

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: P364714

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364714  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2615.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

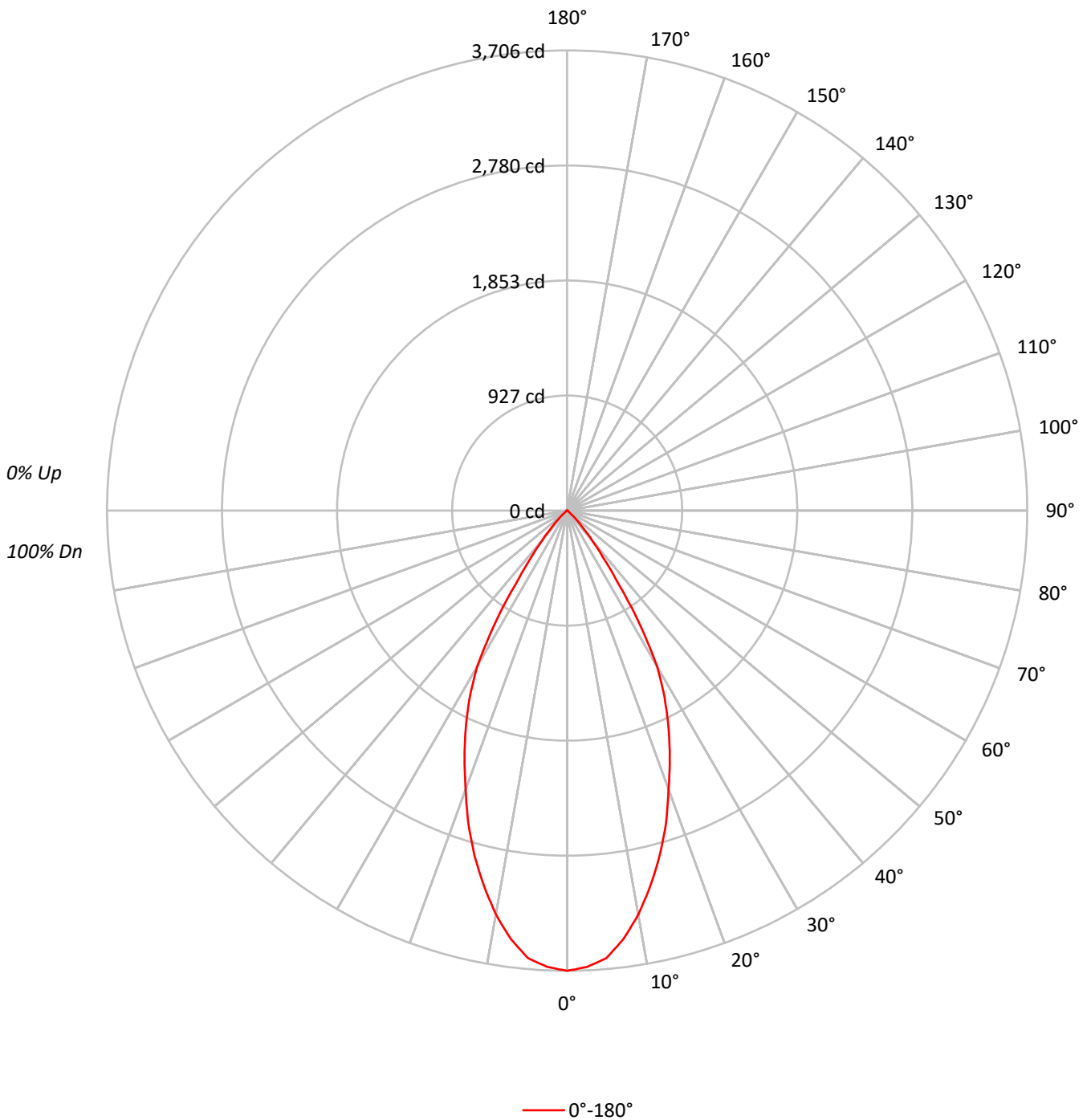
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77	77	77
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73	73	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68	68	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64	64	64
8	82	73	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61	61	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57	57	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54	54	54

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

	0°
0°	101244
5°	99188
10°	91567
15°	81398
20°	69465
25°	58202
30°	45615
35°	24049
40°	11236
45°	4419
50°	1156
55°	314
60°	208
65°	181
70°	152
75°	201
80°	142
85°	282



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.8	12.8
10°-20°	799.3	30.6
20°-30°	879.2	33.6
30°-40°	485.4	18.6
40°-50°	102.4	3.9
50°-60°	8.4	0.3
60°-70°	2.6	0.1
70°-80°	2.1	0.1
80°-90°	0.9	0.0
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°	2013.3	77.0
0°-40°	2498.7	95.6
0°-60°	2609.5	99.8
0°-90°	2615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3706	
5°	3617	335
15°	2878	799
25°	1931	879
35°	721	485
45°	114	102
55°	7	8
65°	3	3
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3706.5
2.5°	3678.4
5°	3617.4
7.5°	3479.5
10°	3301.3
12.5°	3096.9
15°	2878.4
17.5°	2643.9
20°	2389.7
22.5°	2159.0
25°	1931.1
27.5°	1699.4
30°	1446.2
32.5°	1101.1
35°	721.2
37.5°	479.3
40°	315.1
42.5°	198.8
45°	114.4
47.5°	60.0
50°	27.2
52.5°	11.3
55°	6.6
57.5°	4.7
60°	3.8
62.5°	2.8
65°	2.8
67.5°	1.9
70°	1.9
72.5°	2.8
75°	1.9
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)