

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: P365166

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

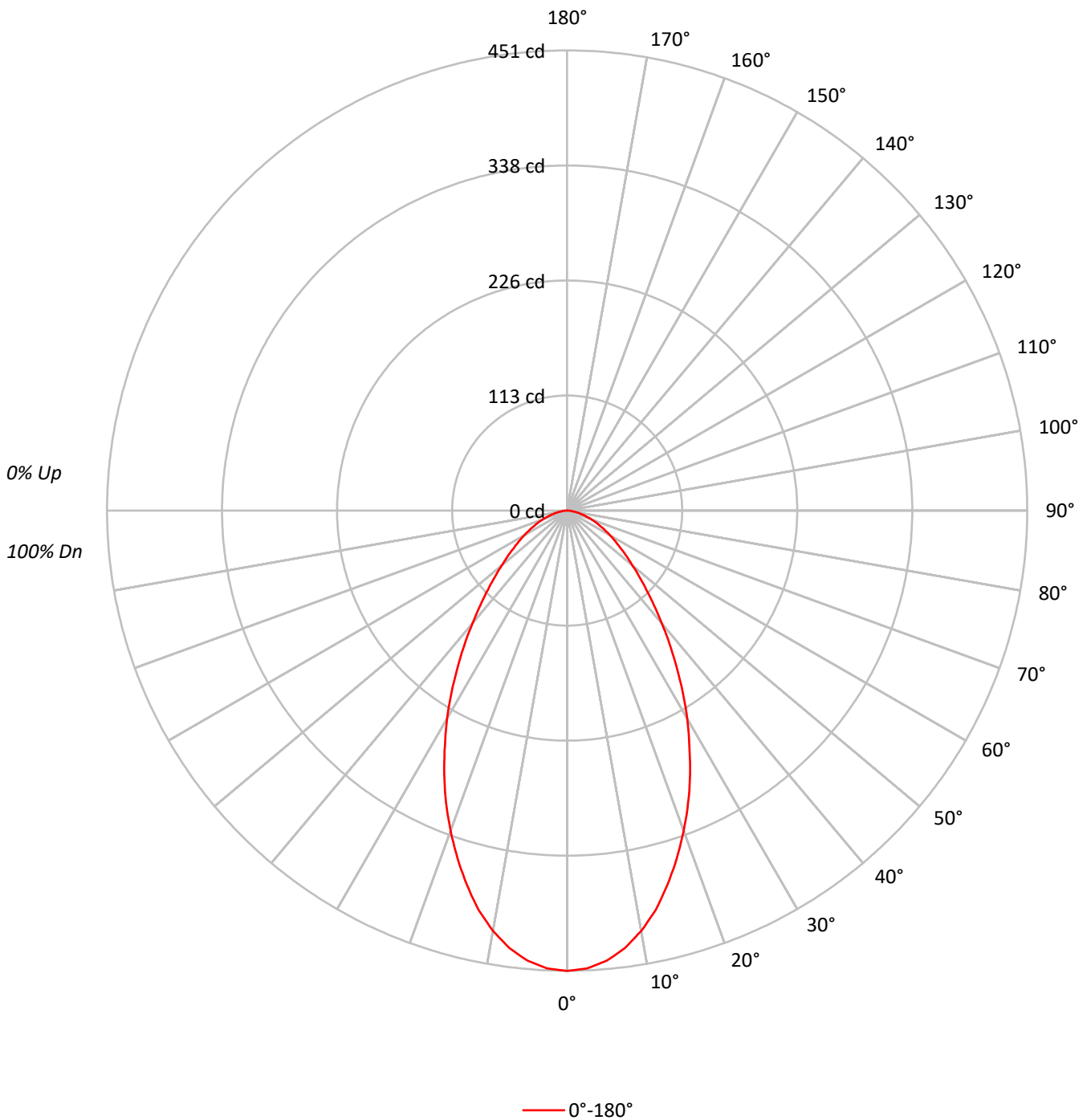
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	100	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32307
5°	31834
10°	30406
15°	28146
20°	25450
25°	22532
30°	19463
35°	16311
40°	13488
45°	11139
50°	9301
55°	7977
60°	6945
65°	6116
70°	5317
75°	4482
80°	3670
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	7.0
10°-20°	106.1	17.8
20°-30°	130.5	21.9
30°-40°	117.0	19.6
40°-50°	85.6	14.4
50°-60°	57.9	9.7
60°-70°	36.0	6.0
70°-80°	17.4	2.9
80°-90°	4.1	0.7
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°	278.0	46.7
0°-40°	395.0	66.3
0°-60°	538.5	90.4
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	451	
5°	443	41
15°	380	106
25°	285	130
35°	187	117
45°	110	86
55°	64	58
65°	36	36
75°	16	17
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	451.2
2.5°	449.1
5°	442.9
7.5°	432.6
10°	418.2
12.5°	401.0
15°	379.7
17.5°	357.4
20°	334.0
22.5°	309.9
25°	285.2
27.5°	259.4
30°	235.4
32.5°	210.6
35°	186.6
37.5°	164.9
40°	144.3
42.5°	125.8
45°	110.0
47.5°	95.9
50°	83.5
52.5°	73.5
55°	63.9
57.5°	56.0
60°	48.5
62.5°	41.9
65°	36.1
67.5°	30.6
70°	25.4
72.5°	20.6
75°	16.2
77.5°	12.0
80°	8.9
82.5°	5.8
85°	3.4
87.5°	1.4
90°	0.0

(END OF REPORT)