

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: P366140

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366140  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1525.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

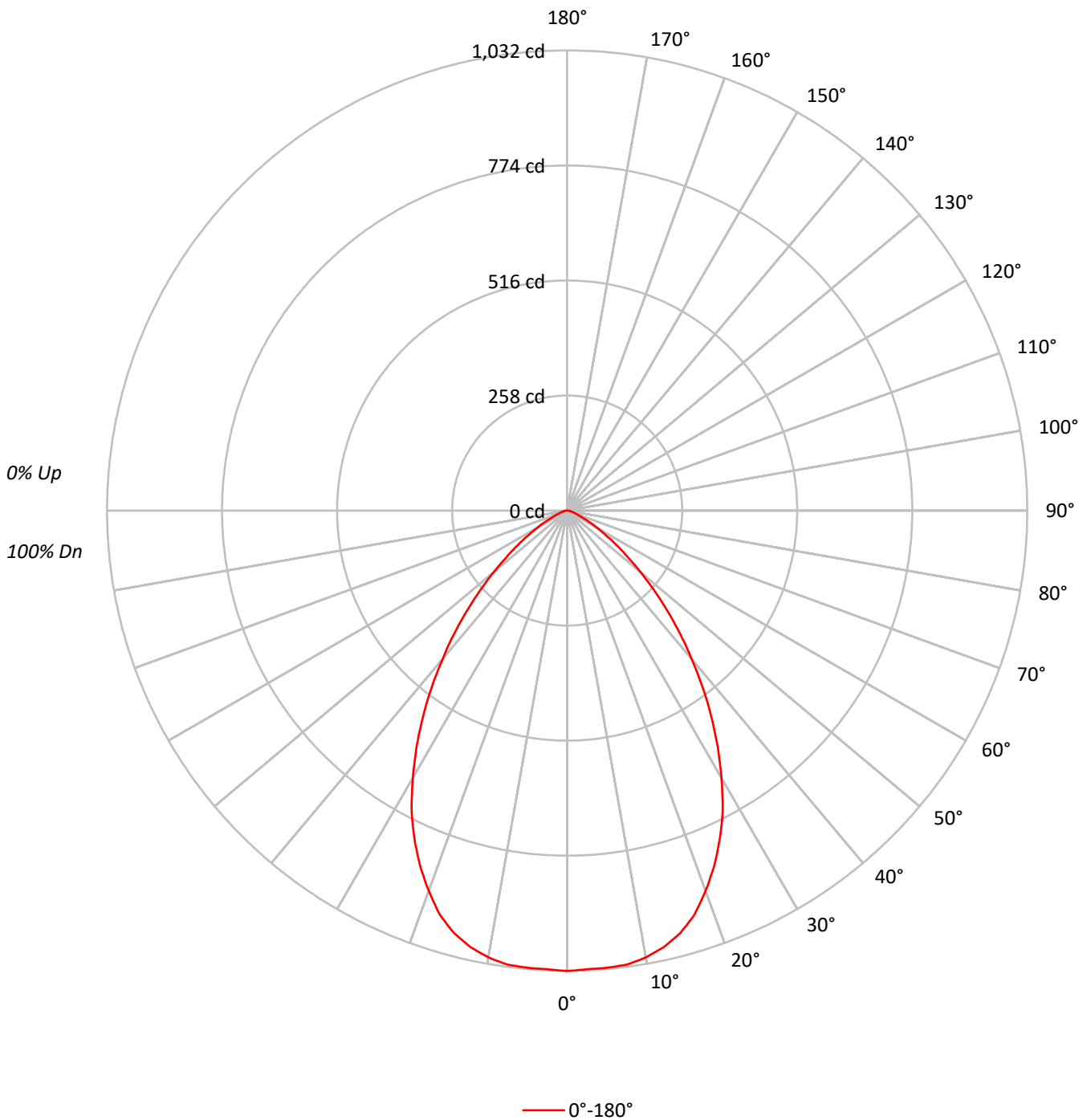
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	73929
5°	73960
10°	73986
15°	72697
20°	69156
25°	64072
30°	57189
35°	49220
40°	40622
45°	32140
50°	23894
55°	16840
60°	11184
65°	6862
70°	4459
75°	3347
80°	2928
85°	3533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	6.4
10°-20°	274.6	18.0
20°-30°	370.7	24.3
30°-40°	350.7	23.0
40°-50°	245.8	16.1
50°-60°	123.7	8.1
60°-70°	43.7	2.9
70°-80°	13.6	0.9
80°-90°	4.3	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°	743.1	48.7
0°-40°	1093.9	71.7
0°-60°	1463.4	96.0
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1032	
5°	1029	98
15°	981	275
25°	811	371
35°	563	351
45°	317	246
55°	135	124
65°	40	44
75°	12	14
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1032.5
2.5°	1029.7
5°	1029.0
7.5°	1026.9
10°	1017.6
12.5°	1002.7
15°	980.7
17.5°	950.2
20°	907.6
22.5°	862.1
25°	811.0
27.5°	755.6
30°	691.7
32.5°	628.5
35°	563.1
37.5°	498.5
40°	434.6
42.5°	375.7
45°	317.4
47.5°	264.2
50°	214.5
52.5°	171.9
55°	134.9
57.5°	103.7
60°	78.1
62.5°	57.5
65°	40.5
67.5°	29.8
70°	21.3
72.5°	16.3
75°	12.1
77.5°	9.2
80°	7.1
82.5°	5.7
85°	4.3
87.5°	2.1
90°	0.0

(END OF REPORT)