

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: P365215

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365215  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 839.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 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

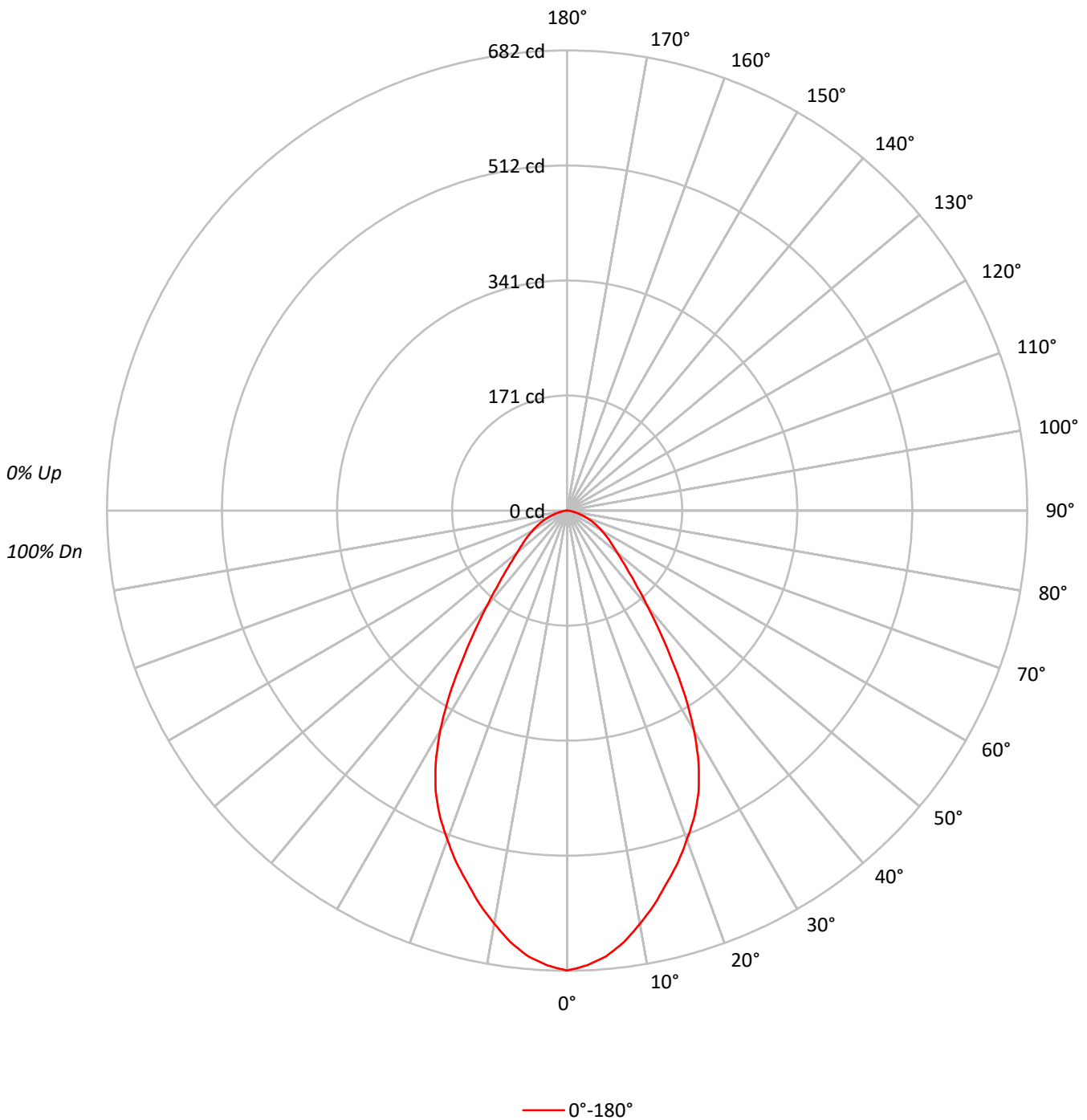
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	18621
5°	18185
10°	17244
15°	16147
20°	15081
25°	13882
30°	11866
35°	9027
40°	6614
45°	5033
50°	4105
55°	3615
60°	3218
65°	2824
70°	2396
75°	1879
80°	1274
85°	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.0	7.4
10°-20°	160.5	19.1
20°-30°	209.0	24.9
30°-40°	170.5	20.3
40°-50°	103.1	12.3
50°-60°	68.3	8.1
60°-70°	43.5	5.2
70°-80°	19.3	2.3
80°-90°	2.9	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°	431.4	51.4
0°-40°	602.0	71.7
0°-60°	773.3	92.2
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	682	
5°	663	62
15°	571	160
25°	461	209
35°	271	171
45°	130	103
55°	76	68
65°	44	43
75°	18	19
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	681.7
2.5°	674.7
5°	663.2
7.5°	645.0
10°	621.7
12.5°	598.0
15°	571.0
17.5°	546.5
20°	518.8
22.5°	492.1
25°	460.6
27.5°	422.1
30°	376.2
32.5°	324.7
35°	270.7
37.5°	224.8
40°	185.5
42.5°	154.4
45°	130.3
47.5°	111.5
50°	96.6
52.5°	85.2
55°	75.9
57.5°	67.0
60°	58.9
62.5°	51.1
65°	43.7
67.5°	36.7
70°	30.0
72.5°	23.7
75°	17.8
77.5°	12.6
80°	8.1
82.5°	4.4
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)