

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: P366147

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1608.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 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

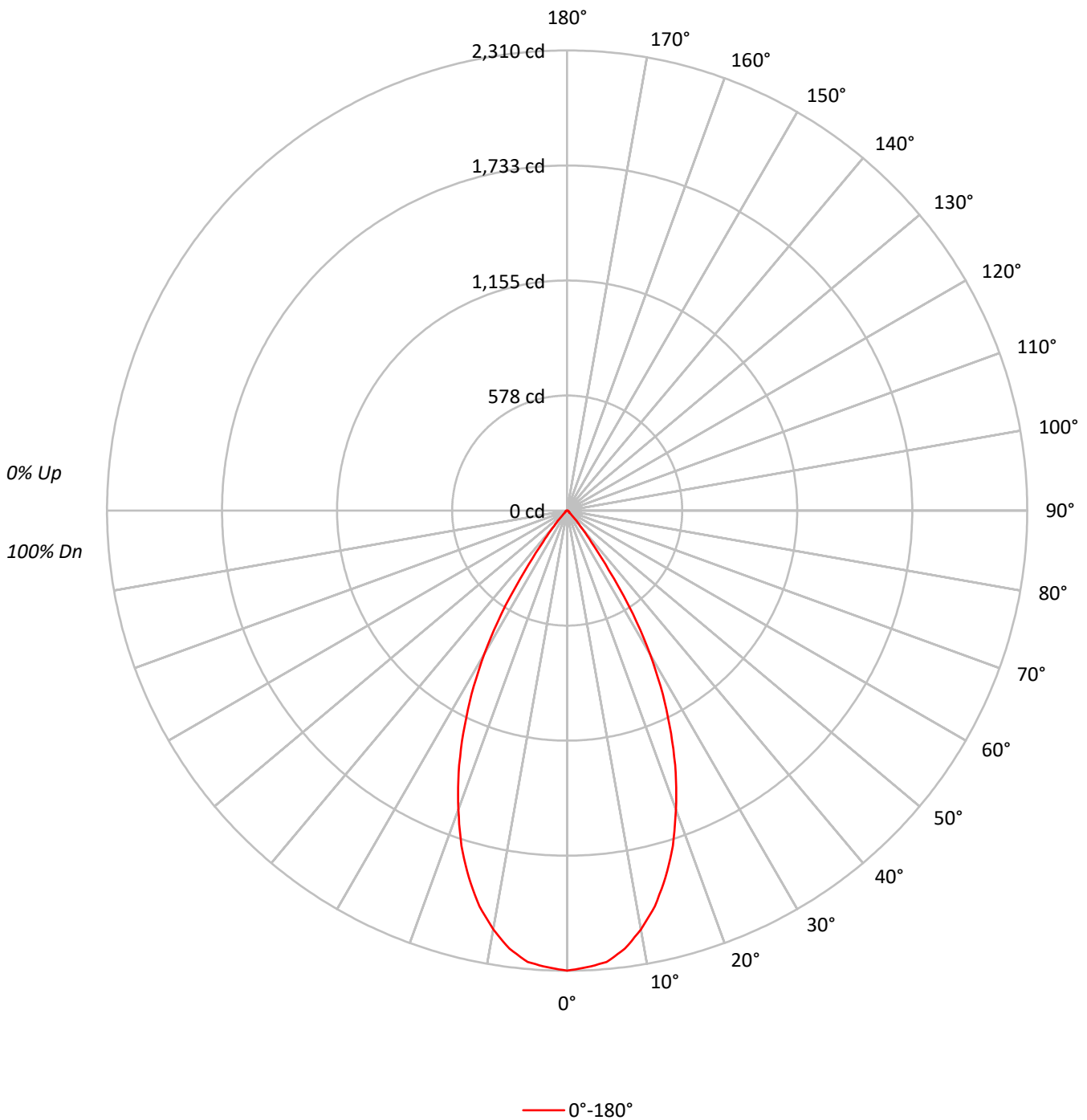
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	165364
5°	163495
10°	155214
15°	141347
20°	121649
25°	97459
30°	68756
35°	31843
40°	10356
45°	3311
50°	1582
55°	1423
60°	1317
65°	1203
70°	1193
75°	1577
80°	1773
85°	2958



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.6	13.2
10°-20°	528.8	32.9
20°-30°	558.1	34.7
30°-40°	249.7	15.5
40°-50°	32.7	2.0
50°-60°	10.1	0.6
60°-70°	7.1	0.4
70°-80°	5.7	0.4
80°-90°	3.3	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
0°-30°	1299.5	80.8
0°-40°	1549.2	96.3
0°-60°	1592.0	99.0
0°-90°	1608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1608.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2310	
5°	2275	213
15°	1907	529
25°	1234	558
35°	364	250
45°	33	33
55°	11	10
65°	7	7
75°	6	6
85°	4	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2309.5
2.5°	2294.6
5°	2274.7
7.5°	2218.6
10°	2134.8
12.5°	2034.7
15°	1906.8
17.5°	1764.8
20°	1596.5
22.5°	1425.3
25°	1233.6
27.5°	1039.7
30°	831.6
32.5°	616.4
35°	364.3
37.5°	198.1
40°	110.8
42.5°	61.8
45°	32.7
47.5°	17.0
50°	14.2
52.5°	12.1
55°	11.4
57.5°	9.9
60°	9.2
62.5°	7.8
65°	7.1
67.5°	6.4
70°	5.7
72.5°	5.7
75°	5.7
77.5°	5.0
80°	4.3
82.5°	4.3
85°	3.6
87.5°	2.1
90°	0.0

(END OF REPORT)