

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: P365278

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 60.7 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

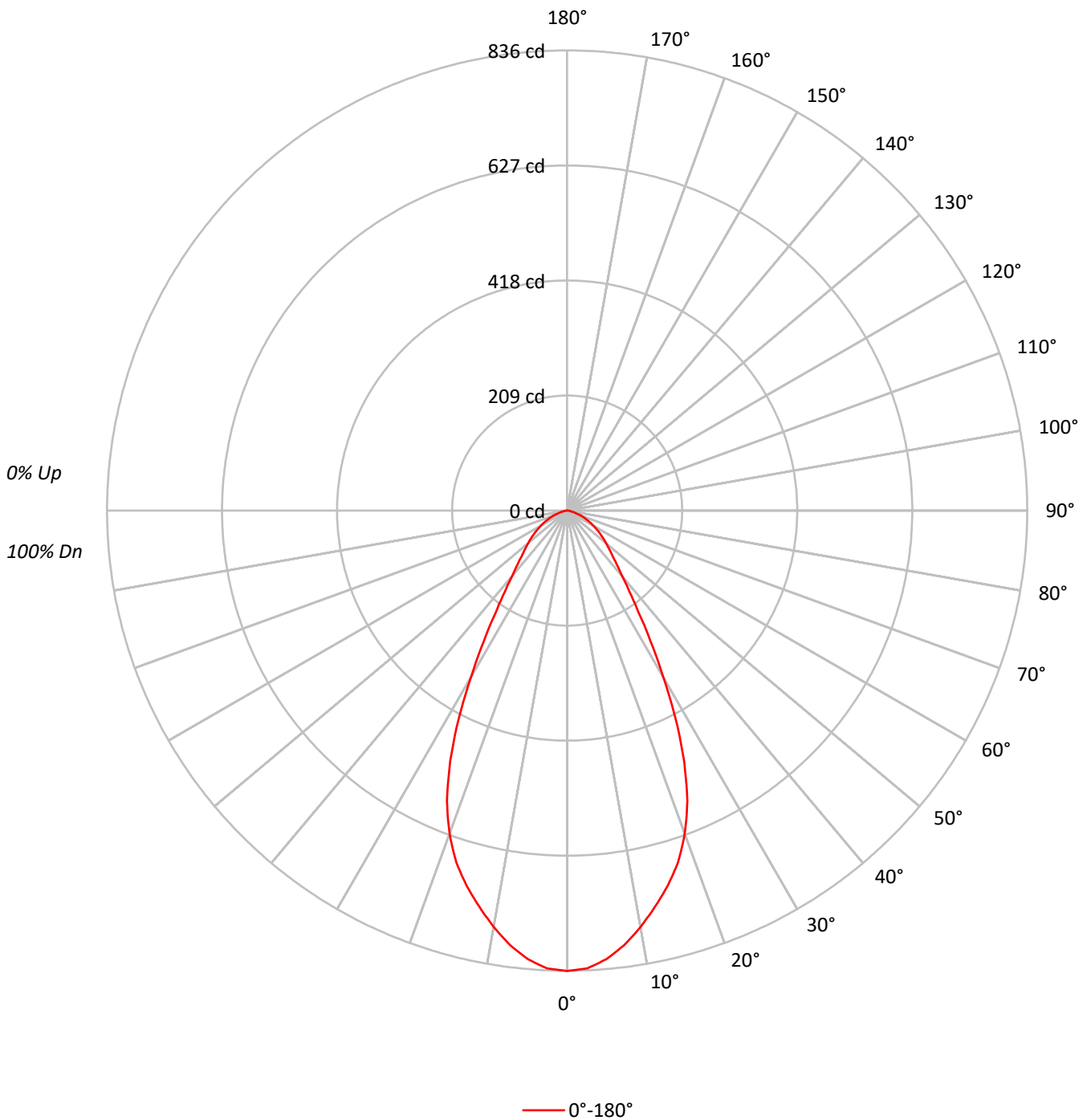
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	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	93	84	77	72	91	82	76	72	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	62
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		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59895
5°	58787
10°	55846
15°	52305
20°	47616
25°	39723
30°	28805
35°	19816
40°	14572
45°	11827
50°	10282
55°	9088
60°	7905
65°	6709
70°	5422
75°	3928
80°	2639
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	8.9
10°-20°	197.1	22.9
20°-30°	226.2	26.2
30°-40°	146.4	17.0
40°-50°	92.0	10.7
50°-60°	65.4	7.6
60°-70°	39.5	4.6
70°-80°	15.7	1.8
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°	499.7	58.0
0°-40°	646.1	74.9
0°-60°	803.5	93.2
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	836	
5°	818	76
15°	706	197
25°	503	226
35°	227	146
45°	117	92
55°	73	65
65°	40	39
75°	14	16
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	836.5
2.5°	832.6
5°	817.9
7.5°	796.0
10°	768.1
12.5°	737.3
15°	705.6
17.5°	669.9
20°	624.9
22.5°	570.7
25°	502.8
27.5°	427.1
30°	348.4
32.5°	281.9
35°	226.7
37.5°	186.2
40°	155.9
42.5°	133.9
45°	116.8
47.5°	103.6
50°	92.3
52.5°	82.6
55°	72.8
57.5°	64.0
60°	55.2
62.5°	47.4
65°	39.6
67.5°	32.2
70°	25.9
72.5°	19.5
75°	14.2
77.5°	9.8
80°	6.4
82.5°	3.9
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)