

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: P365973

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 522.0 lumens  
Efficiency: N/A  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

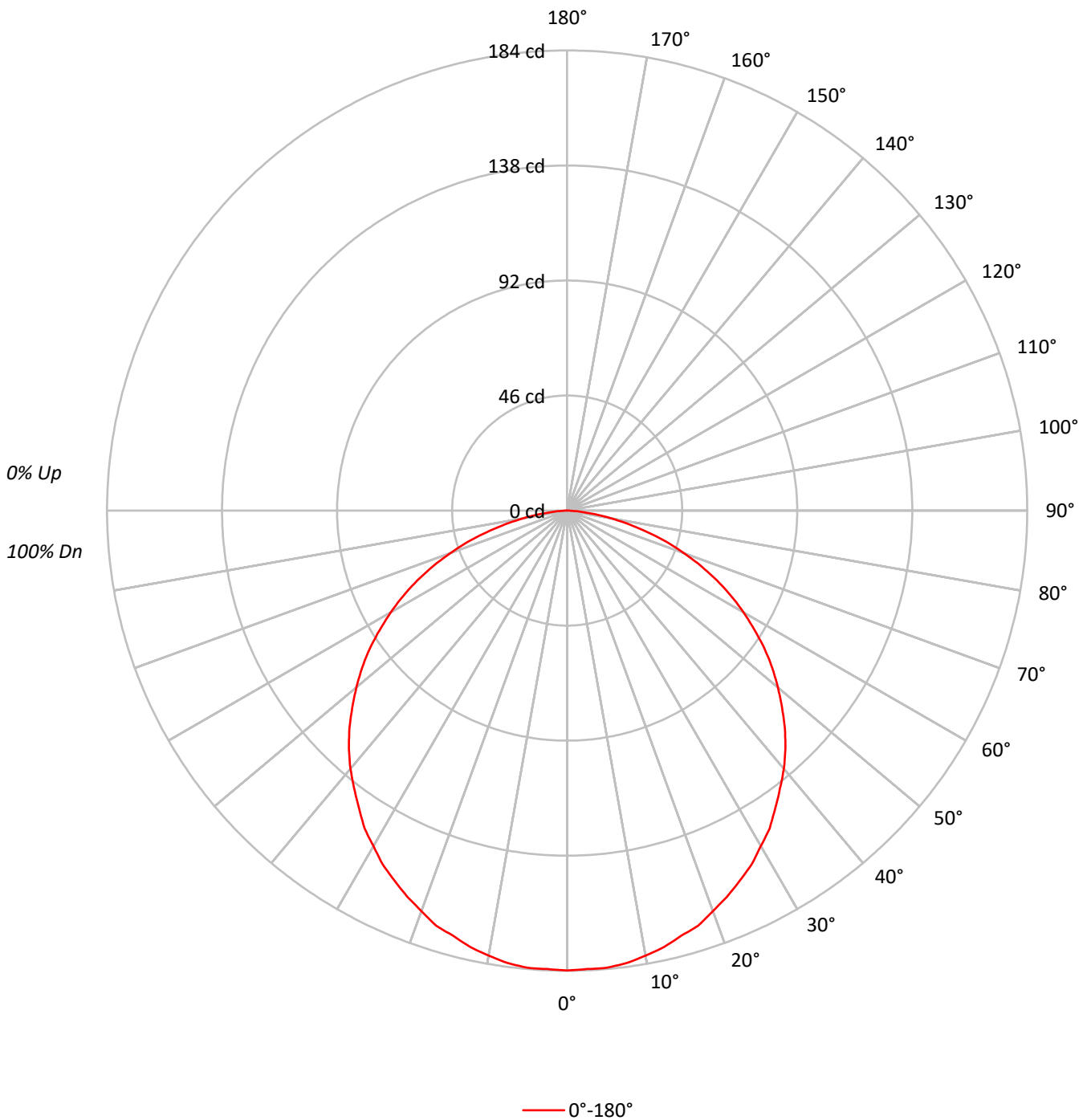
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	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	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	5023
5°	5031
10°	5012
15°	4977
20°	4953
25°	4922
30°	4886
35°	4838
40°	4807
45°	4755
50°	4674
55°	4591
60°	4447
65°	4266
70°	3961
75°	3504
80°	2800
85°	1598



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.4	3.3
10°-20°	49.8	9.5
20°-30°	75.3	14.4
30°-40°	90.9	17.4
40°-50°	94.8	18.2
50°-60°	86.0	16.5
60°-70°	65.2	12.5
70°-80°	35.3	6.8
80°-90°	7.2	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°	142.5	27.3
0°-40°	233.4	44.7
0°-60°	414.2	79.4
0°-90°	522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	184	
5°	184	17
15°	176	50
25°	163	75
35°	145	91
45°	123	95
55°	96	86
65°	66	65
75°	33	35
85°	5	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	183.9
2.5°	183.5
5°	183.5
7.5°	182.5
10°	180.7
12.5°	178.8
15°	176.0
17.5°	174.1
20°	170.4
22.5°	167.1
25°	163.3
27.5°	159.6
30°	154.9
32.5°	150.7
35°	145.1
37.5°	139.9
40°	134.8
42.5°	129.2
45°	123.1
47.5°	116.5
50°	110.0
52.5°	103.4
55°	96.4
57.5°	88.9
60°	81.4
62.5°	74.0
65°	66.0
67.5°	58.0
70°	49.6
72.5°	41.7
75°	33.2
77.5°	25.3
80°	17.8
82.5°	11.2
85°	5.1
87.5°	1.4
90°	0.0

(END OF REPORT)