

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: P365174

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365174
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: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 64.4 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

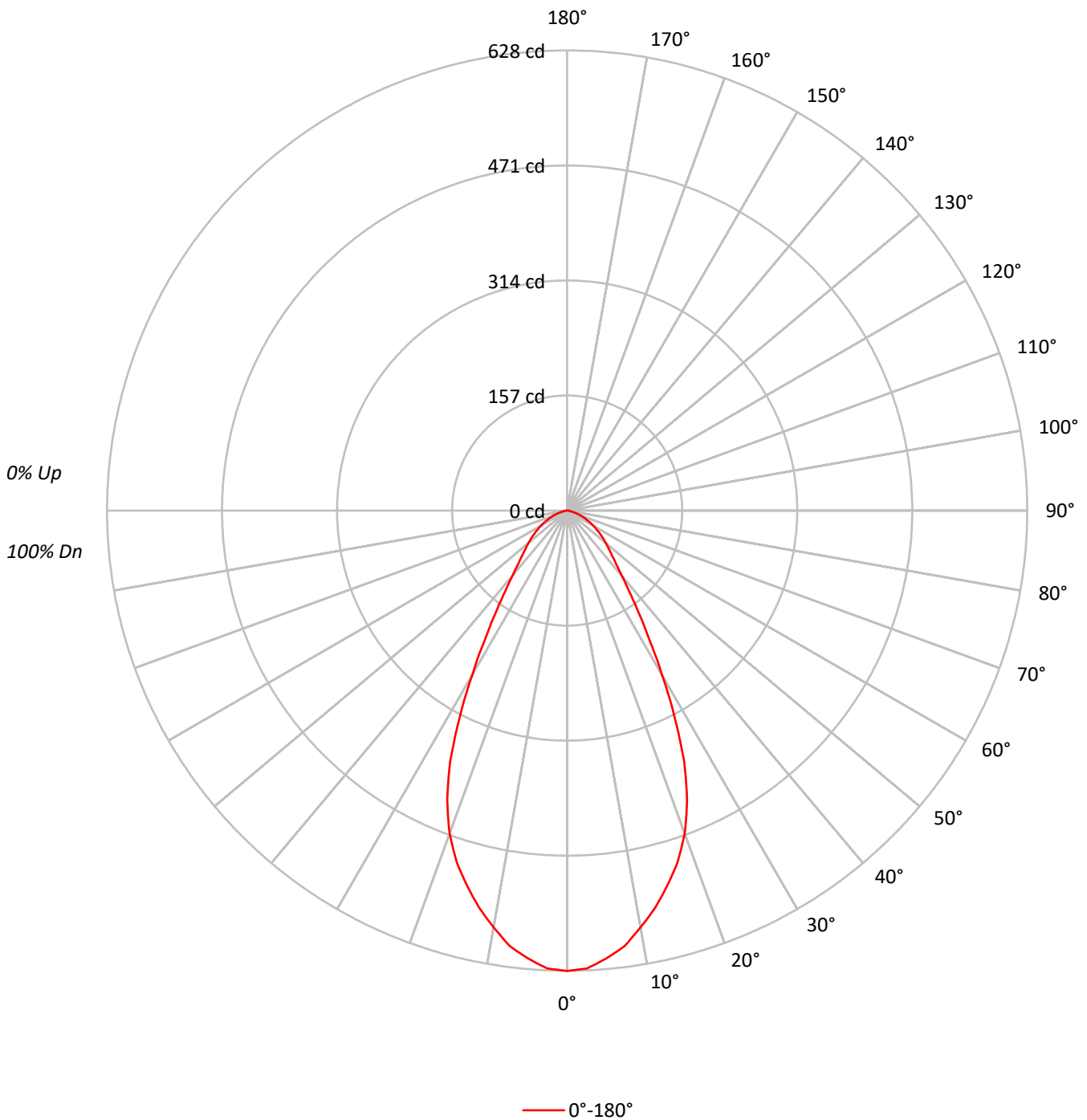
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65		73	68	64		71	67	63	62
6	82	72	65	60	81	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°	44995
5°	44103
10°	41988
15°	39221
20°	35736
25°	29832
30°	21447
35°	14807
40°	10824
45°	8769
50°	7653
55°	6778
60°	5900
65°	4998
70°	4020
75°	2849
80°	1979
85°	2218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	8.9
10°-20°	148.0	23.0
20°-30°	169.1	26.3
30°-40°	108.8	16.9
40°-50°	68.2	10.6
50°-60°	48.7	7.6
60°-70°	29.5	4.6
70°-80°	11.6	1.8
80°-90°	2.6	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°	374.6	58.2
0°-40°	483.4	75.1
0°-60°	600.3	93.2
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	628	
5°	614	57
15°	529	148
25°	378	169
35°	169	109
45°	87	68
55°	54	49
65°	30	30
75°	10	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	628.4
2.5°	625.3
5°	613.6
7.5°	599.5
10°	577.5
12.5°	555.2
15°	529.1
17.5°	502.3
20°	469.0
22.5°	427.7
25°	377.6
27.5°	317.1
30°	259.4
32.5°	208.5
35°	169.4
37.5°	138.5
40°	115.8
42.5°	98.9
45°	86.6
47.5°	77.0
50°	68.7
52.5°	61.5
55°	54.3
57.5°	47.4
60°	41.2
62.5°	35.4
65°	29.5
67.5°	24.4
70°	19.2
72.5°	14.4
75°	10.3
77.5°	7.2
80°	4.8
82.5°	3.1
85°	2.7
87.5°	1.4
90°	0.0

(END OF REPORT)