

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: P366197

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2142.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

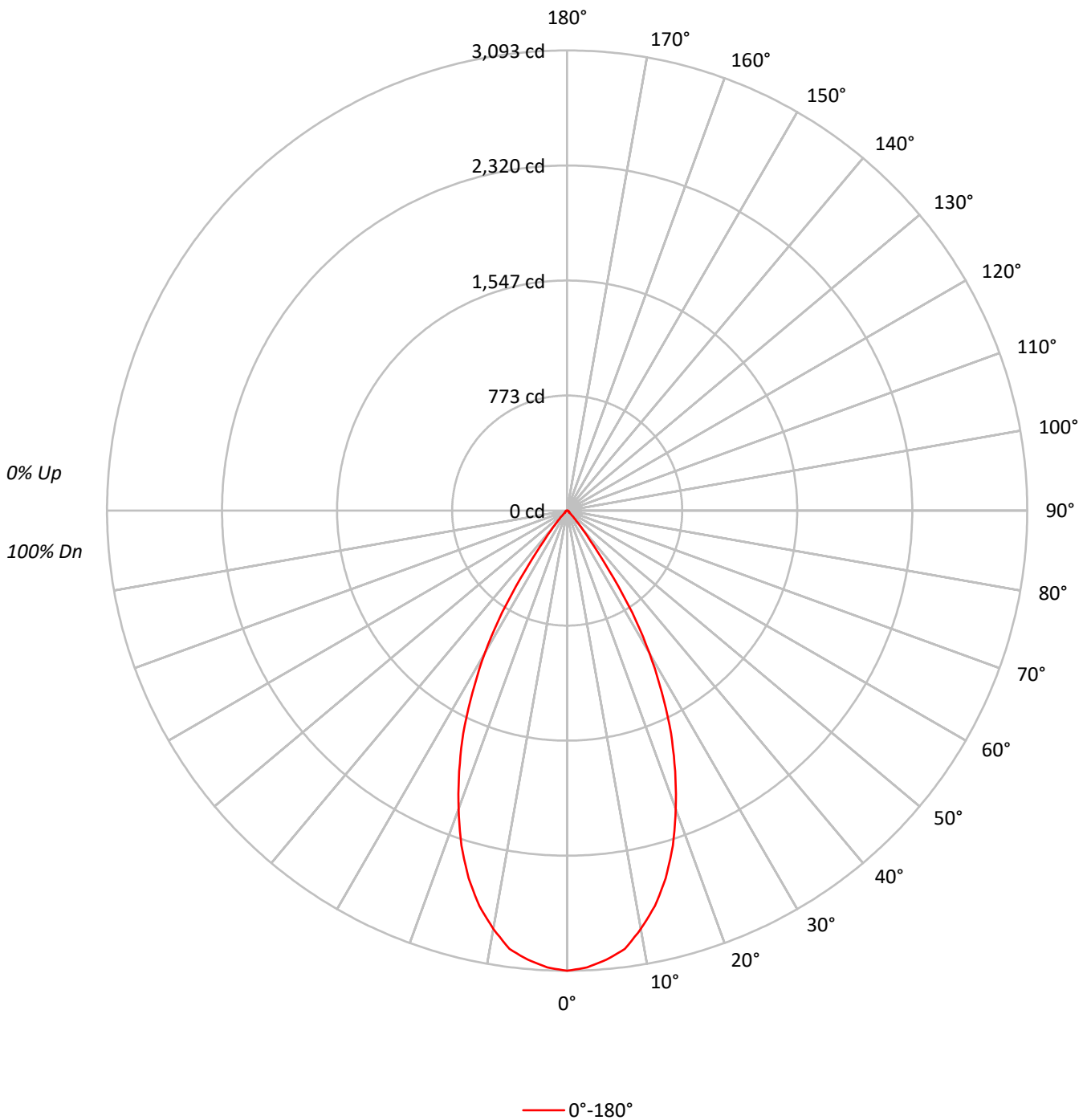
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	221457
5°	217811
10°	207540
15°	189648
20°	162635
25°	130491
30°	91492
35°	42271
40°	13572
45°	4385
50°	2038
55°	1798
60°	1790
65°	1626
70°	1612
75°	1854
80°	2392
85°	3943



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.2	13.3
10°-20°	708.0	33.1
20°-30°	743.5	34.7
30°-40°	329.9	15.4
40°-50°	42.6	2.0
50°-60°	13.3	0.6
60°-70°	9.4	0.4
70°-80°	6.9	0.3
80°-90°	4.2	0.2
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°	1735.7	81.0
0°-40°	2065.6	96.4
0°-60°	2121.6	99.0
0°-90°	2142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3093	
5°	3030	284
15°	2558	708
25°	1652	743
35°	484	330
45°	43	43
55°	14	13
65°	10	9
75°	7	7
85°	5	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3092.9
2.5°	3073.7
5°	3030.4
7.5°	2971.8
10°	2854.5
12.5°	2722.8
15°	2558.4
17.5°	2361.3
20°	2134.4
22.5°	1895.9
25°	1651.7
27.5°	1377.7
30°	1106.6
32.5°	813.4
35°	483.6
37.5°	257.7
40°	145.2
42.5°	79.8
45°	43.3
47.5°	22.1
50°	18.3
52.5°	16.3
55°	14.4
57.5°	13.5
60°	12.5
62.5°	10.6
65°	9.6
67.5°	7.7
70°	7.7
72.5°	6.7
75°	6.7
77.5°	5.8
80°	5.8
82.5°	4.8
85°	4.8
87.5°	2.9
90°	0.0

(END OF REPORT)