

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: P364736

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364736  
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-FEU6B35-8030-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: 2141.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 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

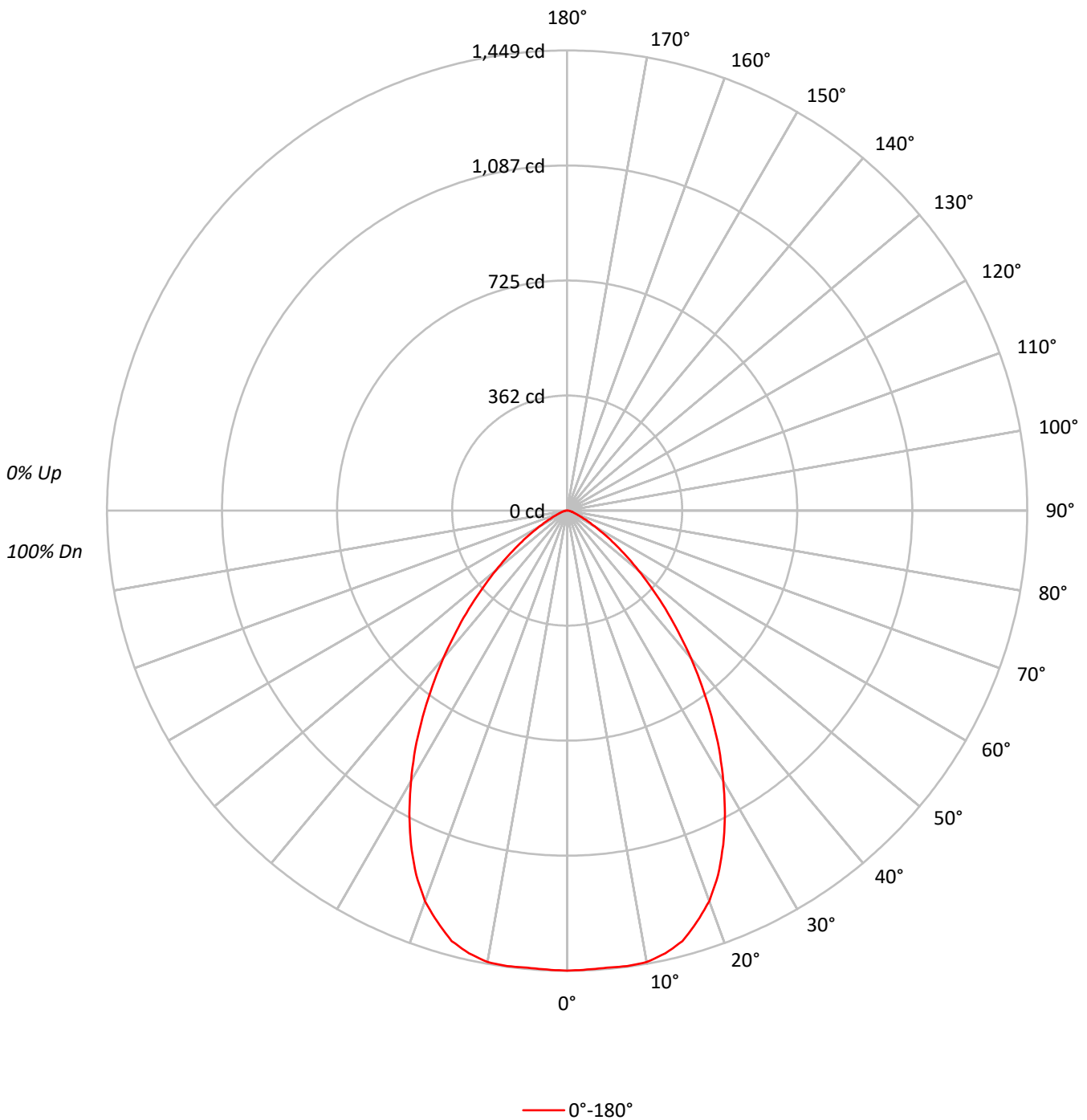
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	103730
5°	103846
10°	104974
15°	104046
20°	99704
25°	91842
30°	81281
35°	69316
40°	56615
45°	44271
50°	32649
55°	22632
60°	14464
65°	8793
70°	5946
75°	4620
80°	4041
85°	5669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.0	6.4
10°-20°	392.5	18.3
20°-30°	530.9	24.8
30°-40°	493.9	23.1
40°-50°	338.4	15.8
50°-60°	166.8	7.8
60°-70°	55.7	2.6
70°-80°	18.5	0.9
80°-90°	6.4	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°	1061.4	49.6
0°-40°	1555.3	72.6
0°-60°	2060.4	96.2
0°-90°	2141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1449	
5°	1445	138
15°	1404	392
25°	1162	531
35°	793	494
45°	437	338
55°	181	167
65°	52	56
75°	17	18
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1448.7
2.5°	1446.7
5°	1444.8
7.5°	1446.7
10°	1443.8
12.5°	1428.1
15°	1403.6
17.5°	1358.5
20°	1308.5
22.5°	1241.9
25°	1162.5
27.5°	1076.2
30°	983.1
32.5°	890.0
35°	793.0
37.5°	696.9
40°	605.7
42.5°	517.5
45°	437.2
47.5°	360.7
50°	293.1
52.5°	234.3
55°	181.3
57.5°	138.2
60°	101.0
62.5°	72.5
65°	51.9
67.5°	37.2
70°	28.4
72.5°	21.6
75°	16.7
77.5°	12.7
80°	9.8
82.5°	7.8
85°	6.9
87.5°	3.9
90°	0.0

(END OF REPORT)