

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: P366086

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366086  
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-FEU6B12-8030-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: 1445.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 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

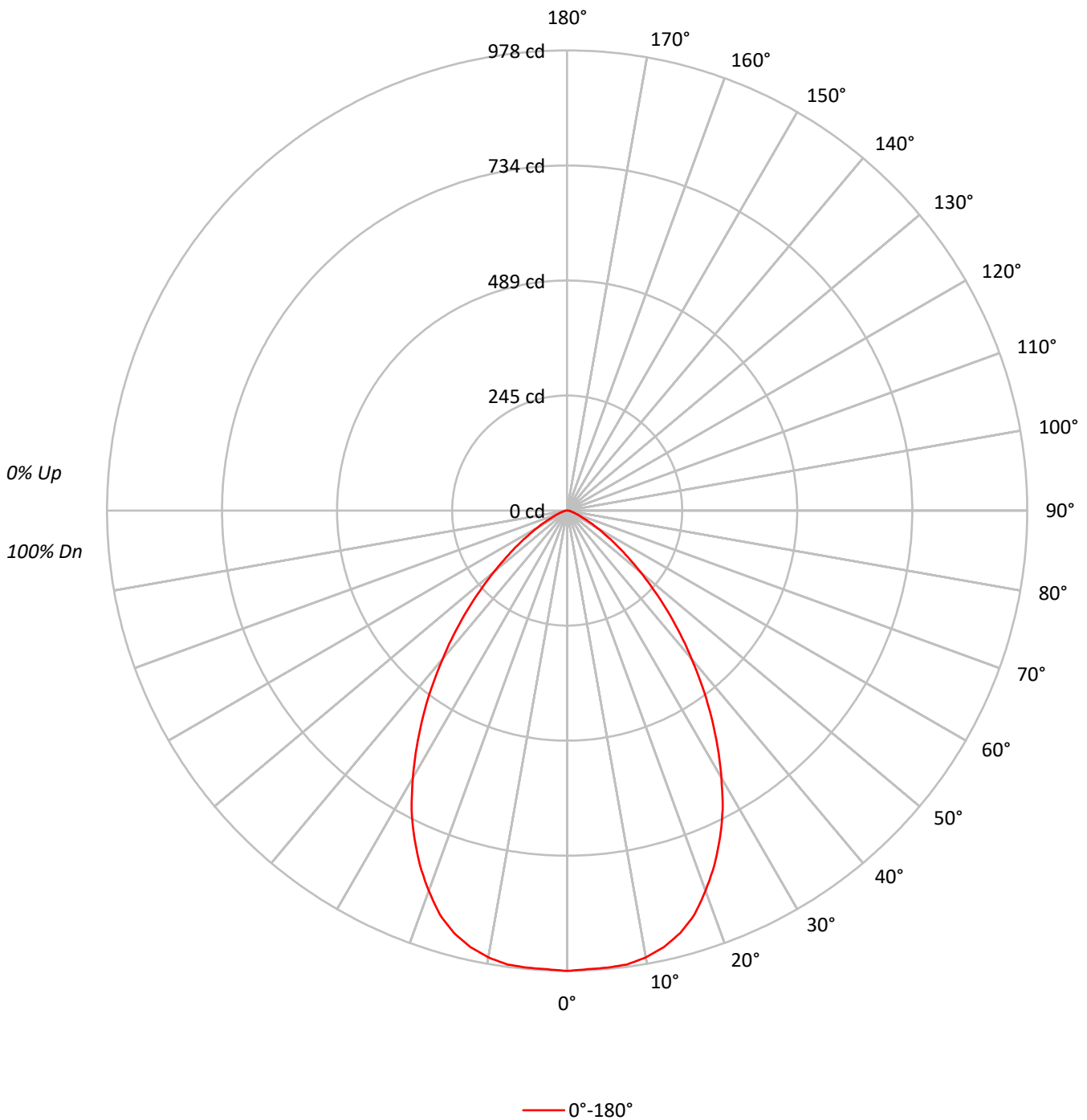
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	70055
5°	70078
10°	70104
15°	68887
20°	65530
25°	60707
30°	54188
35°	46642
40°	38491
45°	30459
50°	22635
55°	15954
60°	10597
65°	6506
70°	4229
75°	3154
80°	2763
85°	3286



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	6.4
10°-20°	260.1	18.0
20°-30°	351.2	24.3
30°-40°	332.3	23.0
40°-50°	232.9	16.1
50°-60°	117.2	8.1
60°-70°	41.4	2.9
70°-80°	12.9	0.9
80°-90°	4.0	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°	704.2	48.7
0°-40°	1036.5	71.7
0°-60°	1386.6	96.0
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	978	
5°	975	93
15°	929	260
25°	768	351
35°	534	332
45°	301	233
55°	128	117
65°	38	41
75°	11	13
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	978.4
2.5°	975.7
5°	975.0
7.5°	973.0
10°	964.2
12.5°	950.1
15°	929.3
17.5°	900.3
20°	860.0
22.5°	816.9
25°	768.4
27.5°	716.0
30°	655.4
32.5°	595.5
35°	533.6
37.5°	472.4
40°	411.8
42.5°	356.0
45°	300.8
47.5°	250.3
50°	203.2
52.5°	162.8
55°	127.8
57.5°	98.2
60°	74.0
62.5°	54.5
65°	38.4
67.5°	28.3
70°	20.2
72.5°	15.5
75°	11.4
77.5°	8.7
80°	6.7
82.5°	5.4
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)