

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: P365308

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365308  
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: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1221.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 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

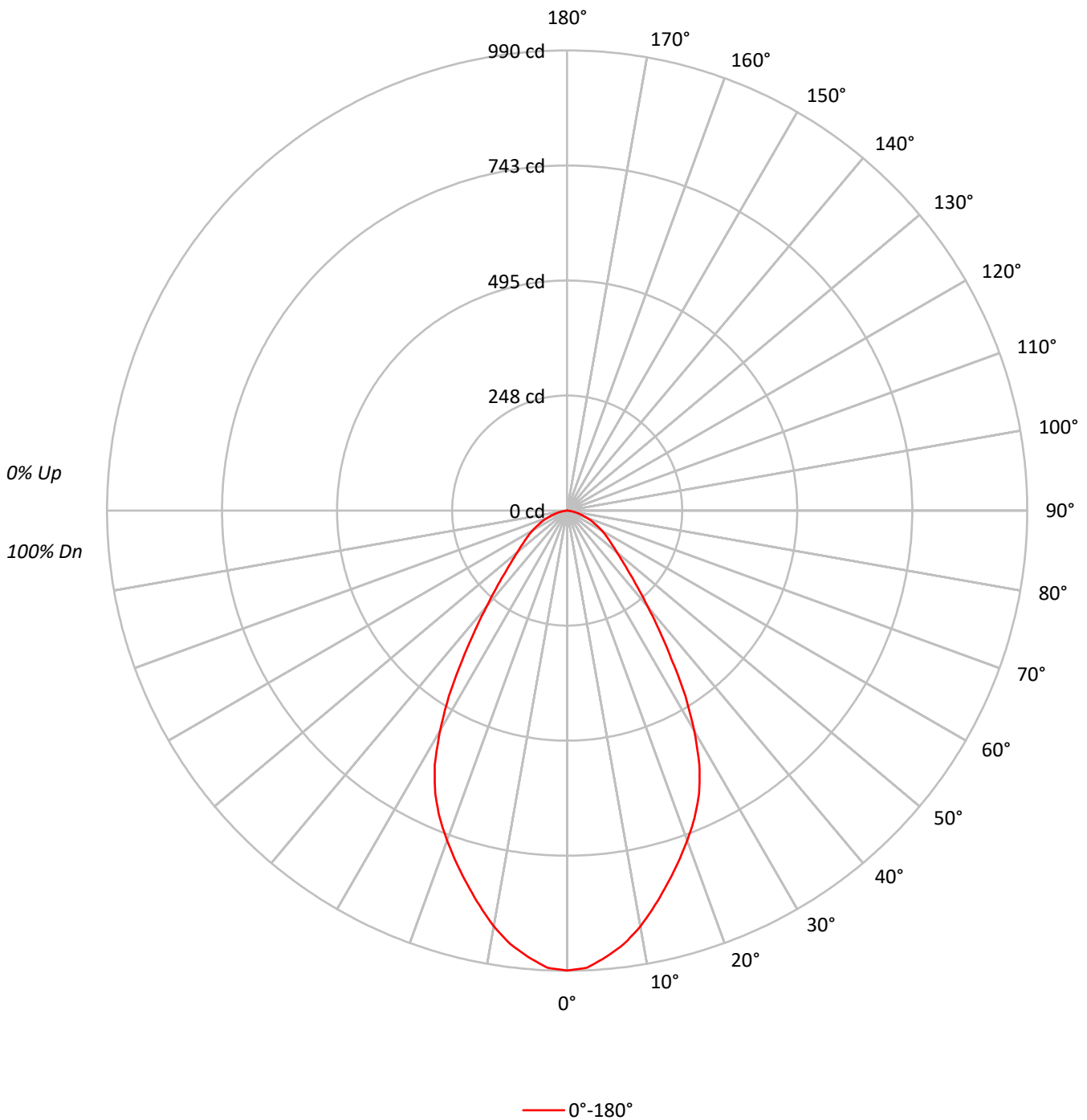
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	27028
5°	26427
10°	25193
15°	23520
20°	21949
25°	20235
30°	17234
35°	13112
40°	9599
45°	7301
50°	5932
55°	5210
60°	4682
65°	4137
70°	3506
75°	2765
80°	1903
85°	784



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.3	7.4
10°-20°	233.6	19.1
20°-30°	304.4	24.9
30°-40°	247.9	20.3
40°-50°	149.5	12.2
50°-60°	99.1	8.1
60°-70°	63.6	5.2
70°-80°	28.4	2.3
80°-90°	4.3	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°	628.4	51.5
0°-40°	876.2	71.8
0°-60°	1124.8	92.1
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	990	
5°	964	90
15°	832	234
25°	671	304
35°	393	248
45°	189	149
55°	109	99
65°	64	64
75°	26	28
85°	2	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	989.5
2.5°	984.5
5°	963.8
7.5°	940.1
10°	908.3
12.5°	870.5
15°	831.7
17.5°	793.9
20°	755.1
22.5°	716.3
25°	671.4
27.5°	616.5
30°	546.4
32.5°	473.3
35°	393.2
37.5°	326.1
40°	269.2
42.5°	224.3
45°	189.0
47.5°	161.3
50°	139.6
52.5°	124.0
55°	109.4
57.5°	97.8
60°	85.7
62.5°	74.6
65°	64.0
67.5°	53.9
70°	43.9
72.5°	34.8
75°	26.2
77.5°	18.7
80°	12.1
82.5°	6.6
85°	2.5
87.5°	0.5
90°	0.0

(END OF REPORT)