

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: P364531

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
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-LI-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1221.1 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

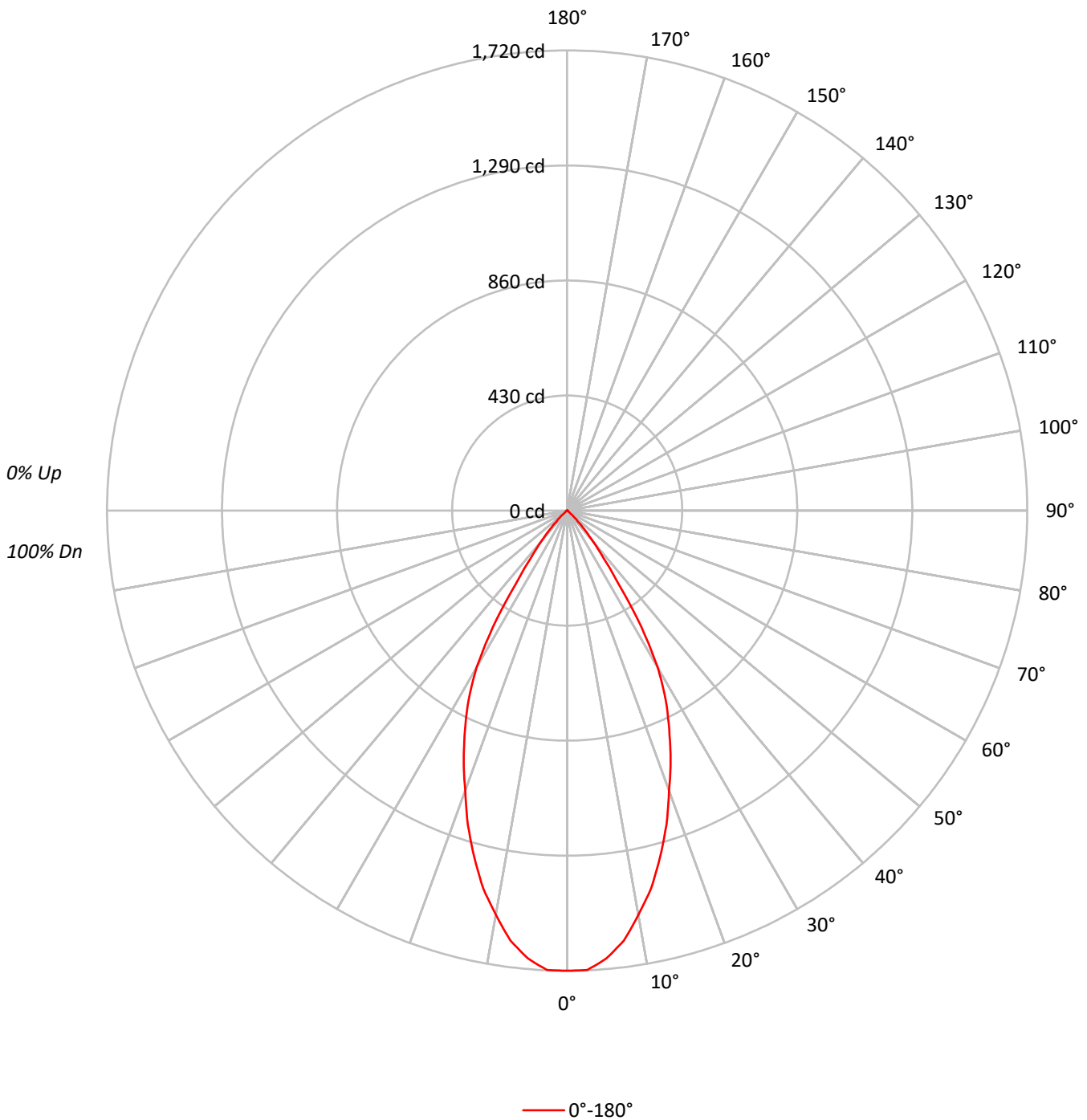
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	62	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	63	58	56	54

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

	0°
0°	46977
5°	46084
10°	42556
15°	37925
20°	32388
25°	27201
30°	21353
35°	11064
40°	5284
45°	2078
50°	548
55°	152
60°	98
65°	90
70°	72
75°	95
80°	79
85°	157



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.8	12.8
10°-20°	372.7	30.5
20°-30°	411.5	33.7
30°-40°	226.4	18.5
40°-50°	47.9	3.9
50°-60°	4.0	0.3
60°-70°	1.2	0.1
70°-80°	0.9	0.1
80°-90°	0.5	0.0
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°	940.1	77.0
0°-40°	1166.5	95.5
0°-60°	1218.4	99.8
0°-90°	1221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1720	
5°	1681	156
15°	1341	373
25°	902	412
35°	332	226
45°	54	48
55°	3	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1719.8
2.5°	1718.9
5°	1680.7
7.5°	1621.8
10°	1534.3
12.5°	1447.4
15°	1341.1
17.5°	1232.9
20°	1114.2
22.5°	1010.2
25°	902.5
27.5°	798.5
30°	677.0
32.5°	516.8
35°	331.8
37.5°	223.7
40°	148.2
42.5°	92.5
45°	53.8
47.5°	27.6
50°	12.9
52.5°	5.5
55°	3.2
57.5°	2.3
60°	1.8
62.5°	1.4
65°	1.4
67.5°	0.9
70°	0.9
72.5°	1.4
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)