

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: P366158

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
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-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2014.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

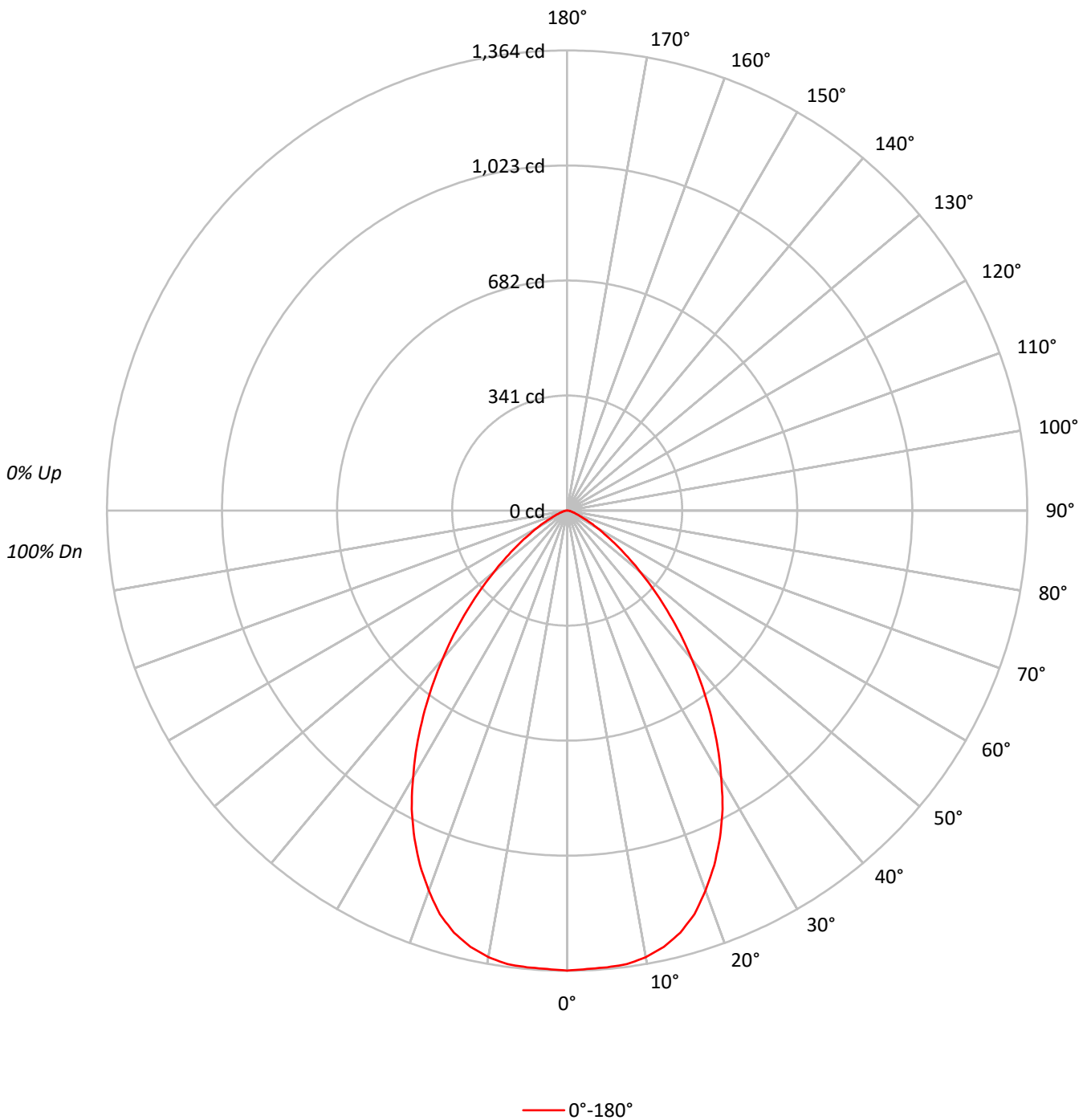
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	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	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	97636
5°	97671
10°	97710
15°	96010
20°	91330
25°	84613
30°	75527
35°	65007
40°	53652
45°	42448
50°	31546
55°	22245
60°	14779
65°	9064
70°	5883
75°	4399
80°	3876
85°	4601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.3	6.4
10°-20°	362.6	18.0
20°-30°	489.5	24.3
30°-40°	463.2	23.0
40°-50°	324.7	16.1
50°-60°	163.4	8.1
60°-70°	57.7	2.9
70°-80°	18.0	0.9
80°-90°	5.6	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°	981.4	48.7
0°-40°	1444.6	71.7
0°-60°	1932.6	96.0
0°-90°	2014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1364	
5°	1359	129
15°	1295	363
25°	1071	490
35°	744	463
45°	419	325
55°	178	163
65°	54	58
75°	16	18
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1363.6
2.5°	1359.9
5°	1358.9
7.5°	1356.1
10°	1343.9
12.5°	1324.2
15°	1295.2
17.5°	1254.8
20°	1198.6
22.5°	1138.6
25°	1071.0
27.5°	997.9
30°	913.5
32.5°	830.0
35°	743.7
37.5°	658.4
40°	574.0
42.5°	496.1
45°	419.2
47.5°	348.9
50°	283.2
52.5°	227.0
55°	178.2
57.5°	136.9
60°	103.2
62.5°	76.0
65°	53.5
67.5°	39.4
70°	28.1
72.5°	21.6
75°	15.9
77.5°	12.2
80°	9.4
82.5°	7.5
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)