

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: P364790

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2261.0 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

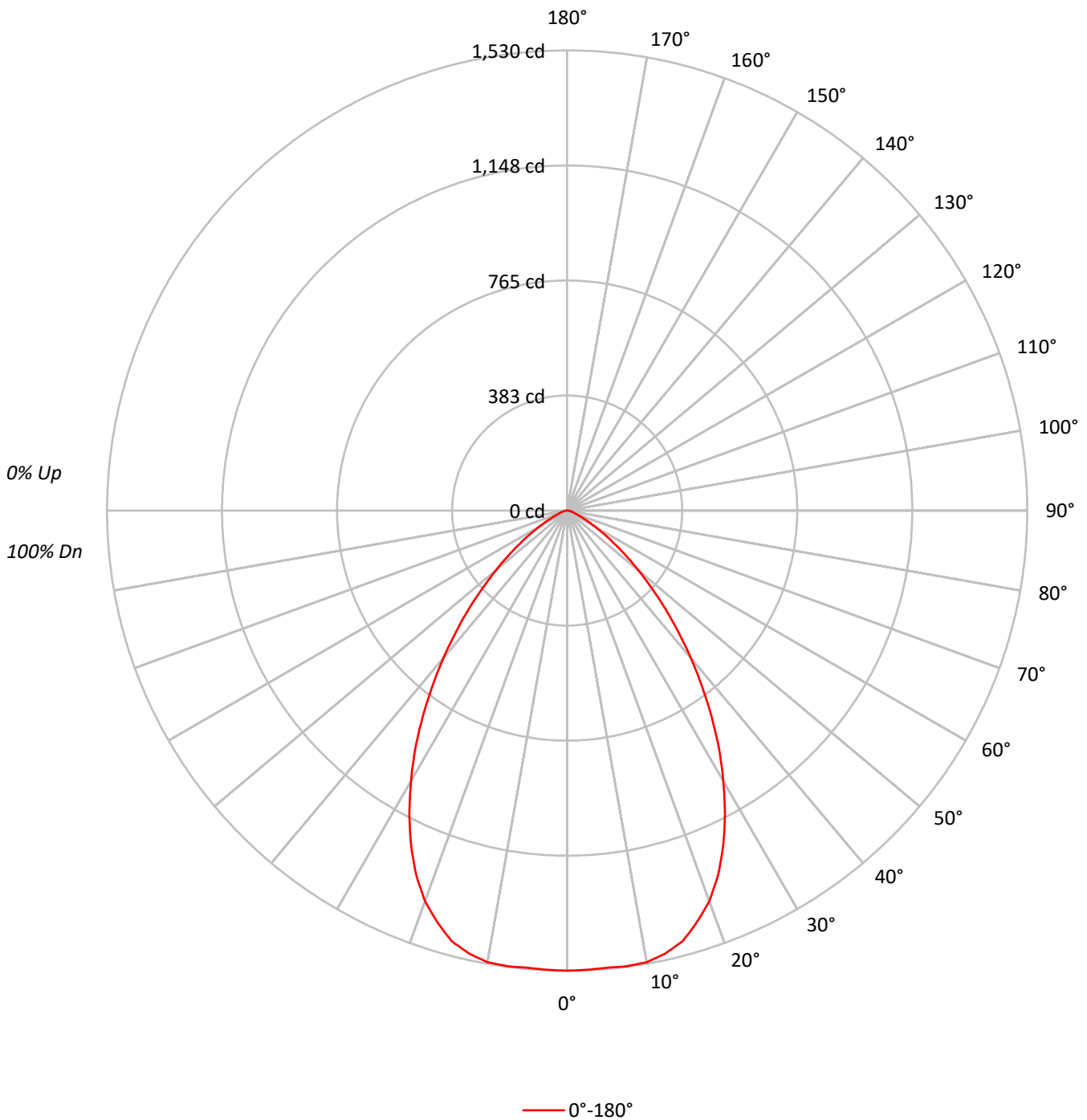
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	109544
5°	109667
10°	110855
15°	109879
20°	105297
25°	96985
30°	85837
35°	73197
40°	59792
45°	46752
50°	34476
55°	23906
60°	15266
65°	9301
70°	6280
75°	4869
80°	4288
85°	5915



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.7	6.4
10°-20°	414.5	18.3
20°-30°	560.7	24.8
30°-40°	521.5	23.1
40°-50°	357.3	15.8
50°-60°	176.1	7.8
60°-70°	58.9	2.6
70°-80°	19.5	0.9
80°-90°	6.8	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°	1120.9	49.6
0°-40°	1642.5	72.6
0°-60°	2175.9	96.2
0°-90°	2261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2261.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1530	
5°	1526	146
15°	1482	415
25°	1228	561
35°	837	522
45°	462	357
55°	192	176
65°	55	59
75°	18	20
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1529.9
2.5°	1527.8
5°	1525.8
7.5°	1527.8
10°	1524.7
12.5°	1508.2
15°	1482.3
17.5°	1434.7
20°	1381.9
22.5°	1311.5
25°	1227.6
27.5°	1136.6
30°	1038.2
32.5°	939.9
35°	837.4
37.5°	736.0
40°	639.7
42.5°	546.5
45°	461.7
47.5°	380.9
50°	309.5
52.5°	247.4
55°	191.5
57.5°	146.0
60°	106.6
62.5°	76.6
65°	54.9
67.5°	39.3
70°	30.0
72.5°	22.8
75°	17.6
77.5°	13.5
80°	10.4
82.5°	8.3
85°	7.2
87.5°	4.1
90°	0.0

(END OF REPORT)