

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: P365459

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
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-MW-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1675.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

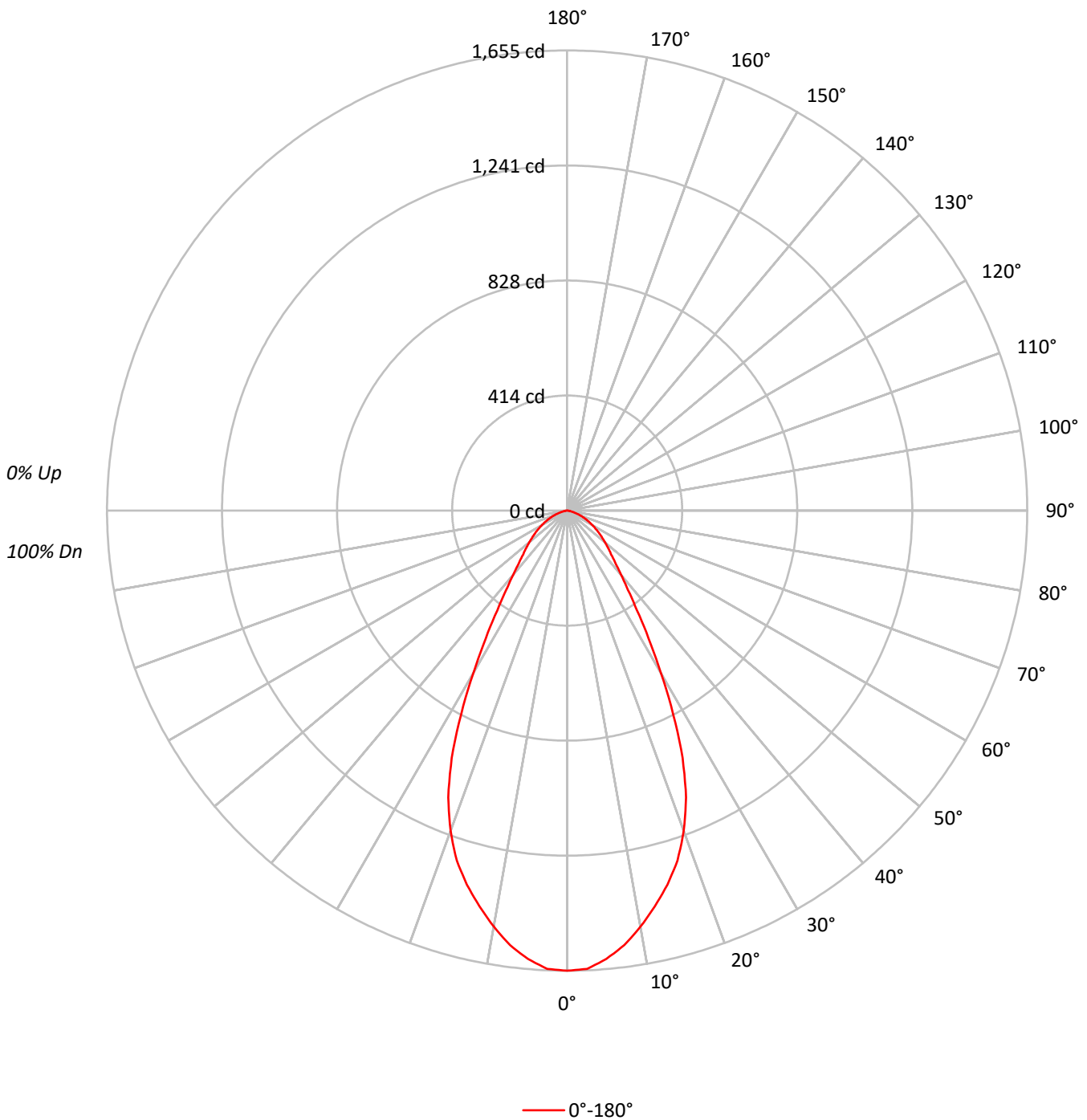
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

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

	0°
0°	118480
5°	116323
10°	110470
15°	103260
20°	93441
25°	77598
30°	55676
35°	38216
40°	28125
45°	22733
50°	19761
55°	17377
60°	15022
65°	12792
70°	10049
75°	7055
80°	4453
85°	4847



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	9.0
10°-20°	388.7	23.2
20°-30°	440.9	26.3
30°-40°	282.6	16.9
40°-50°	177.1	10.6
50°-60°	124.9	7.5
60°-70°	75.1	4.5
70°-80°	28.6	1.7
80°-90°	5.7	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°	981.0	58.6
0°-40°	1263.5	75.4
0°-60°	1565.6	93.5
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1655	
5°	1618	151
15°	1393	389
25°	982	441
35°	437	283
45°	224	177
55°	139	125
65°	76	75
75°	26	29
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1654.7
2.5°	1649.8
5°	1618.4
7.5°	1576.3
10°	1519.4
12.5°	1457.7
15°	1393.0
17.5°	1319.5
20°	1226.3
22.5°	1117.5
25°	982.2
27.5°	826.4
30°	673.4
32.5°	544.1
35°	437.2
37.5°	359.8
40°	300.9
42.5°	257.8
45°	224.5
47.5°	200.0
50°	177.4
52.5°	157.8
55°	139.2
57.5°	121.6
60°	104.9
62.5°	90.2
65°	75.5
67.5°	61.8
70°	48.0
72.5°	36.3
75°	25.5
77.5°	17.6
80°	10.8
82.5°	6.9
85°	5.9
87.5°	2.9
90°	0.0

(END OF REPORT)