

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: P366103

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366103  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1471.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

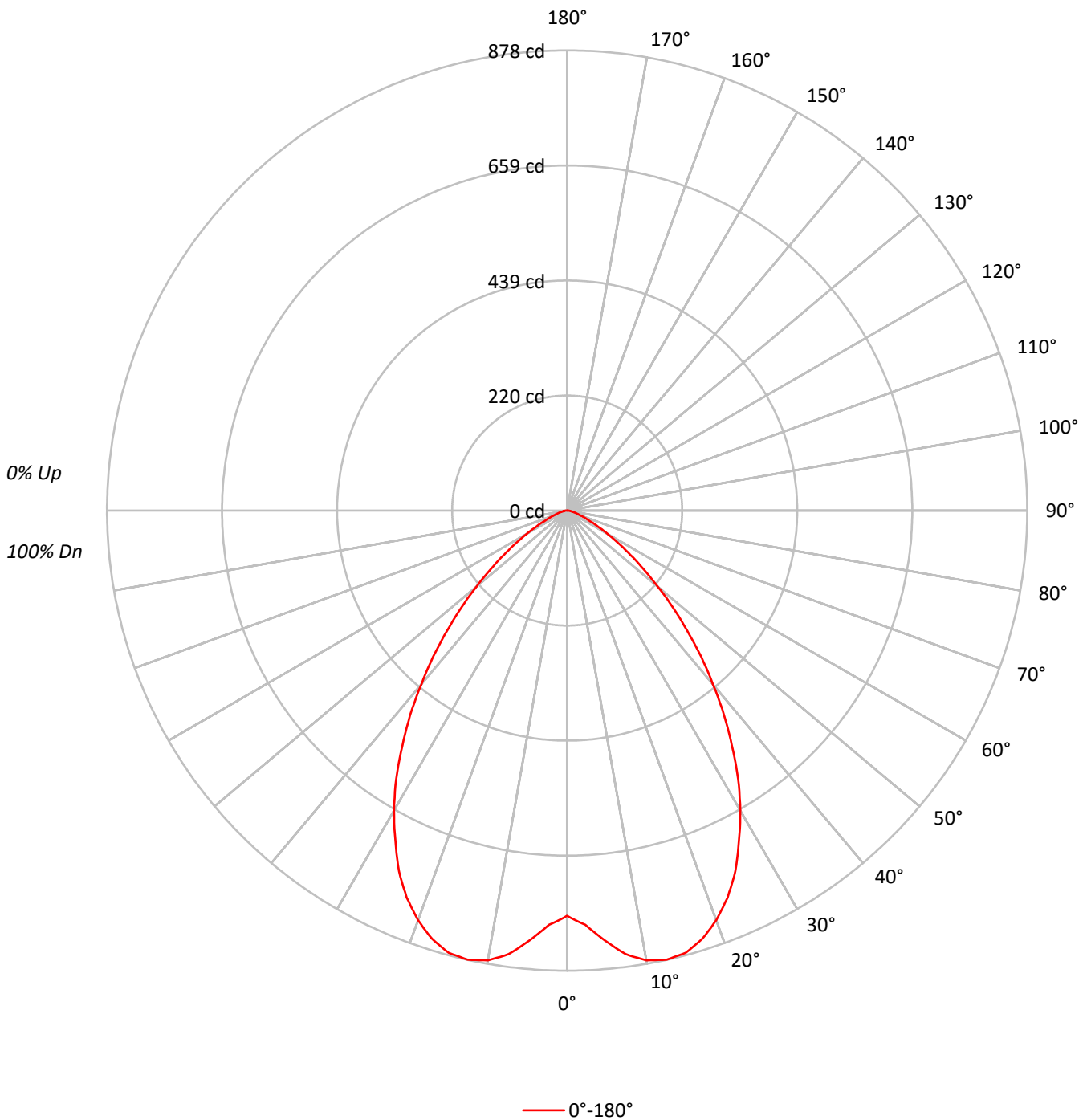
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	55370
5°	59182
10°	63364
15°	64751
20°	63373
25°	60011
30°	54634
35°	47927
40°	40472
45°	32727
50°	25219
55°	18413
60°	12674
65°	8370
70°	5464
75°	3984
80°	3381
85°	3943



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.1	5.4
10°-20°	244.6	16.6
20°-30°	346.6	23.6
30°-40°	341.8	23.2
40°-50°	250.6	17.0
50°-60°	134.3	9.1
60°-70°	51.6	3.5
70°-80°	16.4	1.1
80°-90°	4.8	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°	671.3	45.6
0°-40°	1013.2	68.9
0°-60°	1398.1	95.0
0°-90°	1471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	773	
5°	823	80
15°	874	245
25°	760	347
35°	548	342
45°	323	251
55°	148	134
65°	49	52
75°	14	16
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	773.3
2.5°	791.2
5°	823.4
7.5°	853.6
10°	871.5
12.5°	877.6
15°	873.5
17.5°	857.1
20°	831.7
22.5°	799.4
25°	759.6
27.5°	710.2
30°	660.8
32.5°	607.3
35°	548.3
37.5°	492.0
40°	433.0
42.5°	378.8
45°	323.2
47.5°	273.8
50°	226.4
52.5°	183.9
55°	147.5
57.5°	115.3
60°	88.5
62.5°	66.6
65°	49.4
67.5°	36.4
70°	26.1
72.5°	19.9
75°	14.4
77.5°	11.0
80°	8.2
82.5°	6.2
85°	4.8
87.5°	2.7
90°	0.0

(END OF REPORT)