

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: P366157

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2011.0 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

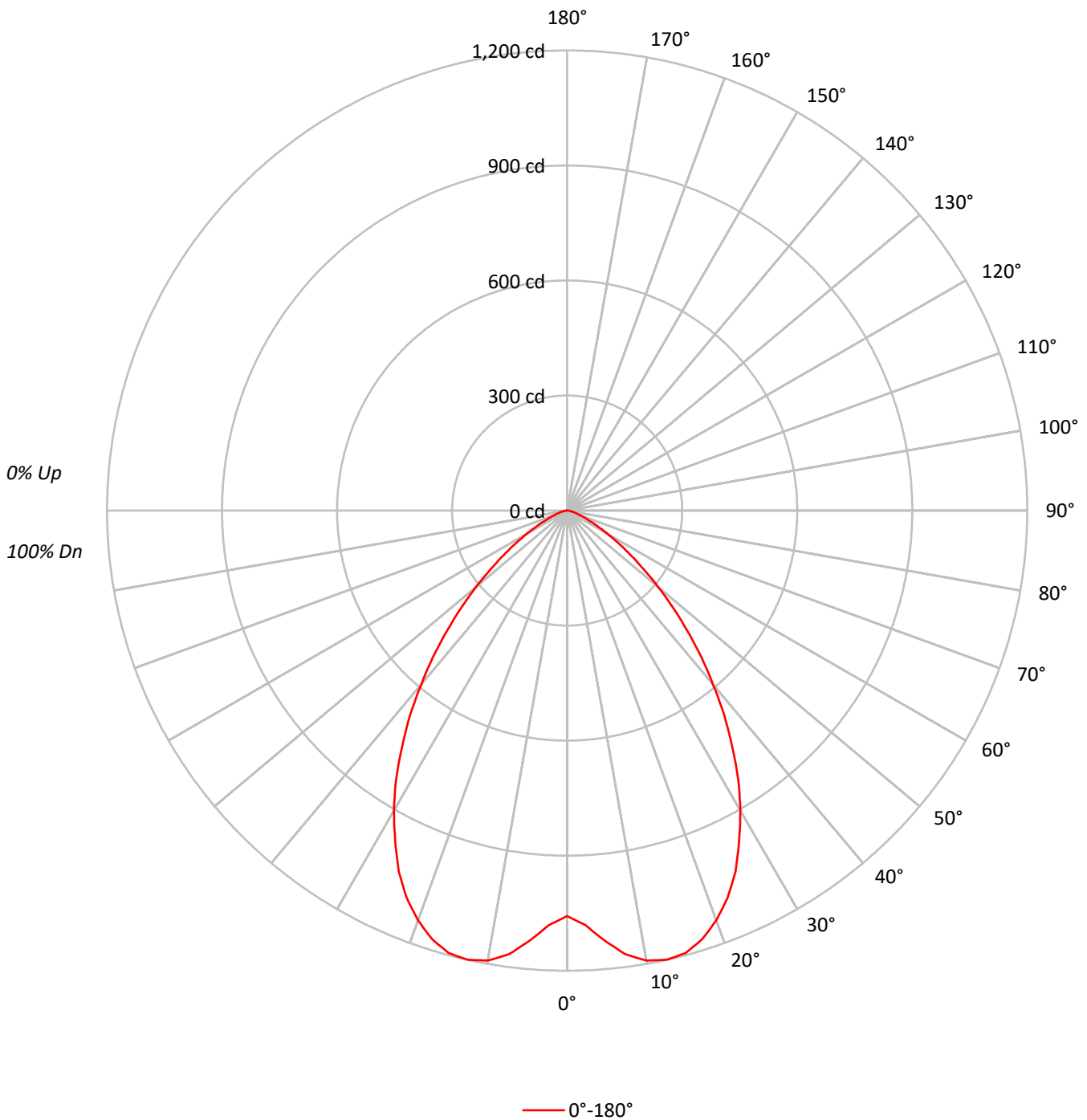
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	75697
5°	80910
10°	86622
15°	88523
20°	86636
25°	82046
30°	74692
35°	65514
40°	55325
45°	44737
50°	34487
55°	25179
60°	17328
65°	11436
70°	7453
75°	5450
80°	4659
85°	5422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	5.4
10°-20°	334.4	16.6
20°-30°	473.8	23.6
30°-40°	467.3	23.2
40°-50°	342.5	17.0
50°-60°	183.6	9.1
60°-70°	70.6	3.5
70°-80°	22.5	1.1
80°-90°	6.7	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°	917.8	45.6
0°-40°	1385.1	68.9
0°-60°	1911.3	95.0
0°-90°	2011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1057	
5°	1126	110
15°	1194	334
25°	1038	474
35°	750	467
45°	442	343
55°	202	184
65°	68	71
75°	20	22
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1057.2
2.5°	1081.6
5°	1125.7
7.5°	1167.0
10°	1191.4
12.5°	1199.8
15°	1194.2
17.5°	1171.7
20°	1137.0
22.5°	1092.9
25°	1038.5
27.5°	970.9
30°	903.4
32.5°	830.2
35°	749.5
37.5°	672.6
40°	591.9
42.5°	517.8
45°	441.8
47.5°	374.3
50°	309.6
52.5°	251.4
55°	201.7
57.5°	157.6
60°	121.0
62.5°	91.0
65°	67.5
67.5°	49.7
70°	35.6
72.5°	27.2
75°	19.7
77.5°	15.0
80°	11.3
82.5°	8.4
85°	6.6
87.5°	3.8
90°	0.0

(END OF REPORT)