

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: P365893

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 739.0 lumens  
Efficiency: N/A  
Efficacy: 73.9 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

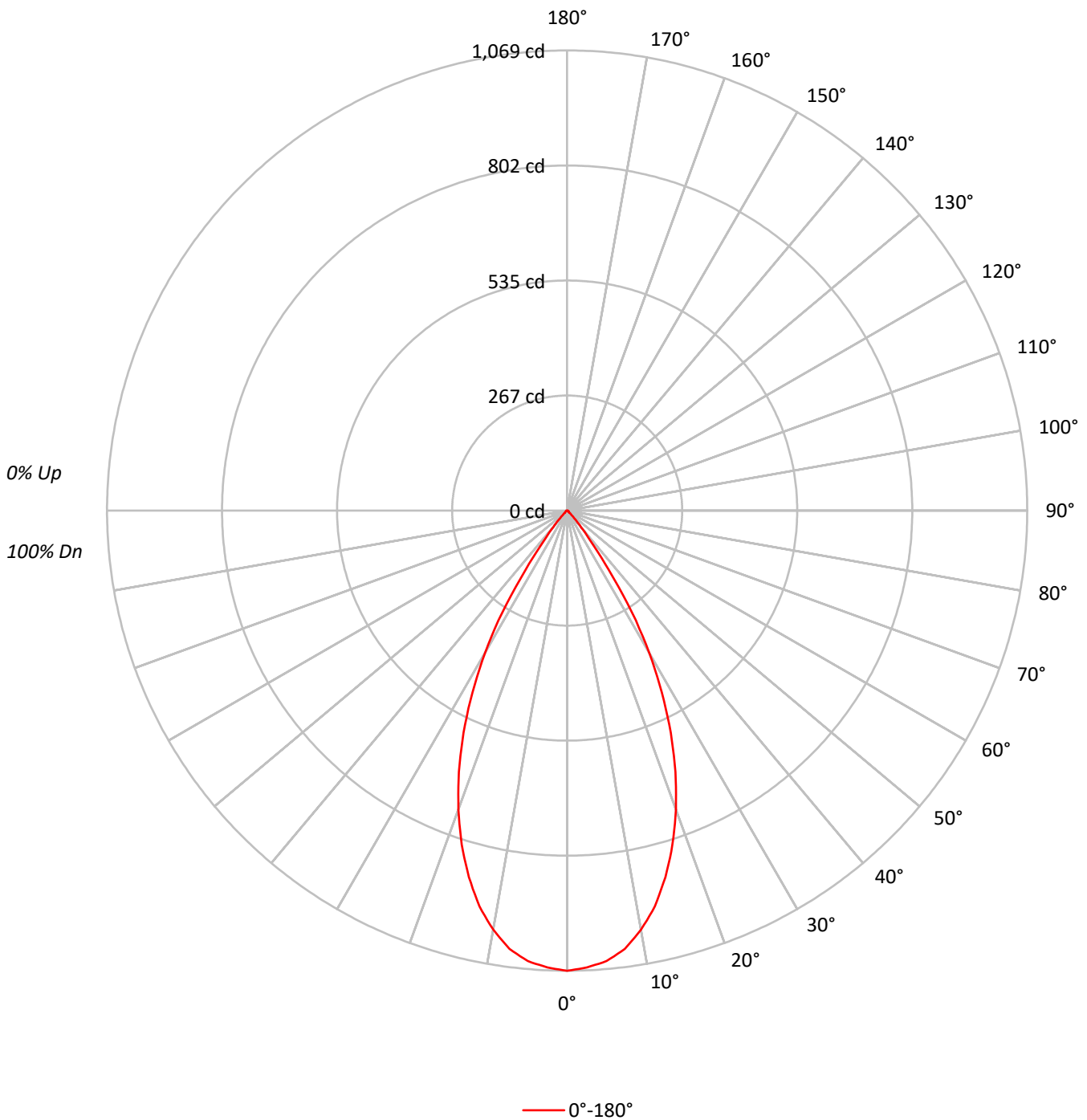
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	76550
5°	75512
10°	71885
15°	65344
20°	56272
25°	44985
30°	31542
35°	14667
40°	4636
45°	1448
50°	635
55°	599
60°	544
65°	491
70°	523
75°	609
80°	783
85°	1314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	13.3
10°-20°	244.4	33.1
20°-30°	257.0	34.8
30°-40°	114.0	15.4
40°-50°	14.3	1.9
50°-60°	4.3	0.6
60°-70°	3.0	0.4
70°-80°	2.3	0.3
80°-90°	1.4	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°	599.8	81.2
0°-40°	713.7	96.6
0°-60°	732.3	99.1
0°-90°	739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1069	
5°	1051	98
15°	882	244
25°	569	257
35°	168	114
45°	14	14
55°	5	4
65°	3	3
75°	2	2
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1069.1
2.5°	1062.1
5°	1050.6
7.5°	1027.1
10°	988.7
12.5°	941.6
15°	881.5
17.5°	813.8
20°	738.5
22.5°	656.8
25°	569.4
27.5°	476.5
30°	381.5
32.5°	280.7
35°	167.8
37.5°	89.3
40°	49.6
42.5°	27.0
45°	14.3
47.5°	7.0
50°	5.7
52.5°	5.1
55°	4.8
57.5°	4.5
60°	3.8
62.5°	3.5
65°	2.9
67.5°	2.5
70°	2.5
72.5°	2.2
75°	2.2
77.5°	2.2
80°	1.9
82.5°	1.6
85°	1.6
87.5°	1.0
90°	0.0

(END OF REPORT)