

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: P365262

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365262
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-FEU6B12-8027-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: 814.0 lumens
Efficiency: N/A
Efficacy: 57.3 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

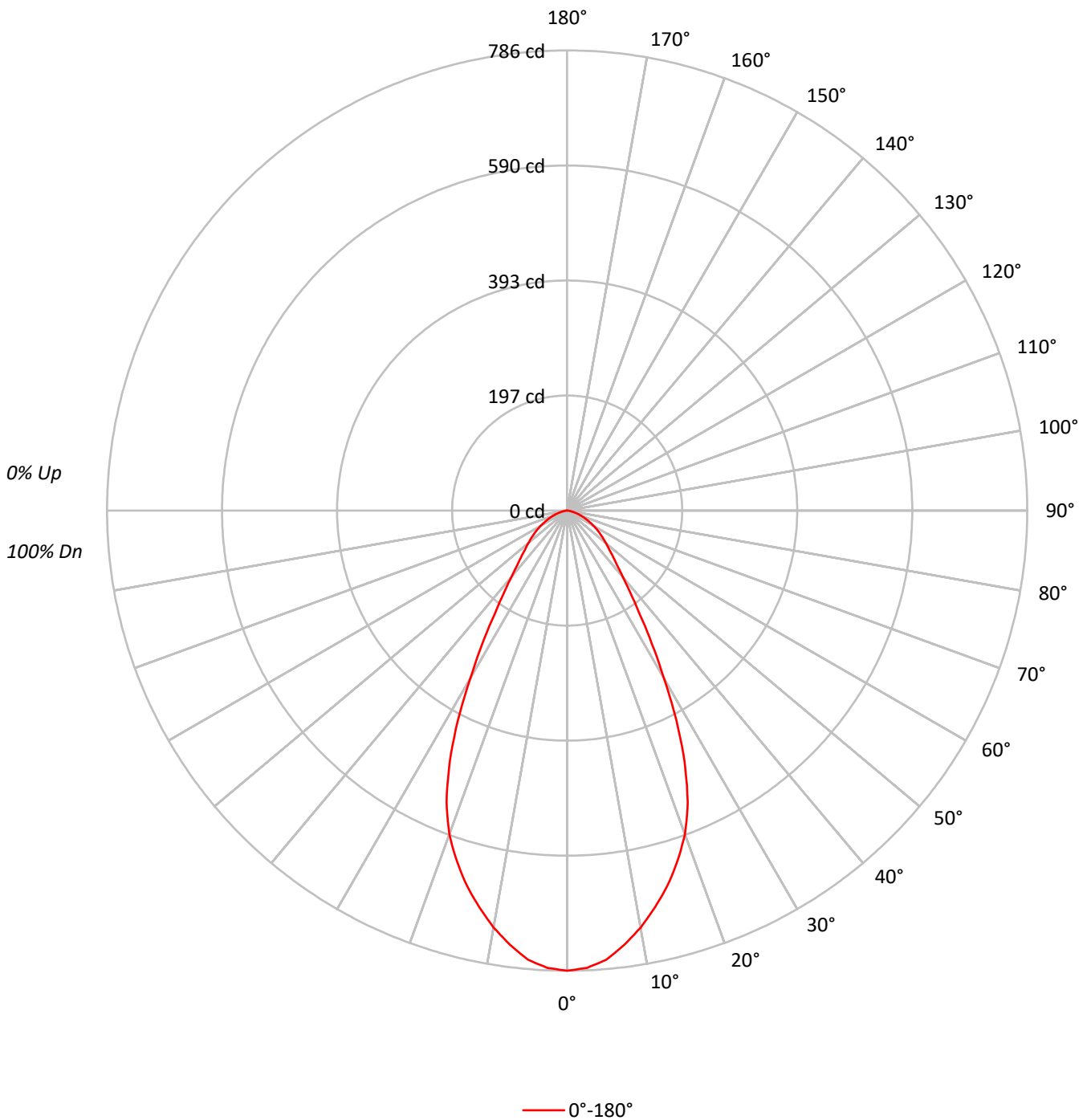
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56272
5°	55344
10°	52581
15°	49132
20°	44834
25°	37535
30°	27325
35°	18907
40°	13824
45°	11139
50°	9647
55°	8526
60°	7447
65°	6336
70°	5192
75°	3873
80°	2721
85°	2300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	8.8
10°-20°	185.1	22.7
20°-30°	213.7	26.3
30°-40°	139.4	17.1
40°-50°	86.5	10.6
50°-60°	61.4	7.5
60°-70°	37.3	4.6
70°-80°	15.5	1.9
80°-90°	3.2	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°	470.7	57.8
0°-40°	610.1	74.9
0°-60°	758.0	93.1
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	786	
5°	770	72
15°	663	185
25°	475	214
35°	216	139
45°	110	86
55°	68	61
65°	37	37
75°	14	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	785.9
2.5°	781.7
5°	770.0
7.5°	748.0
10°	723.2
12.5°	693.7
15°	662.8
17.5°	627.2
20°	588.4
22.5°	538.3
25°	475.1
27.5°	404.4
30°	330.5
32.5°	268.7
35°	216.3
37.5°	177.4
40°	147.9
42.5°	125.9
45°	110.0
47.5°	96.9
50°	86.6
52.5°	77.2
55°	68.3
57.5°	60.4
60°	52.0
62.5°	44.5
65°	37.4
67.5°	30.9
70°	24.8
72.5°	19.2
75°	14.0
77.5°	9.8
80°	6.6
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)