

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: P365326

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365326  
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-FEU6B12-8050-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: 1251.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 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

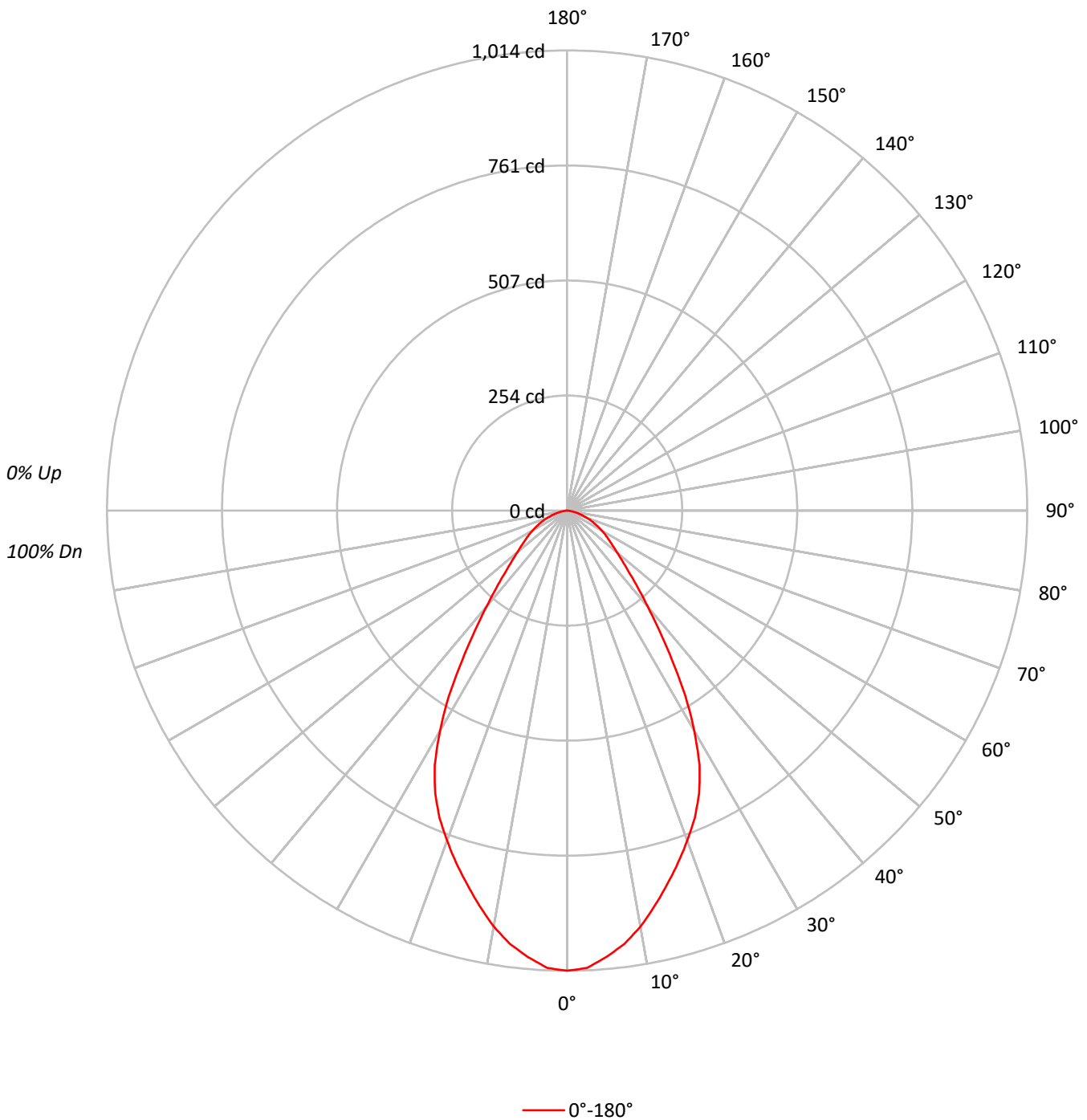
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	27692
5°	27077
10°	25814
15°	24099
20°	22490
25°	20733
30°	17657
35°	13432
40°	9834
45°	7483
50°	6081
55°	5339
60°	4797
65°	4240
70°	3586
75°	2839
80°	1951
85°	815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.5	7.4
10°-20°	239.4	19.1
20°-30°	311.9	24.9
30°-40°	253.9	20.3
40°-50°	153.2	12.2
50°-60°	101.5	8.1
60°-70°	65.2	5.2
70°-80°	29.0	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°	643.8	51.5
0°-40°	897.8	71.8
0°-60°	1152.5	92.1
0°-90°	1251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1014	
5°	988	93
15°	852	239
25°	688	312
35°	403	254
45°	194	153
55°	112	102
65°	66	65
75°	27	29
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1013.8
2.5°	1008.6
5°	987.5
7.5°	963.2
10°	930.7
12.5°	891.9
15°	852.2
17.5°	813.4
20°	773.7
22.5°	733.9
25°	687.9
27.5°	631.6
30°	559.8
32.5°	485.0
35°	402.8
37.5°	334.1
40°	275.8
42.5°	229.8
45°	193.7
47.5°	165.3
50°	143.1
52.5°	127.0
55°	112.1
57.5°	100.2
60°	87.8
62.5°	76.4
65°	65.6
67.5°	55.3
70°	44.9
72.5°	35.6
75°	26.9
77.5°	19.1
80°	12.4
82.5°	6.7
85°	2.6
87.5°	0.5
90°	0.0

(END OF REPORT)