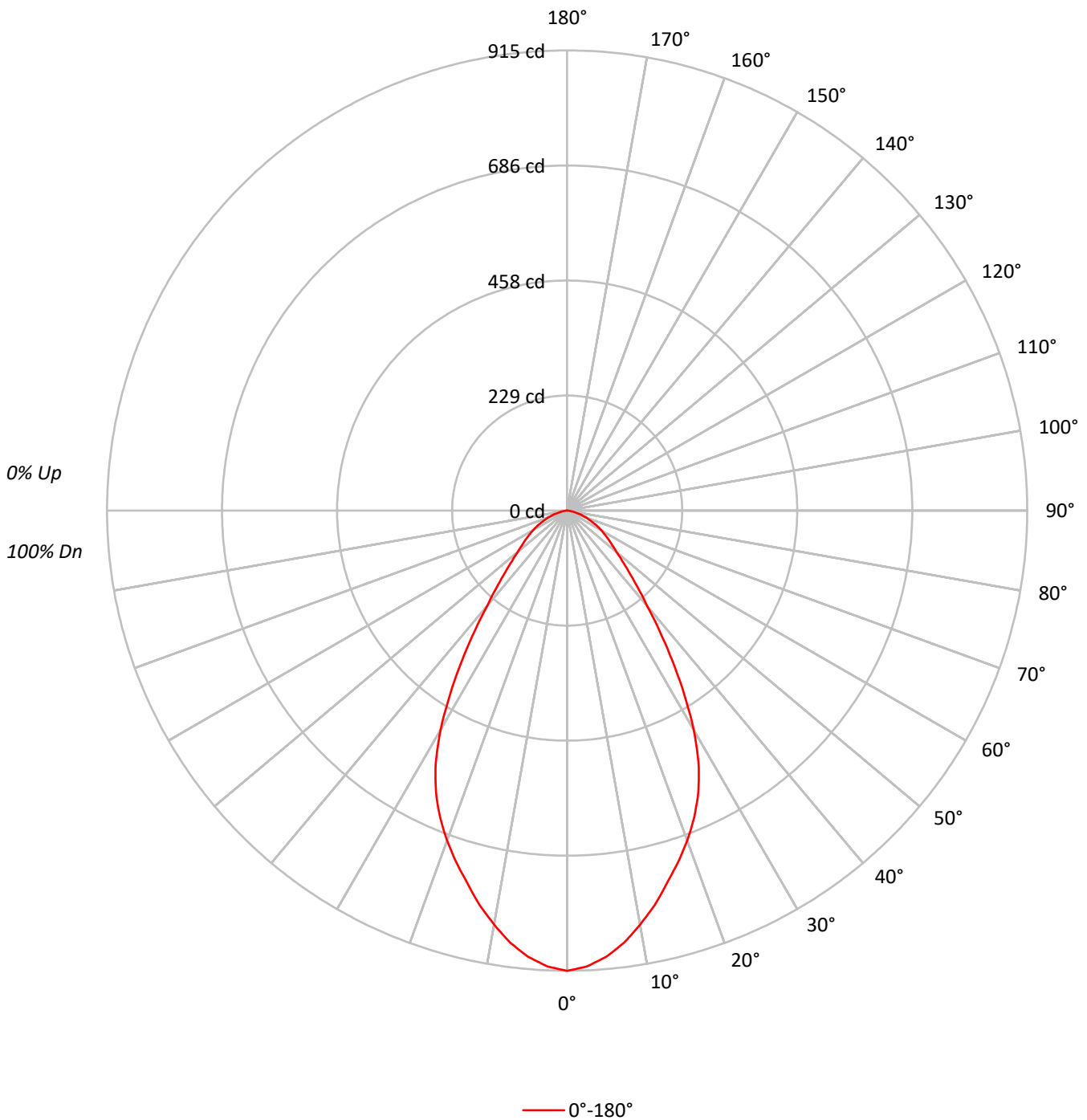
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25002
5°	24420
10°	23182
15°	21681
20°	20290
25°	18611
30°	15878
35°	12155
40°	8836
45°	6741
50°	5465
55°	4796
60°	4261
65°	3703
70°	3131
75°	2448
80°	1620
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	7.4
10°-20°	215.6	19.2
20°-30°	280.3	25.0
30°-40°	228.4	20.4
40°-50°	137.9	12.3
50°-60°	90.6	8.1
60°-70°	57.2	5.1
70°-80°	25.0	2.2
80°-90°	3.7	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°	579.2	51.6
0°-40°	807.6	72.0
0°-60°	1036.2	92.3
0°-90°	1122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1122.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	915	
5°	891	83
15°	767	216
25°	618	280
35°	364	228
45°	174	138
55°	101	91
65°	57	57
75°	23	25
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	915.3
2.5°	907.1
5°	890.6
7.5°	866.8
10°	835.8
12.5°	803.8
15°	766.7
17.5°	733.1
20°	698.0
22.5°	660.3
25°	617.5
27.5°	566.3
30°	503.4
32.5°	433.1
35°	364.5
37.5°	301.5
40°	247.8
42.5°	207.5
45°	174.5
47.5°	148.7
50°	128.6
52.5°	113.1
55°	100.7
57.5°	88.8
60°	78.0
62.5°	67.6
65°	57.3
67.5°	48.0
70°	39.2
72.5°	31.0
75°	23.2
77.5°	16.0
80°	10.3
82.5°	5.7
85°	2.1
87.5°	0.5
90°	0.0

(END OF REPORT)