

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: P366029

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
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-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1016.0 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

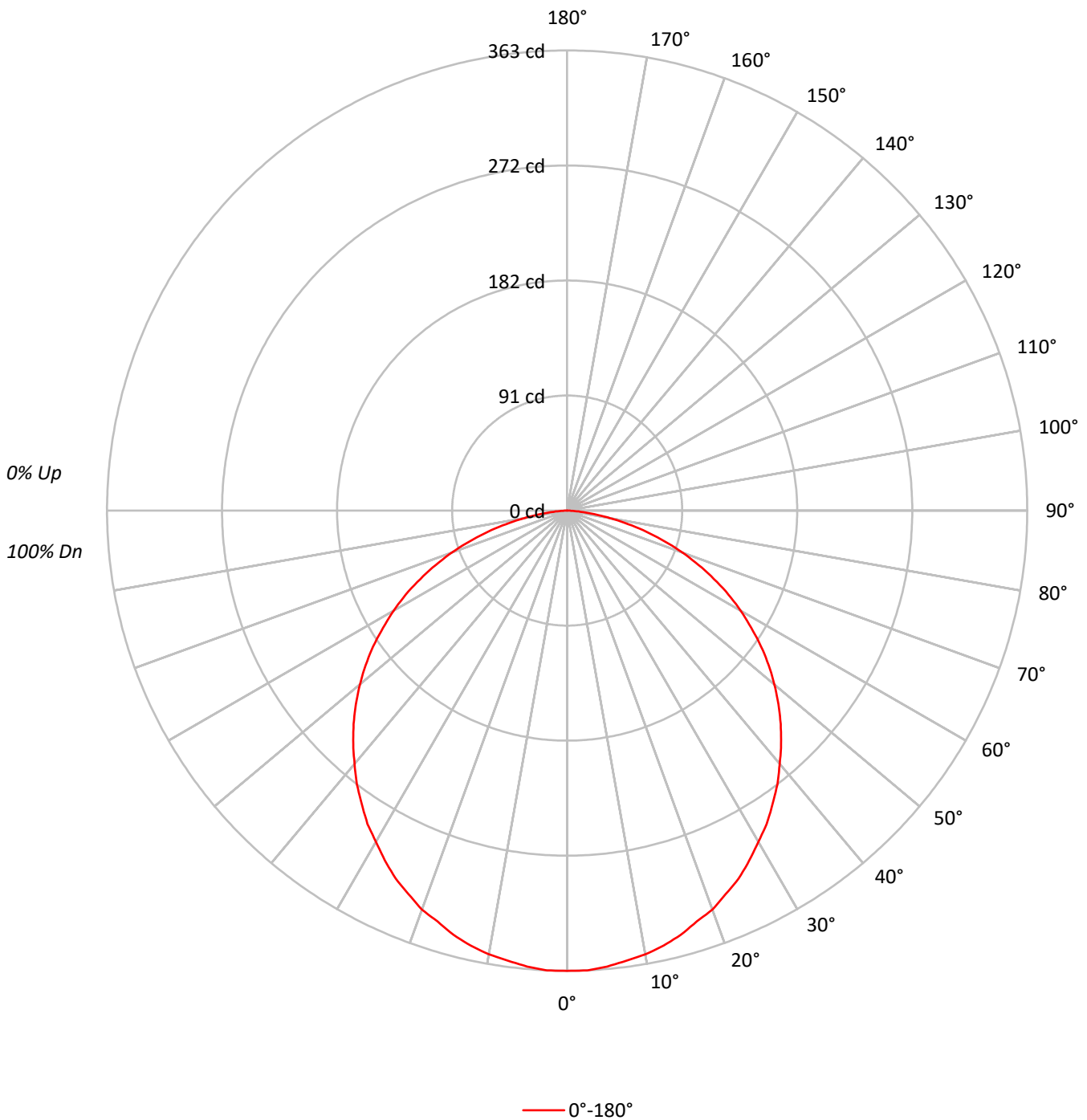
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	9918
5°	9901
10°	9860
15°	9799
20°	9735
25°	9654
30°	9516
35°	9420
40°	9303
45°	9202
50°	9073
55°	8896
60°	8637
65°	8267
70°	7723
75°	6860
80°	5458
85°	3322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.3	3.4
10°-20°	97.7	9.6
20°-30°	147.3	14.5
30°-40°	176.9	17.4
40°-50°	183.7	18.1
50°-60°	166.7	16.4
60°-70°	126.4	12.4
70°-80°	68.7	6.8
80°-90°	14.3	1.4
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°	279.3	27.5
0°-40°	456.2	44.9
0°-60°	806.5	79.4
0°-90°	1016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	363	
5°	361	34
15°	346	98
25°	320	147
35°	282	177
45°	238	184
55°	187	167
65°	128	126
75°	65	69
85°	11	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	363.1
2.5°	363.1
5°	361.1
7.5°	358.1
10°	355.5
12.5°	351.5
15°	346.5
17.5°	339.9
20°	334.9
22.5°	327.3
25°	320.3
27.5°	311.2
30°	301.7
32.5°	293.1
35°	282.5
37.5°	272.4
40°	260.9
42.5°	249.8
45°	238.2
47.5°	226.1
50°	213.5
52.5°	200.4
55°	186.8
57.5°	172.2
60°	158.1
62.5°	143.5
65°	127.9
67.5°	112.3
70°	96.7
72.5°	80.6
75°	65.0
77.5°	49.4
80°	34.7
82.5°	21.7
85°	10.6
87.5°	3.0
90°	0.0

(END OF REPORT)