

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: P365243

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 648.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

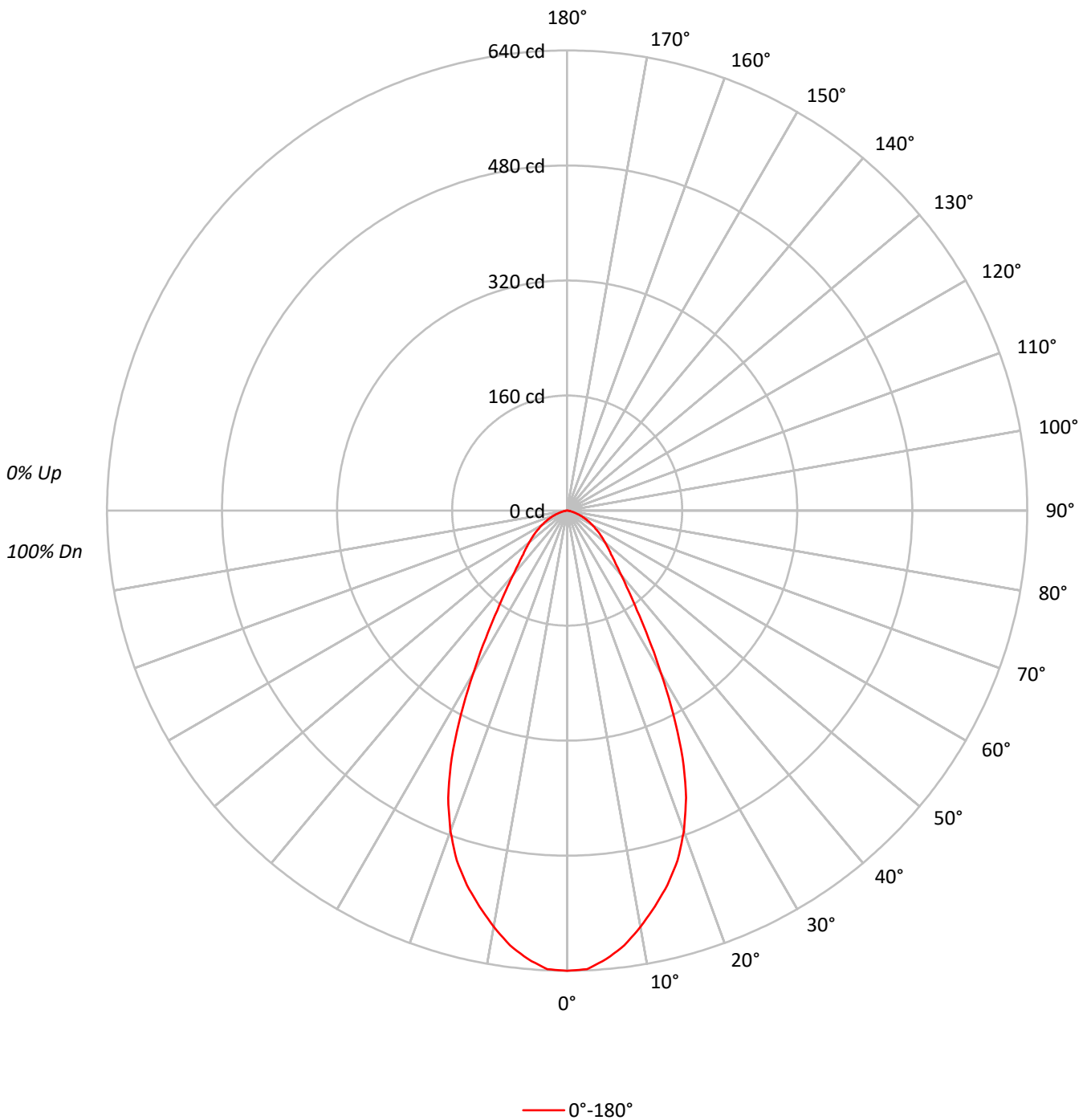
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45832
5°	45001
10°	42737
15°	39947
20°	36148
25°	30021
30°	21538
35°	14781
40°	10880
45°	8789
50°	7642
55°	6729
60°	5814
65°	4947
70°	3894
75°	2739
80°	1732
85°	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	9.0
10°-20°	150.4	23.2
20°-30°	170.6	26.3
30°-40°	109.3	16.9
40°-50°	68.5	10.6
50°-60°	48.3	7.5
60°-70°	29.0	4.5
70°-80°	11.1	1.7
80°-90°	2.2	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°	379.5	58.6
0°-40°	488.8	75.4
0°-60°	605.7	93.5
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	640	
5°	626	59
15°	539	150
25°	380	171
35°	169	109
45°	87	69
55°	54	48
65°	29	29
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	640.1
2.5°	638.3
5°	626.1
7.5°	609.8
10°	587.8
12.5°	563.9
15°	538.9
17.5°	510.5
20°	474.4
22.5°	432.3
25°	380.0
27.5°	319.7
30°	260.5
32.5°	210.5
35°	169.1
37.5°	139.2
40°	116.4
42.5°	99.7
45°	86.8
47.5°	77.4
50°	68.6
52.5°	61.1
55°	53.9
57.5°	47.0
60°	40.6
62.5°	34.9
65°	29.2
67.5°	23.9
70°	18.6
72.5°	14.0
75°	9.9
77.5°	6.8
80°	4.2
82.5°	2.7
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)