

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: P366181

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
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-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2108.0 lumens  
Efficiency: N/A  
Efficacy: 78.1 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

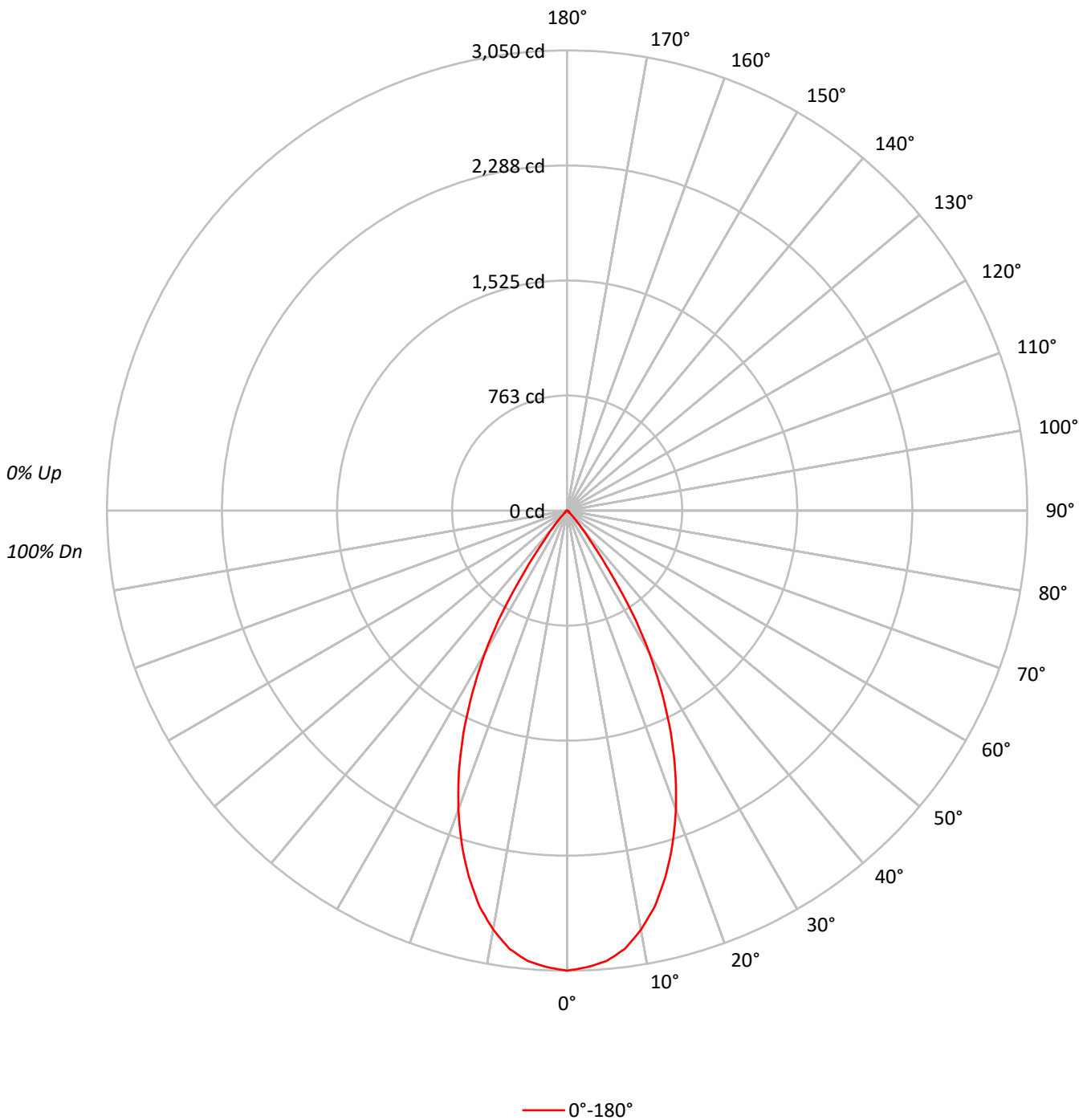
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	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		74	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	65	61	78	70	64	61	69	64	61		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°	218357
5°	215410
10°	205039
15°	186394
20°	160509
25°	128310
30°	89971
35°	41852
40°	13226
45°	4131
50°	1816
55°	1698
60°	1561
65°	1389
70°	1528
75°	1743
80°	2227
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.5	13.3
10°-20°	697.2	33.1
20°-30°	733.0	34.8
30°-40°	325.2	15.4
40°-50°	40.7	1.9
50°-60°	12.2	0.6
60°-70°	8.6	0.4
70°-80°	6.7	0.3
80°-90°	3.9	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°	1710.8	81.2
0°-40°	2036.0	96.6
0°-60°	2088.8	99.1
0°-90°	2108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3050	
5°	2997	281
15°	2514	697
25°	1624	733
35°	479	325
45°	41	41
55°	14	12
65°	8	9
75°	6	7
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3049.6
2.5°	3029.6
5°	2997.0
7.5°	2929.9
10°	2820.1
12.5°	2685.9
15°	2514.5
17.5°	2321.4
20°	2106.5
22.5°	1873.4
25°	1624.1
27.5°	1359.3
30°	1088.2
32.5°	800.7
35°	478.8
37.5°	254.8
40°	141.5
42.5°	77.1
45°	40.8
47.5°	19.9
50°	16.3
52.5°	14.5
55°	13.6
57.5°	12.7
60°	10.9
62.5°	10.0
65°	8.2
67.5°	7.3
70°	7.3
72.5°	6.3
75°	6.3
77.5°	6.3
80°	5.4
82.5°	4.5
85°	4.5
87.5°	2.7
90°	0.0

(END OF REPORT)