

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: P365226

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 645.0 lumens
Efficiency: N/A
Efficacy: 64.5 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

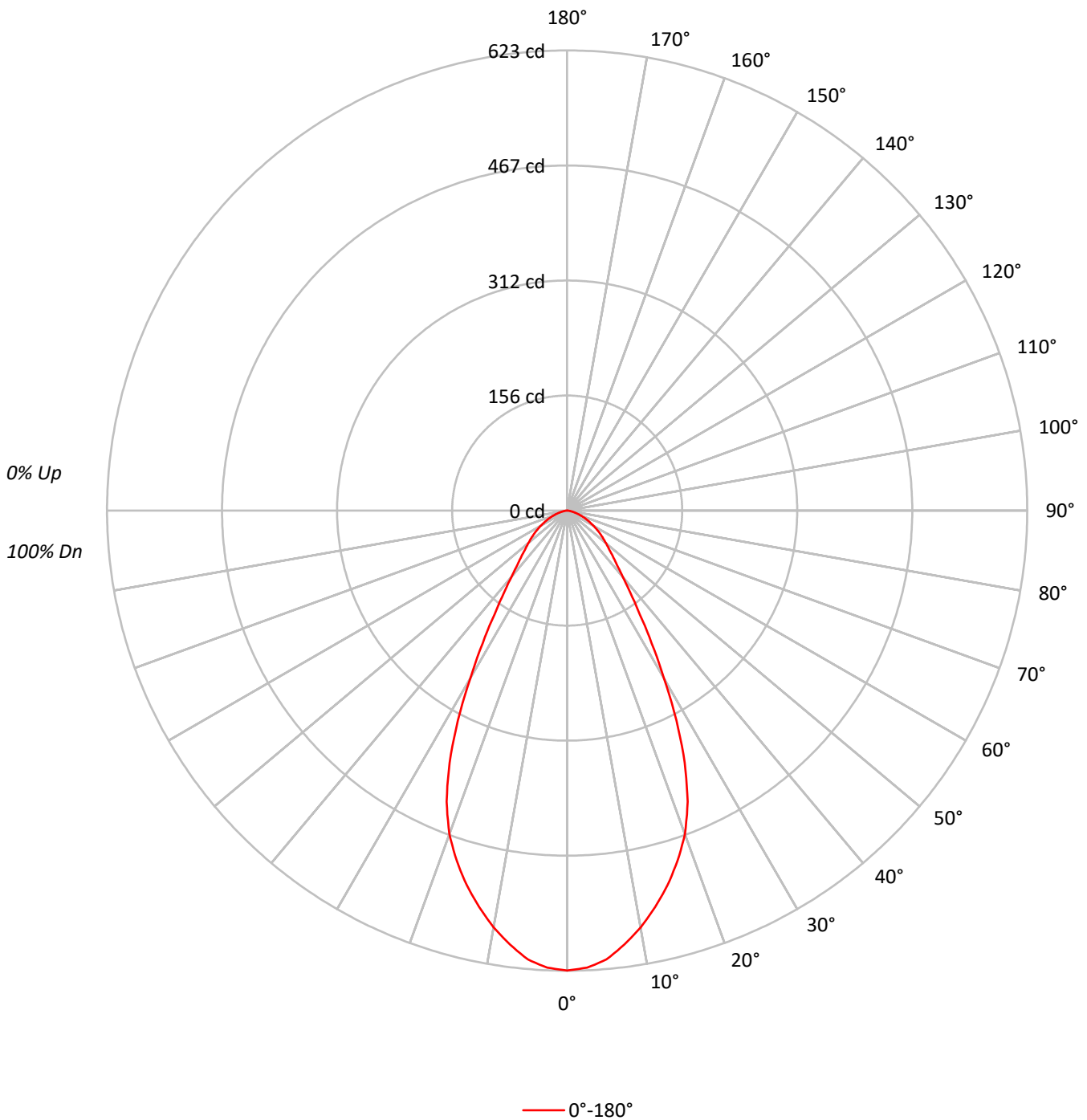
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	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	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44586
5°	43851
10°	41661
15°	38932
20°	35523
25°	29745
30°	21654
35°	14982
40°	10955
45°	8830
50°	7642
55°	6766
60°	5900
65°	5032
70°	4124
75°	3071
80°	2144
85°	1807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	8.8
10°-20°	146.7	22.7
20°-30°	169.3	26.3
30°-40°	110.4	17.1
40°-50°	68.6	10.6
50°-60°	48.7	7.5
60°-70°	29.6	4.6
70°-80°	12.3	1.9
80°-90°	2.5	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°	373.0	57.8
0°-40°	483.4	74.9
0°-60°	600.7	93.1
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	623	
5°	610	57
15°	525	147
25°	376	169
35°	171	110
45°	87	69
55°	54	49
65°	30	30
75°	11	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	622.7
2.5°	619.4
5°	610.1
7.5°	592.7
10°	573.0
12.5°	549.7
15°	525.2
17.5°	497.0
20°	466.2
22.5°	426.5
25°	376.5
27.5°	320.5
30°	261.9
32.5°	212.9
35°	171.4
37.5°	140.6
40°	117.2
42.5°	99.8
45°	87.2
47.5°	76.8
50°	68.6
52.5°	61.2
55°	54.2
57.5°	47.8
60°	41.2
62.5°	35.2
65°	29.7
67.5°	24.5
70°	19.7
72.5°	15.2
75°	11.1
77.5°	7.8
80°	5.2
82.5°	3.3
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)