

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: P364540

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1050.0 lumens  
Efficiency: N/A  
Efficacy: 73.9 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

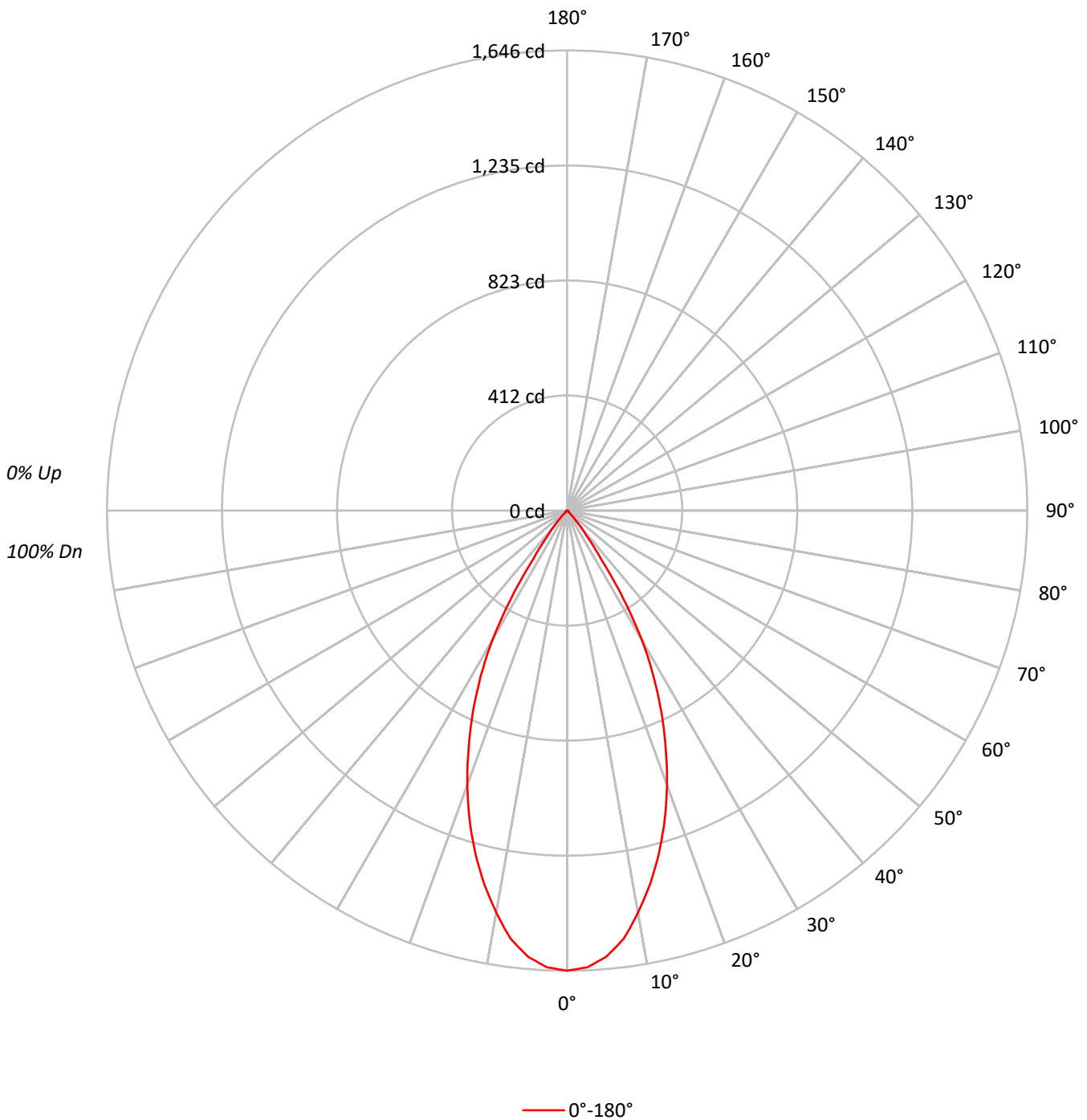
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	117849
5°	115166
10°	106166
15°	94031
20°	79611
25°	63069
30°	44324
35°	18461
40°	6337
45°	1691
50°	936
55°	874
60°	802
65°	779
70°	775
75°	885
80°	1155
85°	1890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.5	14.1
10°-20°	351.9	33.5
20°-30°	361.3	34.4
30°-40°	153.0	14.6
40°-50°	18.8	1.8
50°-60°	6.2	0.6
60°-70°	4.6	0.4
70°-80°	3.5	0.3
80°-90°	2.2	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°	861.7	82.1
0°-40°	1014.6	96.6
0°-60°	1039.7	99.0
0°-90°	1050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1646	
5°	1602	148
15°	1268	352
25°	798	361
35°	211	153
45°	17	19
55°	7	6
65°	5	5
75°	3	4
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1645.9
2.5°	1635.2
5°	1602.3
7.5°	1545.6
10°	1460.2
12.5°	1369.3
15°	1268.5
17.5°	1160.4
20°	1044.8
22.5°	921.8
25°	798.3
27.5°	670.7
30°	536.1
32.5°	377.8
35°	211.2
37.5°	121.1
40°	67.8
42.5°	35.7
45°	16.7
47.5°	9.7
50°	8.4
52.5°	7.4
55°	7.0
57.5°	6.5
60°	5.6
62.5°	5.1
65°	4.6
67.5°	4.2
70°	3.7
72.5°	3.7
75°	3.2
77.5°	3.2
80°	2.8
82.5°	2.8
85°	2.3
87.5°	1.4
90°	0.0

(END OF REPORT)