

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: P366127

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366127  
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: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1491.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

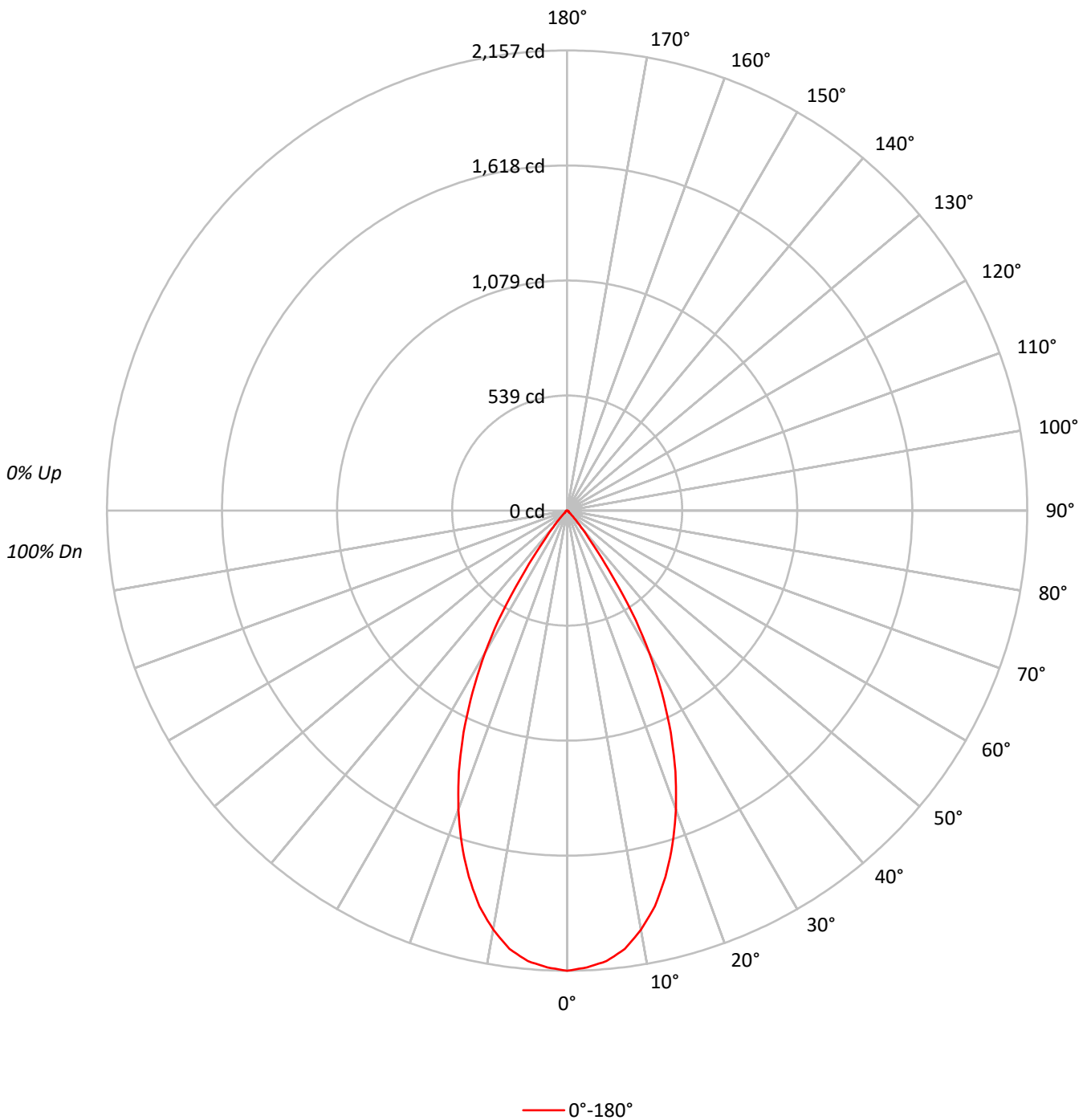
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	154445
5°	152361
10°	145028
15°	131844
20°	113526
25°	90752
30°	63638
35°	29597
40°	9356
45°	2926
50°	1281
55°	1198
60°	1103
65°	983
70°	1068
75°	1245
80°	1567
85°	2629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.4	13.3
10°-20°	493.2	33.1
20°-30°	518.5	34.8
30°-40°	230.0	15.4
40°-50°	28.8	1.9
50°-60°	8.6	0.6
60°-70°	6.0	0.4
70°-80°	4.7	0.3
80°-90°	2.8	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
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0°-30°	1210.0	81.2
0°-40°	1440.0	96.6
0°-60°	1477.4	99.1
0°-90°	1491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2157	
5°	2120	198
15°	1779	493
25°	1149	518
35°	339	230
45°	29	29
55°	10	9
65°	6	6
75°	4	5
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2157.0
2.5°	2142.9
5°	2119.8
7.5°	2072.3
10°	1994.7
12.5°	1899.8
15°	1778.6
17.5°	1641.9
20°	1489.9
22.5°	1325.1
25°	1148.7
27.5°	961.4
30°	769.7
32.5°	566.3
35°	338.6
37.5°	180.2
40°	100.1
42.5°	54.5
45°	28.9
47.5°	14.1
50°	11.5
52.5°	10.3
55°	9.6
57.5°	9.0
60°	7.7
62.5°	7.1
65°	5.8
67.5°	5.1
70°	5.1
72.5°	4.5
75°	4.5
77.5°	4.5
80°	3.8
82.5°	3.2
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)