

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: P364742

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2324.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

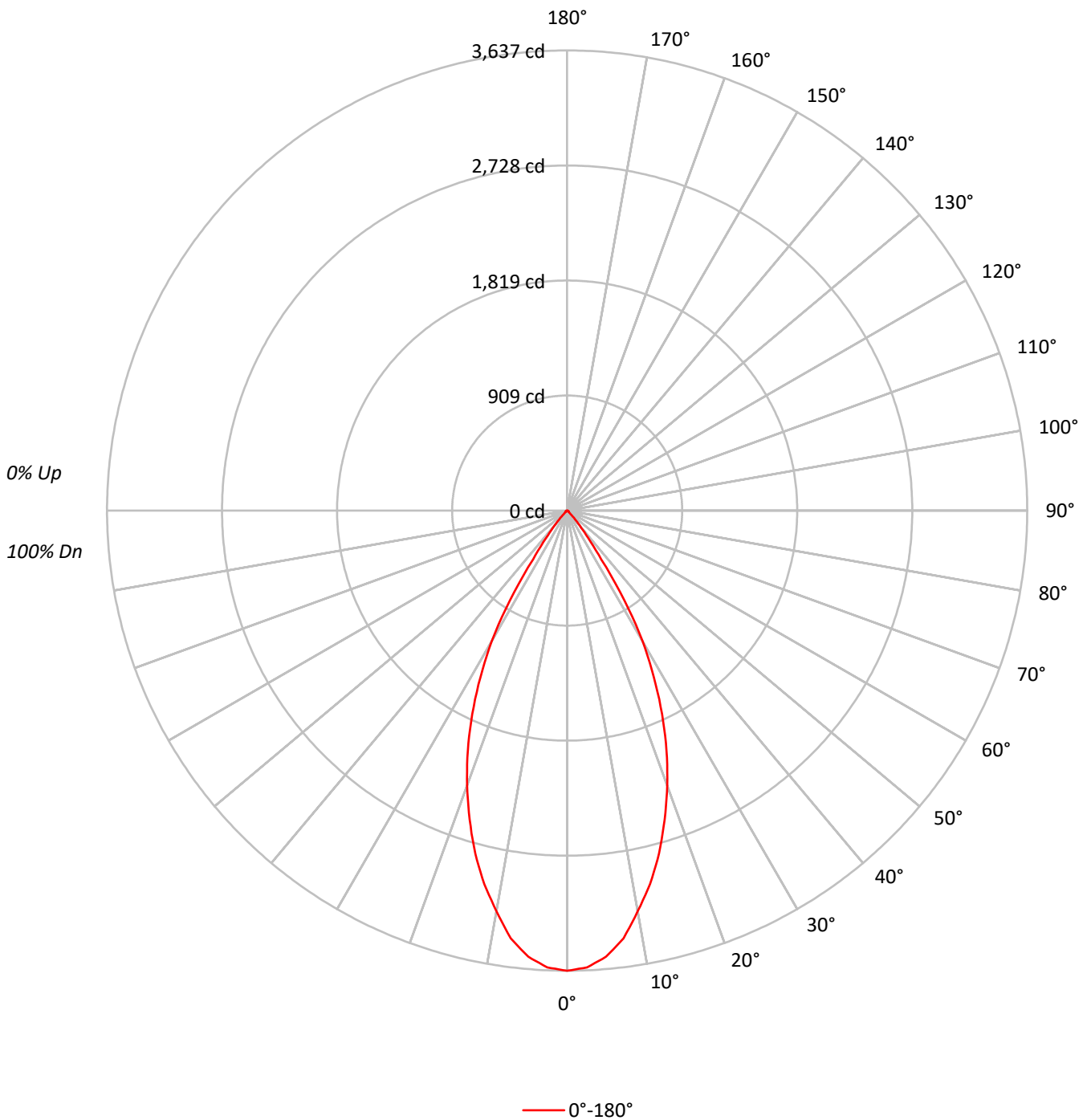
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
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		
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	79		
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°	260409
5°	254360
10°	233788
15°	208062
20°	176236
25°	140137
30°	98528
35°	41118
40°	14198
45°	3676
50°	1860
55°	1710
60°	1690
65°	1660
70°	1633
75°	2158
80°	2433
85°	4026



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.6	14.1
10°-20°	777.5	33.5
20°-30°	802.3	34.5
30°-40°	341.3	14.7
40°-50°	41.0	1.8
50°-60°	12.4	0.5
60°-70°	9.7	0.4
70°-80°	7.8	0.3
80°-90°	4.5	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°	1907.4	82.1
0°-40°	2248.7	96.8
0°-60°	2302.0	99.1
0°-90°	2324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3637	
5°	3539	328
15°	2807	778
25°	1774	802
35°	470	341
45°	36	41
55°	14	12
65°	10	10
75°	8	8
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3636.9
2.5°	3613.4
5°	3538.9
7.5°	3409.5
10°	3215.5
12.5°	3024.4
15°	2806.8
17.5°	2561.8
20°	2312.9
22.5°	2053.2
25°	1773.8
27.5°	1485.7
30°	1191.7
32.5°	844.8
35°	470.4
37.5°	270.5
40°	151.9
42.5°	78.4
45°	36.3
47.5°	19.6
50°	16.7
52.5°	14.7
55°	13.7
57.5°	12.7
60°	11.8
62.5°	10.8
65°	9.8
67.5°	8.8
70°	7.8
72.5°	7.8
75°	7.8
77.5°	6.9
80°	5.9
82.5°	5.9
85°	4.9
87.5°	2.9
90°	0.0

(END OF REPORT)