

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: P365316

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

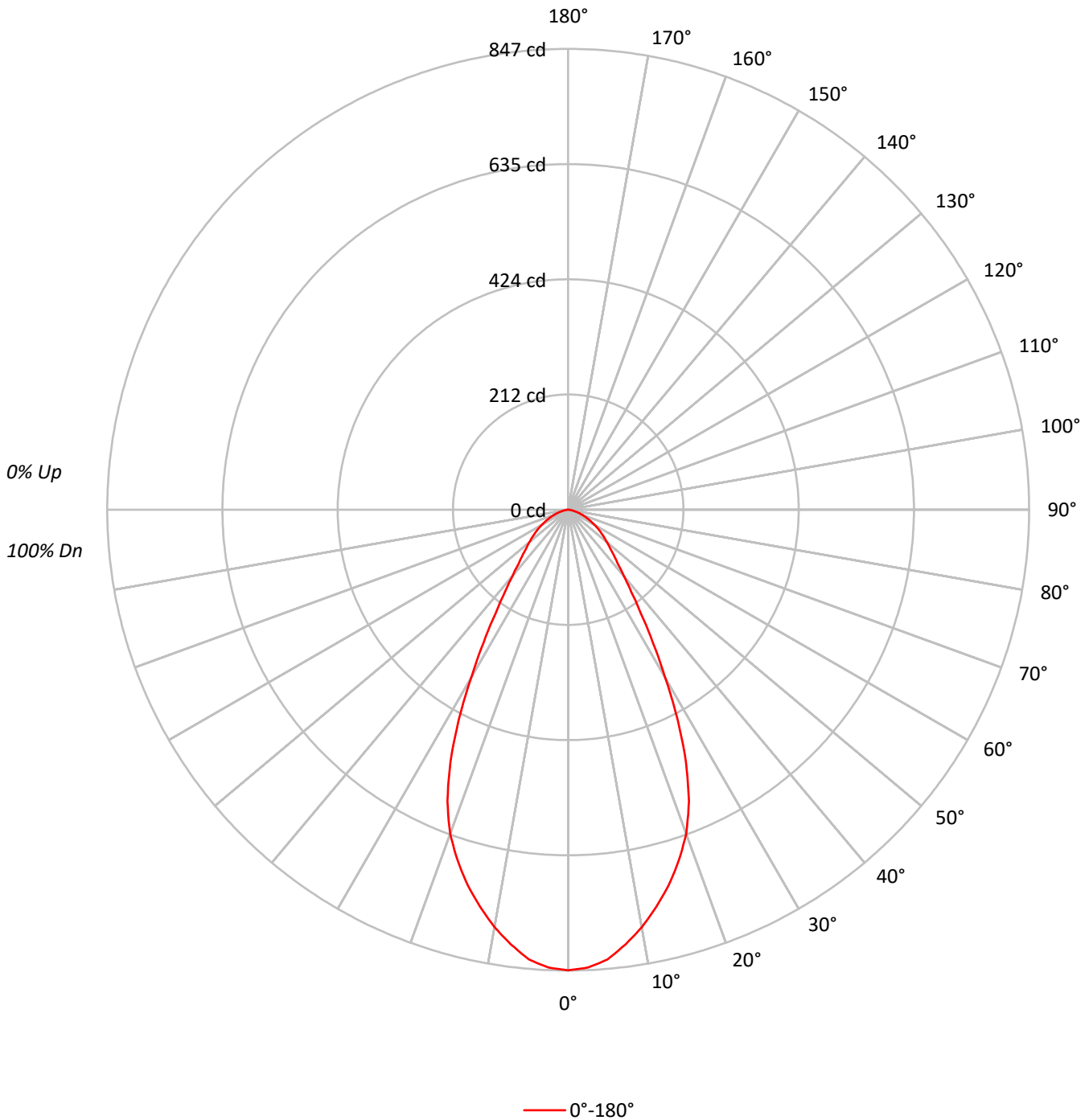
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60625
5°	59628
10°	56646
15°	52935
20°	48301
25°	40442
30°	29434
35°	20366
40°	14899
45°	11999
50°	10393
55°	9188
60°	8019
65°	6828
70°	5590
75°	4177
80°	2928
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	8.8
10°-20°	199.4	22.7
20°-30°	230.2	26.3
30°-40°	150.1	17.1
40°-50°	93.2	10.6
50°-60°	66.2	7.5
60°-70°	40.2	4.6
70°-80°	16.7	1.9
80°-90°	3.4	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°	507.1	57.8
0°-40°	657.3	74.9
0°-60°	816.7	93.1
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	847	
5°	830	77
15°	714	199
25°	512	230
35°	233	150
45°	118	93
55°	74	66
65°	40	40
75°	15	17
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	846.7
2.5°	842.2
5°	829.6
7.5°	805.9
10°	779.1
12.5°	747.4
15°	714.1
17.5°	675.8
20°	633.9
22.5°	579.9
25°	511.9
27.5°	435.7
30°	356.0
32.5°	289.5
35°	233.0
37.5°	191.1
40°	159.4
42.5°	135.7
45°	118.5
47.5°	104.4
50°	93.3
52.5°	83.2
55°	73.6
57.5°	65.1
60°	56.0
62.5°	47.9
65°	40.3
67.5°	33.3
70°	26.7
72.5°	20.7
75°	15.1
77.5°	10.6
80°	7.1
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)