

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: P365517

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
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-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1841.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 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

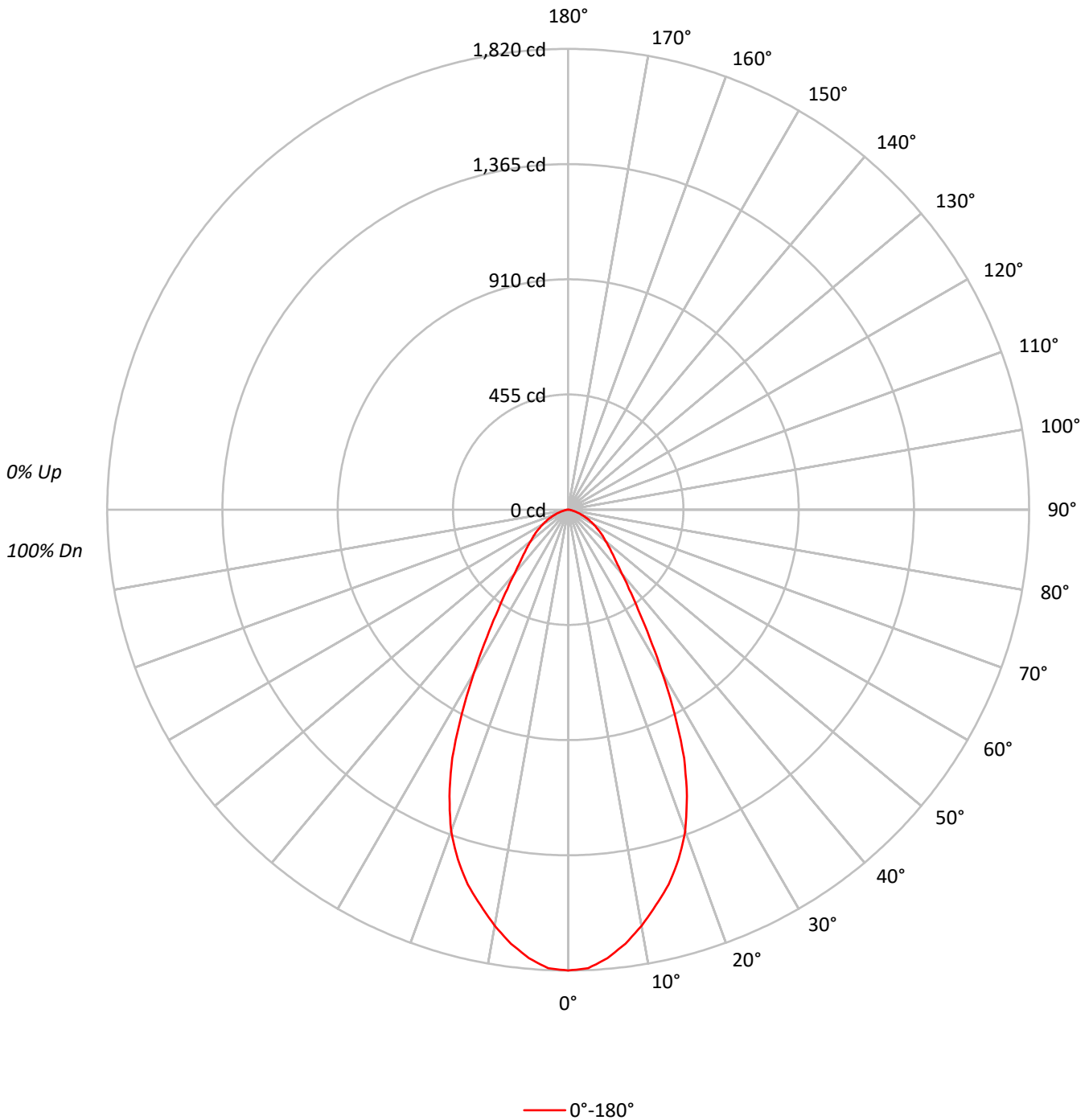
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	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	85	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°	130308
5°	127758
10°	121332
15°	113586
20°	102958
25°	85498
30°	61331
35°	42053
40°	30845
45°	25042
50°	21554
55°	19112
60°	16597
65°	14028
70°	11054
75°	8023
80°	5113
85°	5915



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.2	9.0
10°-20°	427.1	23.2
20°-30°	484.9	26.3
30°-40°	310.4	16.9
40°-50°	193.9	10.5
50°-60°	137.3	7.5
60°-70°	82.2	4.5
70°-80°	32.0	1.7
80°-90°	7.0	0.4
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°	1078.3	58.6
0°-40°	1388.6	75.4
0°-60°	1719.8	93.4
0°-90°	1841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1841.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1820	
5°	1778	166
15°	1532	427
25°	1082	485
35°	481	310
45°	247	194
55°	153	137
65°	83	82
75°	29	32
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1819.9
2.5°	1812.6
5°	1777.5
7.5°	1728.8
10°	1668.8
12.5°	1599.5
15°	1532.3
17.5°	1448.4
20°	1351.2
22.5°	1225.0
25°	1082.2
27.5°	909.4
30°	741.8
32.5°	595.9
35°	481.1
37.5°	395.2
40°	330.0
42.5°	281.4
45°	247.3
47.5°	218.3
50°	193.5
52.5°	173.8
55°	153.1
57.5°	133.5
60°	115.9
62.5°	98.3
65°	82.8
67.5°	67.2
70°	52.8
72.5°	40.3
75°	29.0
77.5°	19.7
80°	12.4
82.5°	8.3
85°	7.2
87.5°	4.1
90°	0.0

(END OF REPORT)