

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: P366138

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
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-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1609.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

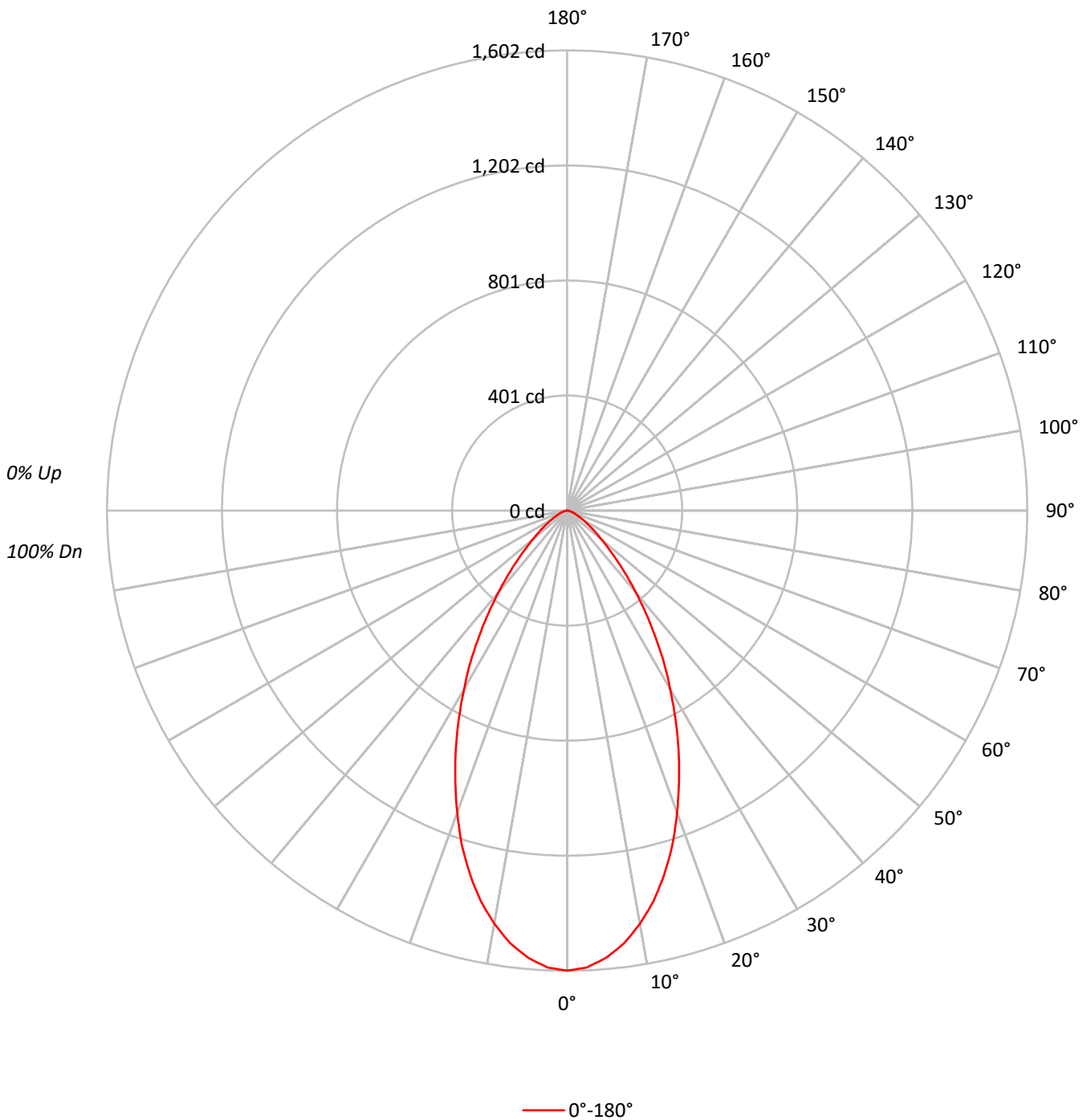
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	114678
5°	112305
10°	106173
15°	97041
20°	85249
25°	72462
30°	59281
35°	46668
40°	34771
45°	24657
50°	17400
55°	12496
60°	8950
65°	6489
70°	5045
75°	4122
80°	3505
85°	3533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	9.1
10°-20°	364.3	22.6
20°-30°	419.0	26.0
30°-40°	334.3	20.8
40°-50°	192.7	12.0
50°-60°	91.9	5.7
60°-70°	39.7	2.5
70°-80°	16.3	1.0
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°	929.2	57.7
0°-40°	1263.5	78.5
0°-60°	1548.1	96.2
0°-90°	1609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1602	
5°	1562	146
15°	1309	364
25°	917	419
35°	534	334
45°	244	193
55°	100	92
65°	38	40
75°	15	16
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1601.6
2.5°	1591.6
5°	1562.5
7.5°	1519.2
10°	1460.3
12.5°	1391.4
15°	1309.1
17.5°	1219.6
20°	1118.8
22.5°	1017.3
25°	917.2
27.5°	815.7
30°	717.0
32.5°	626.8
35°	533.9
37.5°	450.8
40°	372.0
42.5°	304.6
45°	243.5
47.5°	195.2
50°	156.2
52.5°	124.9
55°	100.1
57.5°	78.8
60°	62.5
62.5°	49.0
65°	38.3
67.5°	30.5
70°	24.1
72.5°	19.2
75°	14.9
77.5°	11.4
80°	8.5
82.5°	6.4
85°	4.3
87.5°	2.8
90°	0.0

(END OF REPORT)