

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: P366030

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1142.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

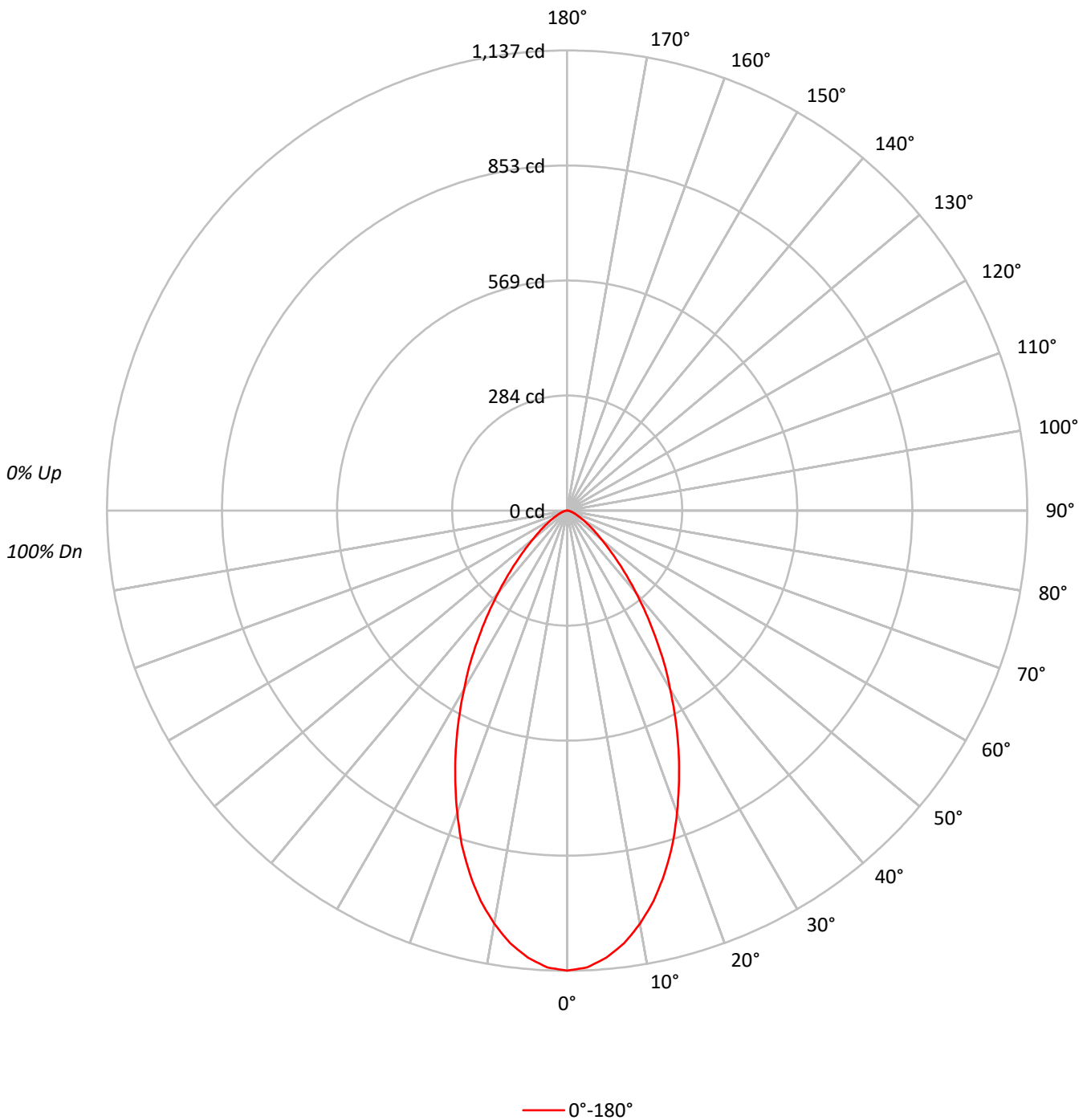
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	81390
5°	79710
10°	75353
15°	68872
20°	60508
25°	51432
30°	42075
35°	33120
40°	24676
45°	17498
50°	12342
55°	8863
60°	6344
65°	4608
70°	3580
75°	2932
80°	2474
85°	2465



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	9.1
10°-20°	258.5	22.6
20°-30°	297.4	26.0
30°-40°	237.3	20.8
40°-50°	136.8	12.0
50°-60°	65.2	5.7
60°-70°	28.2	2.5
70°-80°	11.6	1.0
80°-90°	3.4	0.3
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°	659.5	57.8
0°-40°	896.8	78.5
0°-60°	1098.8	96.2
0°-90°	1142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1137	
5°	1109	104
15°	929	259
25°	651	297
35°	379	237
45°	173	137
55°	71	65
65°	27	28
75°	11	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1136.7
2.5°	1129.7
5°	1109.0
7.5°	1078.3
10°	1036.4
12.5°	987.6
15°	929.1
17.5°	865.6
20°	794.1
22.5°	722.0
25°	651.0
27.5°	578.9
30°	508.9
32.5°	444.9
35°	378.9
37.5°	320.0
40°	264.0
42.5°	216.2
45°	172.8
47.5°	138.6
50°	110.8
52.5°	88.7
55°	71.0
57.5°	55.9
60°	44.3
62.5°	34.8
65°	27.2
67.5°	21.7
70°	17.1
72.5°	13.6
75°	10.6
77.5°	8.1
80°	6.0
82.5°	4.5
85°	3.0
87.5°	2.0
90°	0.0

(END OF REPORT)