

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: P365318

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 944.0 lumens
Efficiency: N/A
Efficacy: 66.5 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

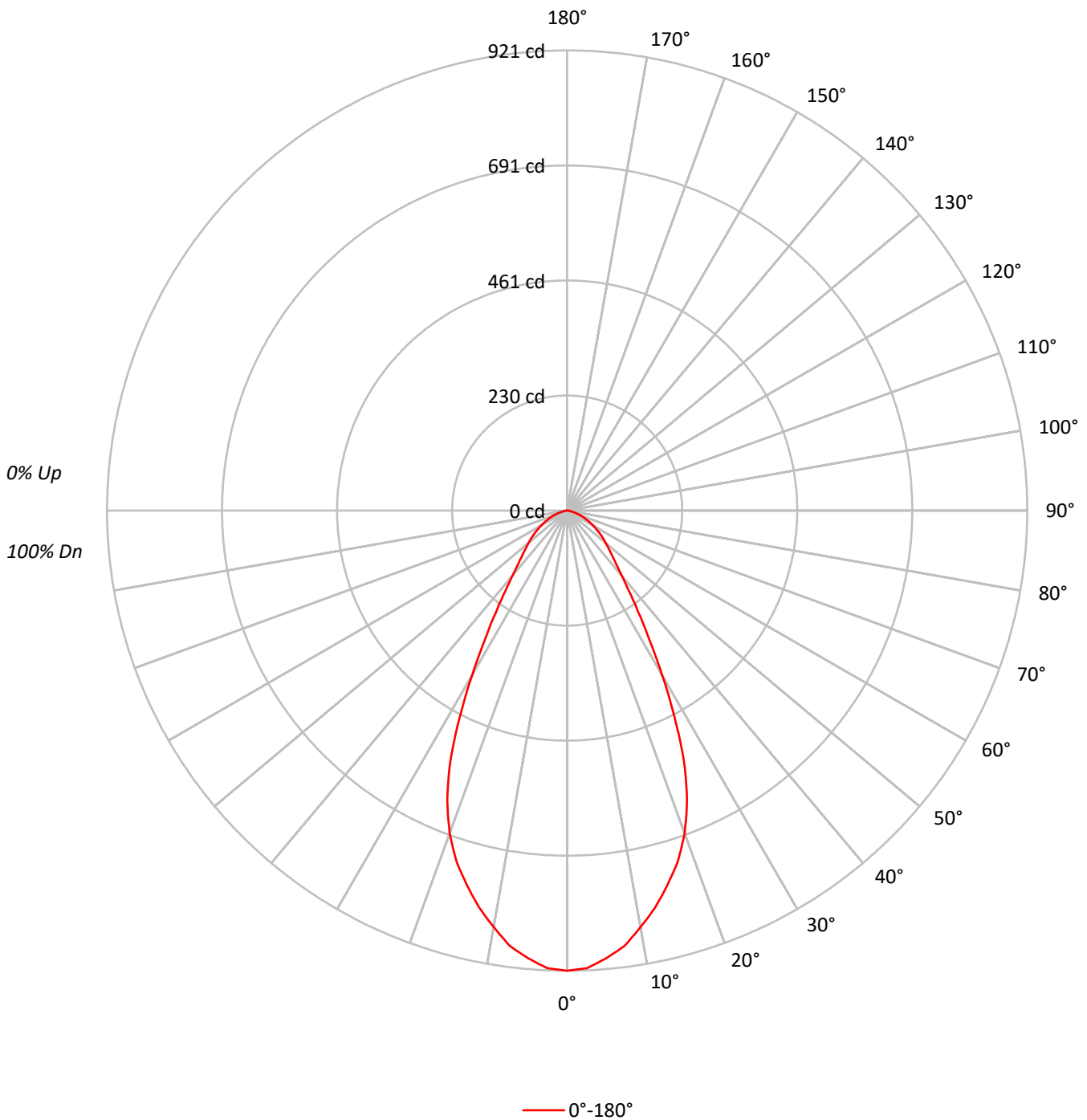
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	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	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	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	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65952
5°	64645
10°	61546
15°	57486
20°	52378
25°	43729
30°	31434
35°	21704
40°	15862
45°	12850
50°	11217
55°	9937
60°	8650
65°	7336
70°	5904
75°	4177
80°	2928
85°	3286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	8.9
10°-20°	216.9	23.0
20°-30°	247.9	26.3
30°-40°	159.5	16.9
40°-50°	99.9	10.6
50°-60°	71.4	7.6
60°-70°	43.3	4.6
70°-80°	17.0	1.8
80°-90°	3.8	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°	549.1	58.2
0°-40°	708.6	75.1
0°-60°	879.9	93.2
0°-90°	944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	921	
5°	899	84
15°	776	217
25°	554	248
35°	248	159
45°	127	100
55°	80	71
65°	43	43
75°	15	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	921.1
2.5°	916.5
5°	899.4
7.5°	878.8
10°	846.5
12.5°	813.8
15°	775.5
17.5°	736.3
20°	687.4
22.5°	627.0
25°	553.5
27.5°	464.8
30°	380.2
32.5°	305.7
35°	248.3
37.5°	202.9
40°	169.7
42.5°	145.0
45°	126.9
47.5°	112.8
50°	100.7
52.5°	90.1
55°	79.6
57.5°	69.5
60°	60.4
62.5°	51.9
65°	43.3
67.5°	35.8
70°	28.2
72.5°	21.2
75°	15.1
77.5°	10.6
80°	7.1
82.5°	4.5
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)