

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: P365904

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 814.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

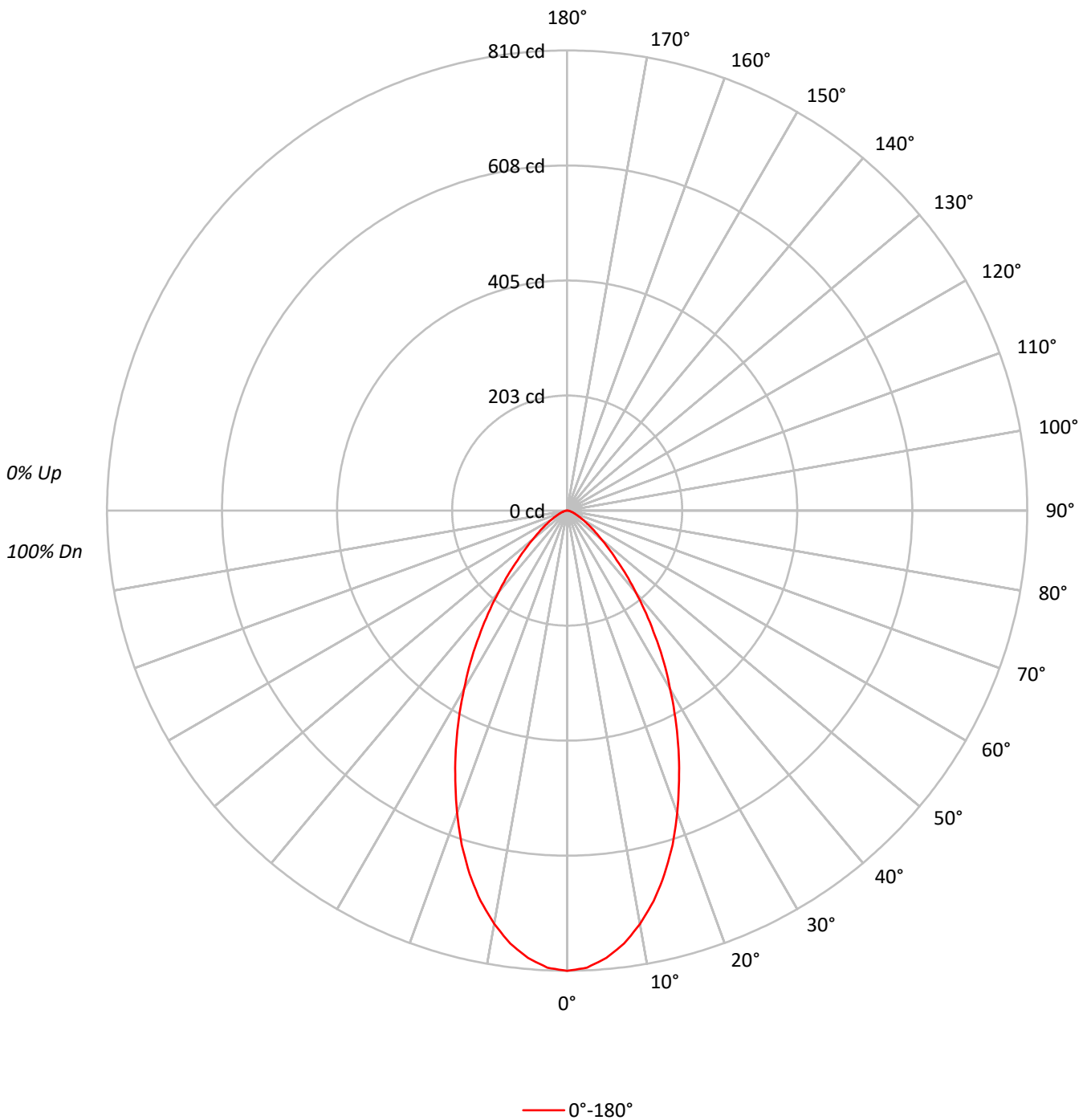
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58012
5°	56817
10°	53716
15°	49095
20°	43128
25°	36658
30°	29988
35°	23609
40°	17591
45°	12475
50°	8800
55°	6317
60°	4525
65°	3287
70°	2554
75°	2075
80°	1773
85°	1807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	9.1
10°-20°	184.3	22.6
20°-30°	212.0	26.0
30°-40°	169.1	20.8
40°-50°	97.5	12.0
50°-60°	46.5	5.7
60°-70°	20.1	2.5
70°-80°	8.2	1.0
80°-90°	2.4	0.3
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°	470.1	57.8
0°-40°	639.2	78.5
0°-60°	783.2	96.2
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	810	
5°	790	74
15°	662	184
25°	464	212
35°	270	169
45°	123	98
55°	51	46
65°	19	20
75°	8	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	810.2
2.5°	805.2
5°	790.5
7.5°	768.6
10°	738.8
12.5°	703.9
15°	662.3
17.5°	617.0
20°	566.0
22.5°	514.7
25°	464.0
27.5°	412.7
30°	362.7
32.5°	317.1
35°	270.1
37.5°	228.1
40°	188.2
42.5°	154.1
45°	123.2
47.5°	98.8
50°	79.0
52.5°	63.2
55°	50.6
57.5°	39.9
60°	31.6
62.5°	24.8
65°	19.4
67.5°	15.4
70°	12.2
72.5°	9.7
75°	7.5
77.5°	5.7
80°	4.3
82.5°	3.2
85°	2.2
87.5°	1.4
90°	0.0

(END OF REPORT)