

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: P365301

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

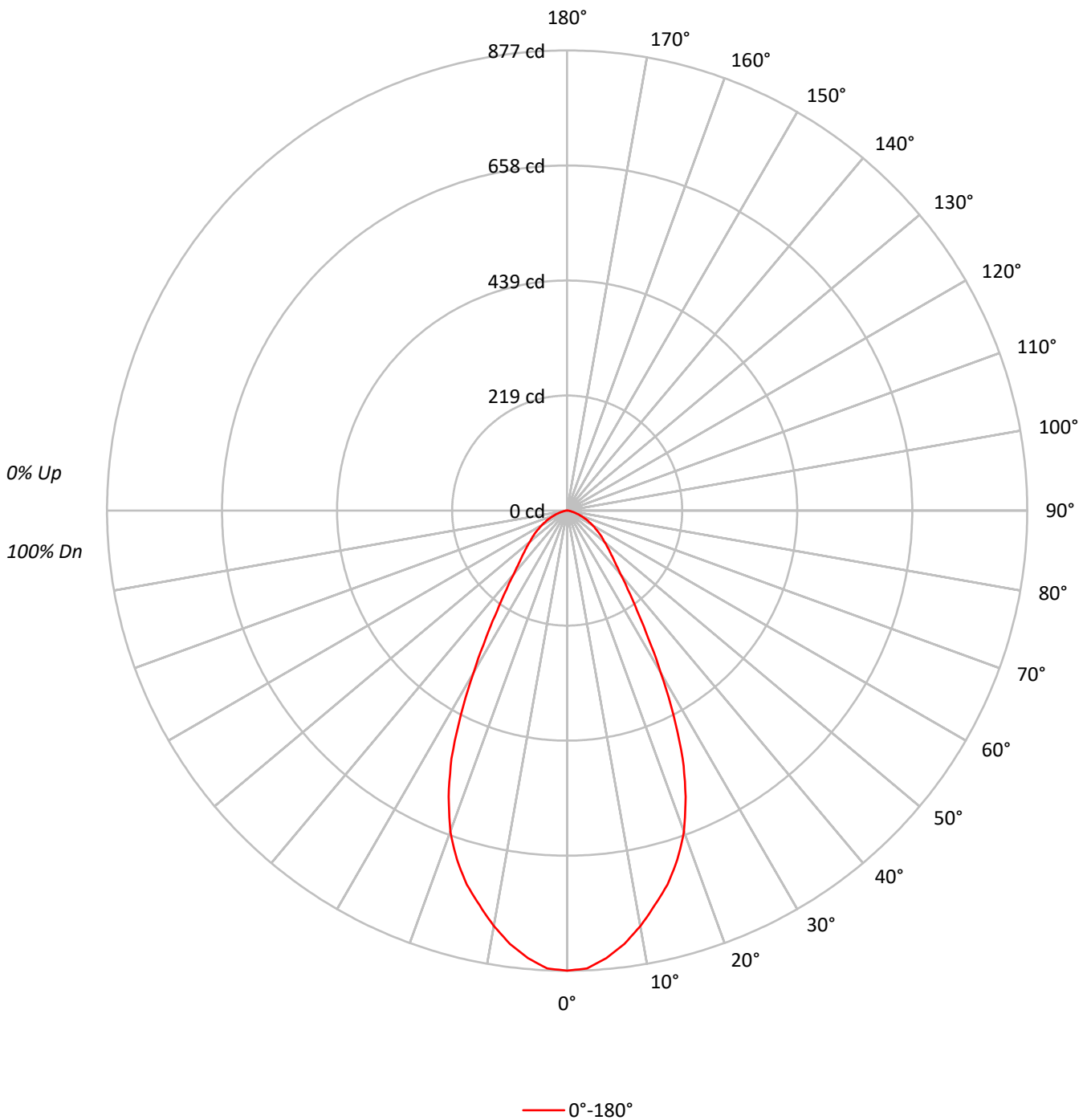
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62781
5°	61554
10°	58456
15°	54721
20°	49604
25°	41193
30°	29549
35°	20262
40°	14862
45°	12060
50°	10382
55°	9213
60°	7991
65°	6760
70°	5317
75°	3873
80°	2474
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	9.0
10°-20°	205.8	23.2
20°-30°	233.7	26.3
30°-40°	149.5	16.9
40°-50°	93.4	10.5
50°-60°	66.1	7.5
60°-70°	39.6	4.5
70°-80°	15.4	1.7
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°	519.5	58.6
0°-40°	669.0	75.4
0°-60°	828.6	93.4
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	877	
5°	856	80
15°	738	206
25°	521	234
35°	232	150
45°	119	93
55°	74	66
65°	40	40
75°	14	15
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	876.8
2.5°	873.3
5°	856.4
7.5°	833.0
10°	804.0
12.5°	770.6
15°	738.2
17.5°	697.9
20°	651.0
22.5°	590.2
25°	521.4
27.5°	438.2
30°	357.4
32.5°	287.1
35°	231.8
37.5°	190.4
40°	159.0
42.5°	135.6
45°	119.1
47.5°	105.2
50°	93.2
52.5°	83.7
55°	73.8
57.5°	64.3
60°	55.8
62.5°	47.4
65°	39.9
67.5°	32.4
70°	25.4
72.5°	19.4
75°	14.0
77.5°	9.5
80°	6.0
82.5°	4.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)