

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: P365985

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1059.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

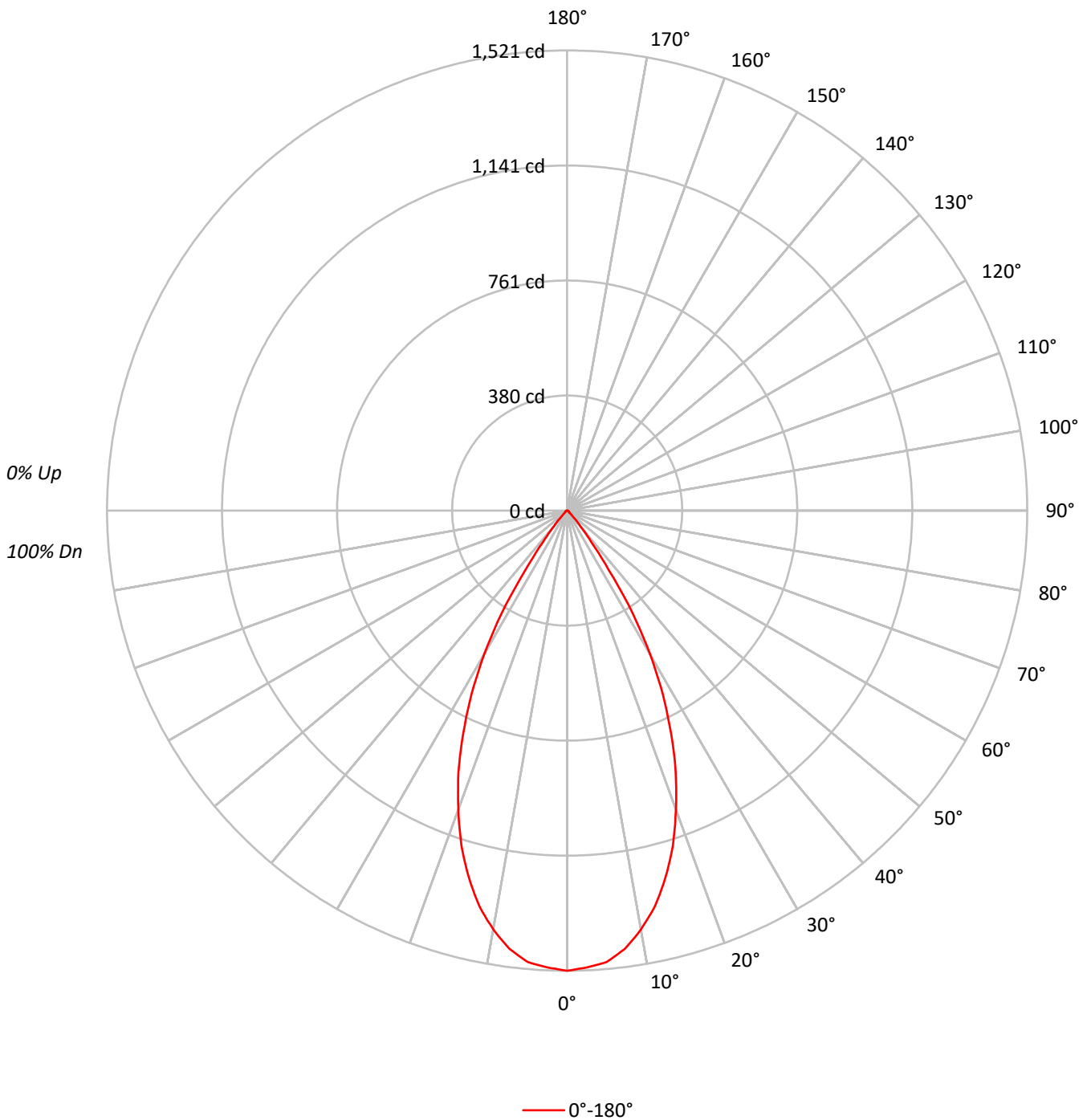
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	108906
5°	107676
10°	102218
15°	93090
20°	80114
25°	64183
30°	45283
35°	20970
40°	6823
45°	2177
50°	1047
55°	936
60°	874
65°	796
70°	775
75°	1024
80°	1155
85°	1890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.0	13.2
10°-20°	348.3	32.9
20°-30°	367.5	34.7
30°-40°	164.5	15.5
40°-50°	21.5	2.0
50°-60°	6.6	0.6
60°-70°	4.7	0.4
70°-80°	3.7	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°	855.8	80.8
0°-40°	1020.3	96.3
0°-60°	1048.5	99.0
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1521	
5°	1498	140
15°	1256	348
25°	812	368
35°	240	164
45°	22	22
55°	8	7
65°	5	5
75°	4	4
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1521.0
2.5°	1511.2
5°	1498.1
7.5°	1461.1
10°	1405.9
12.5°	1340.0
15°	1255.8
17.5°	1162.3
20°	1051.4
22.5°	938.7
25°	812.4
27.5°	684.7
30°	547.7
32.5°	406.0
35°	239.9
37.5°	130.5
40°	73.0
42.5°	40.7
45°	21.5
47.5°	11.2
50°	9.4
52.5°	8.0
55°	7.5
57.5°	6.5
60°	6.1
62.5°	5.1
65°	4.7
67.5°	4.2
70°	3.7
72.5°	3.7
75°	3.7
77.5°	3.3
80°	2.8
82.5°	2.8
85°	2.3
87.5°	1.4
90°	0.0

(END OF REPORT)