

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: P365246

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 710.9 lumens
Efficiency: N/A
Efficacy: 71.1 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

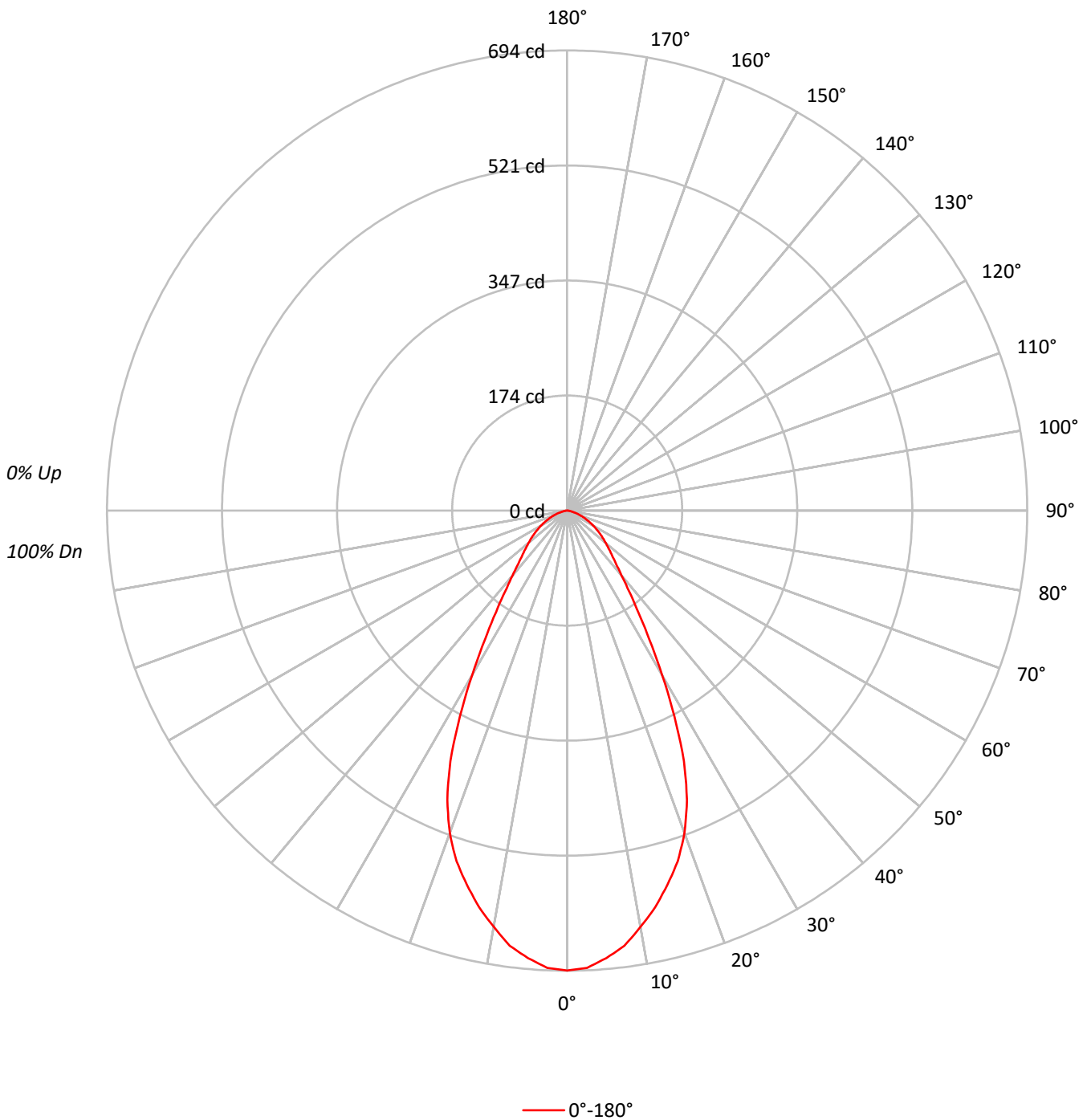
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	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	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49670
5°	48688
10°	46358
15°	43298
20°	39447
25°	32929
30°	23679
35°	16346
40°	11945
45°	9680
50°	8455
55°	7478
60°	6516
65°	5523
70°	4438
75°	3154
80°	2185
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	8.9
10°-20°	163.3	23.0
20°-30°	186.7	26.3
30°-40°	120.1	16.9
40°-50°	75.3	10.6
50°-60°	53.7	7.6
60°-70°	32.6	4.6
70°-80°	12.8	1.8
80°-90°	2.9	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°	413.5	58.2
0°-40°	533.7	75.1
0°-60°	662.7	93.2
0°-90°	710.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	694	
5°	677	63
15°	584	163
25°	417	187
35°	187	120
45°	96	75
55°	60	54
65°	33	33
75°	11	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	693.7
2.5°	690.3
5°	677.4
7.5°	661.9
10°	637.6
12.5°	612.9
15°	584.1
17.5°	554.5
20°	517.7
22.5°	472.2
25°	416.8
27.5°	350.1
30°	286.4
32.5°	230.2
35°	187.0
37.5°	152.9
40°	127.8
42.5°	109.2
45°	95.6
47.5°	85.0
50°	75.9
52.5°	67.9
55°	59.9
57.5°	52.3
60°	45.5
62.5°	39.1
65°	32.6
67.5°	26.9
70°	21.2
72.5°	15.9
75°	11.4
77.5°	8.0
80°	5.3
82.5°	3.4
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)