

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: P364617

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364617  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)  
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-LI-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1192.9 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

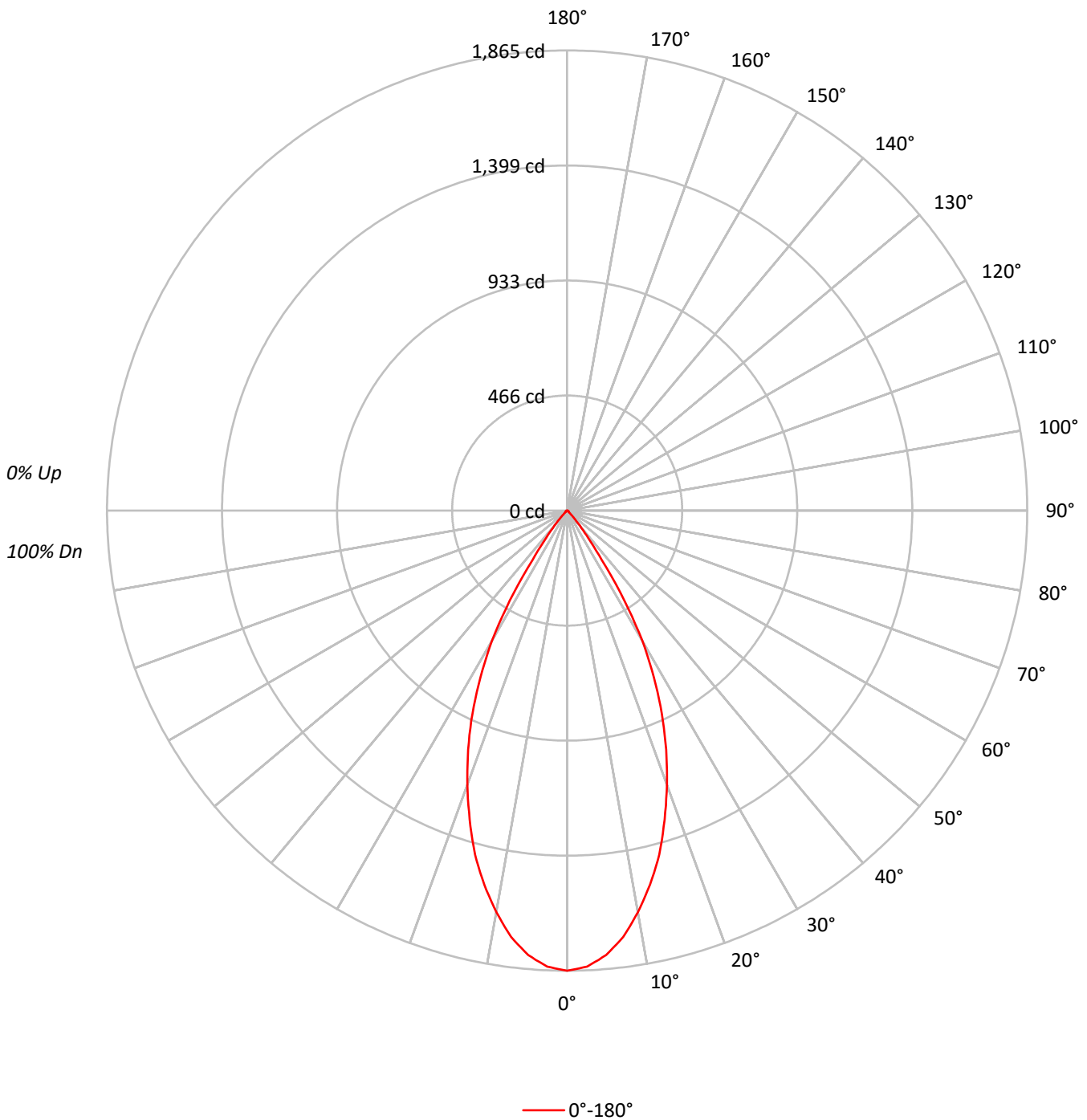
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	133530
5°	130001
10°	120162
15°	106974
20°	90095
25°	71791
30°	50285
35°	21302
40°	7431
45°	2035
50°	1036
55°	961
60°	959
65°	881
70°	858
75°	1134
80°	1484
85°	2136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.7	14.1
10°-20°	399.0	33.4
20°-30°	410.4	34.4
30°-40°	175.3	14.7
40°-50°	21.9	1.8
50°-60°	7.0	0.6
60°-70°	5.2	0.4
70°-80°	4.1	0.3
80°-90°	2.5	0.2
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°	977.1	81.9
0°-40°	1152.3	96.6
0°-60°	1181.2	99.0
0°-90°	1192.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1865	
5°	1809	168
15°	1443	399
25°	909	410
35°	244	175
45°	20	22
55°	8	7
65°	5	5
75°	4	4
85°	3	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1864.9
2.5°	1850.0
5°	1808.7
7.5°	1742.6
10°	1652.7
12.5°	1552.6
15°	1443.1
17.5°	1313.0
20°	1182.4
22.5°	1048.1
25°	908.7
27.5°	761.6
30°	608.2
32.5°	432.2
35°	243.7
37.5°	139.4
40°	79.5
42.5°	41.3
45°	20.1
47.5°	10.8
50°	9.3
52.5°	8.3
55°	7.7
57.5°	7.2
60°	6.7
62.5°	5.7
65°	5.2
67.5°	4.6
70°	4.1
72.5°	4.1
75°	4.1
77.5°	3.6
80°	3.6
82.5°	3.1
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)