

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: P365236

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
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-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 919.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

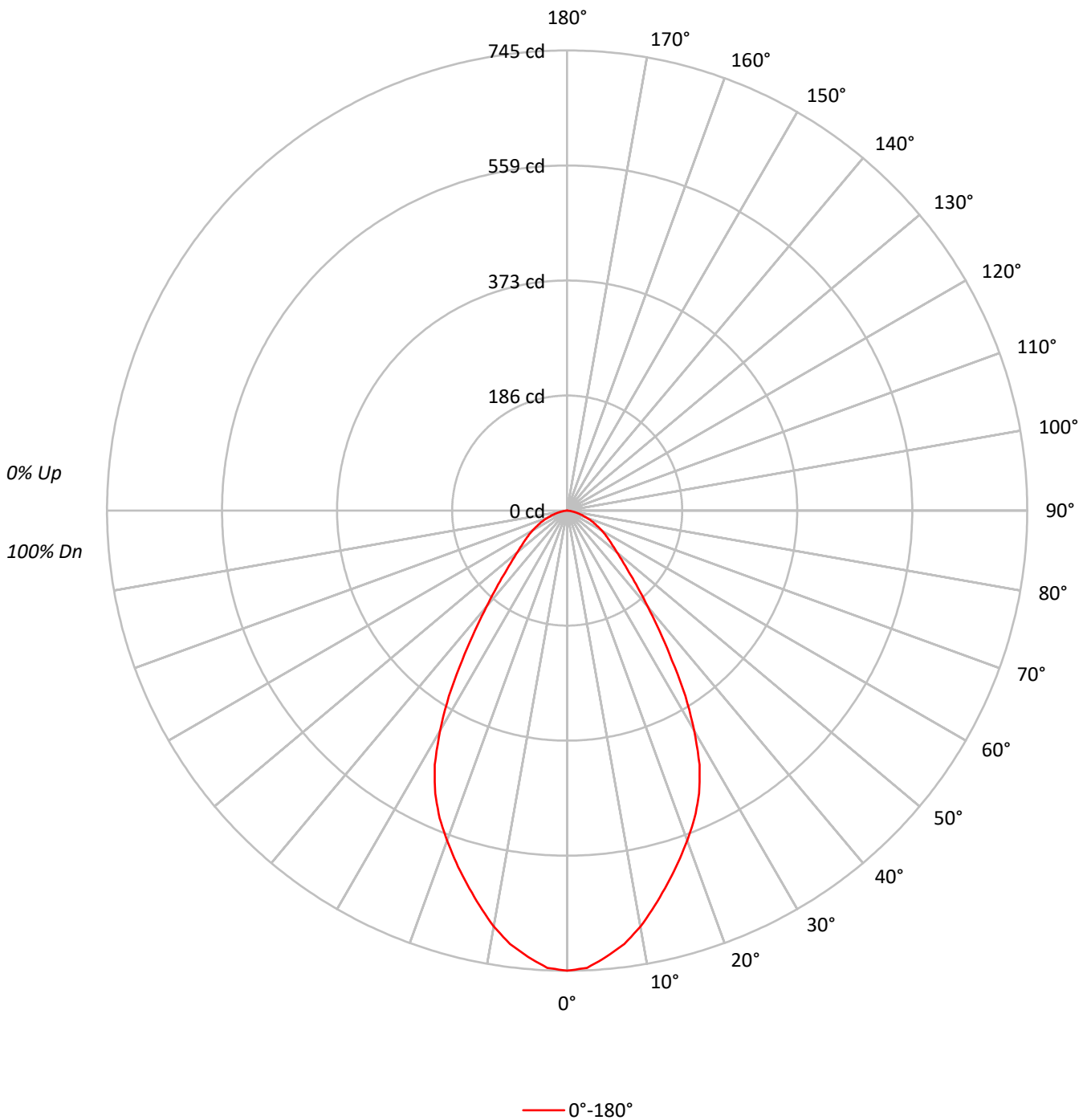
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	20344
5°	19890
10°	18964
15°	17703
20°	16520
25°	15232
30°	12973
35°	9867
40°	7224
45°	5497
50°	4466
55°	3919
60°	3524
65°	3115
70°	2636
75°	2079
80°	1431
85°	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.0	7.4
10°-20°	175.8	19.1
20°-30°	229.1	24.9
30°-40°	186.6	20.3
40°-50°	112.5	12.2
50°-60°	74.6	8.1
60°-70°	47.9	5.2
70°-80°	21.3	2.3
80°-90°	3.2	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°	473.0	51.5
0°-40°	659.5	71.8
0°-60°	846.6	92.1
0°-90°	919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	745	
5°	725	68
15°	626	176
25°	505	229
35°	296	187
45°	142	113
55°	82	75
65°	48	48
75°	20	21
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	744.8
2.5°	741.0
5°	725.4
7.5°	707.6
10°	683.7
12.5°	655.2
15°	626.0
17.5°	597.5
20°	568.3
22.5°	539.1
25°	505.4
27.5°	464.0
30°	411.3
32.5°	356.3
35°	295.9
37.5°	245.5
40°	202.6
42.5°	168.8
45°	142.3
47.5°	121.4
50°	105.1
52.5°	93.3
55°	82.3
57.5°	73.6
60°	64.5
62.5°	56.2
65°	48.2
67.5°	40.6
70°	33.0
72.5°	26.2
75°	19.7
77.5°	14.0
80°	9.1
82.5°	4.9
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)