

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: P365211

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 652.1 lumens
Efficiency: N/A
Efficacy: 65.2 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

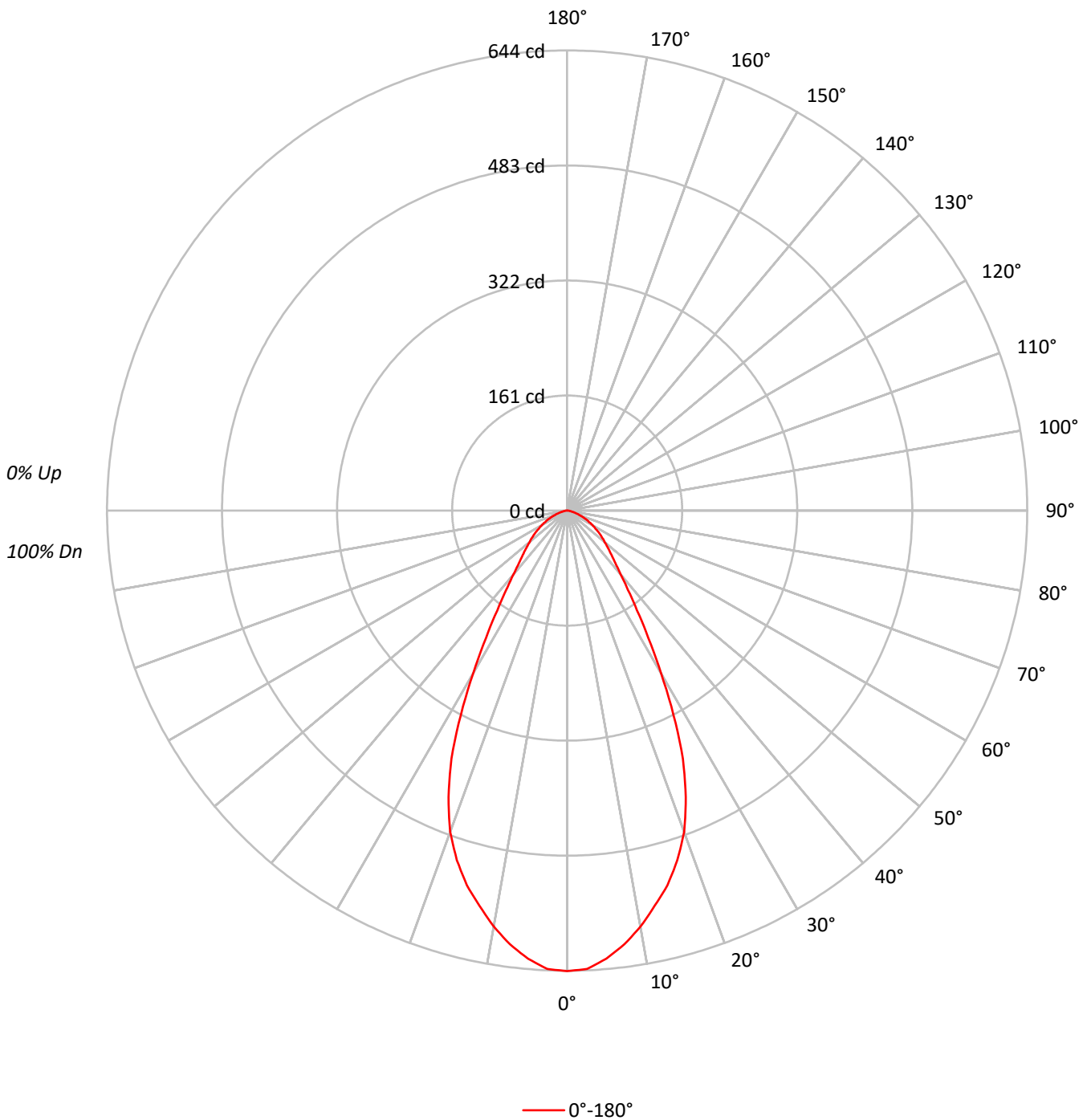
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	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	85	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	55	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°	46147
5°	45246
10°	42969
15°	40229
20°	36460
25°	30282
30°	21720
35°	14895
40°	10927
45°	8870
50°	7630
55°	6766
60°	5871
65°	4964
70°	3915
75°	2849
80°	1814
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	9.0
10°-20°	151.3	23.2
20°-30°	171.7	26.3
30°-40°	109.9	16.9
40°-50°	68.7	10.5
50°-60°	48.6	7.5
60°-70°	29.1	4.5
70°-80°	11.4	1.7
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°	381.9	58.6
0°-40°	491.8	75.4
0°-60°	609.1	93.4
0°-90°	652.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	644	
5°	630	59
15°	543	151
25°	383	172
35°	170	110
45°	88	69
55°	54	49
65°	29	29
75°	10	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	644.5
2.5°	642.0
5°	629.5
7.5°	612.3
10°	591.0
12.5°	566.5
15°	542.7
17.5°	513.0
20°	478.5
22.5°	433.8
25°	383.3
27.5°	322.1
30°	262.7
32.5°	211.1
35°	170.4
37.5°	140.0
40°	116.9
42.5°	99.7
45°	87.6
47.5°	77.3
50°	68.5
52.5°	61.6
55°	54.2
57.5°	47.3
60°	41.0
62.5°	34.8
65°	29.3
67.5°	23.8
70°	18.7
72.5°	14.3
75°	10.3
77.5°	7.0
80°	4.4
82.5°	2.9
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)