

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: P366075

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366075  
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-FEU6B12-8027-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: 1457.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 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

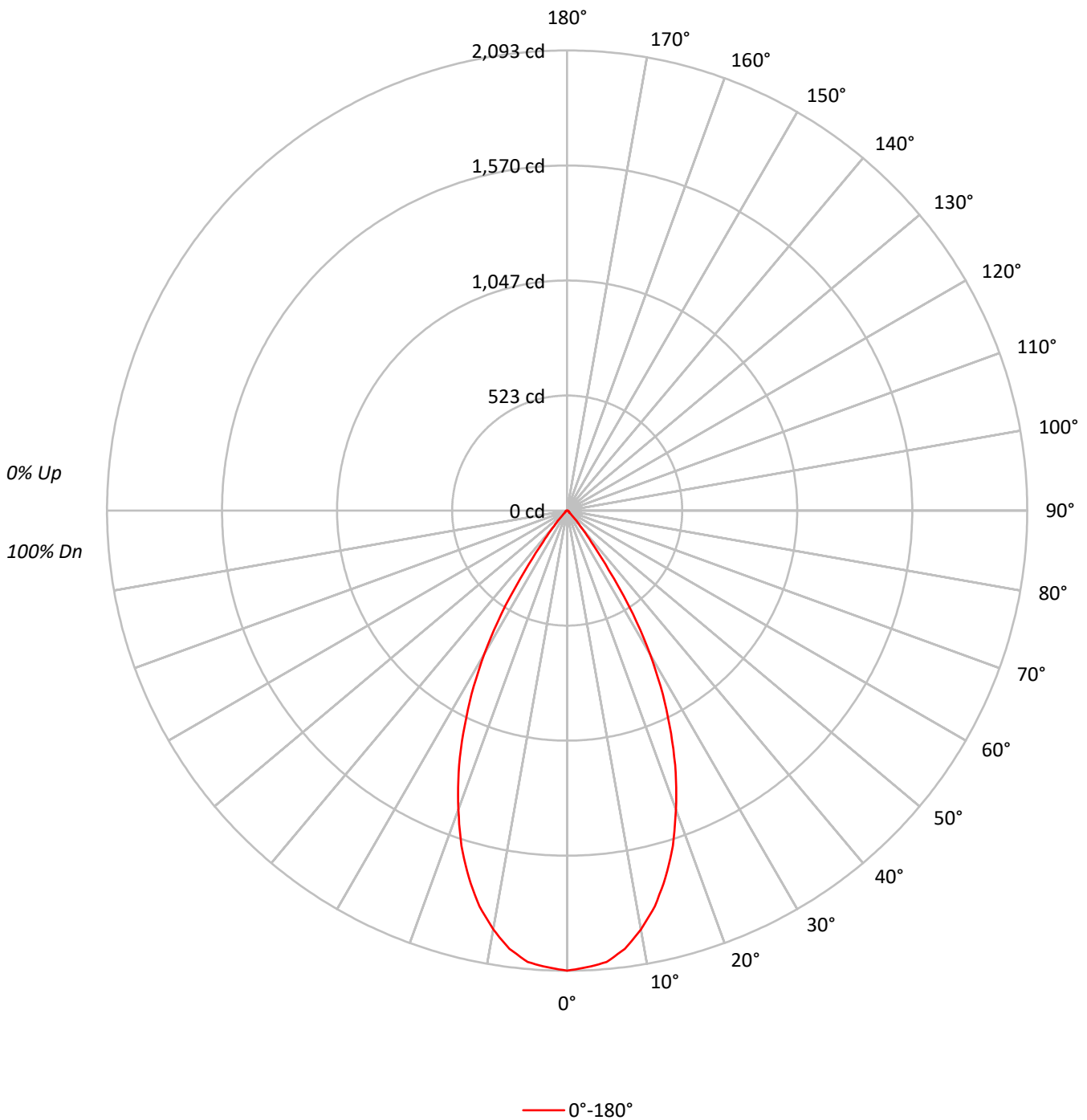
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	149834
5°	148142
10°	140636
15°	128078
20°	110227
25°	88303
30°	62298
35°	28854
40°	9384
45°	2997
50°	1437
55°	1286
60°	1203
65°	1084
70°	1068
75°	1411
80°	1608
85°	2629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.6	13.2
10°-20°	479.2	32.9
20°-30°	505.7	34.7
30°-40°	226.3	15.5
40°-50°	29.6	2.0
50°-60°	9.1	0.6
60°-70°	6.4	0.4
70°-80°	5.1	0.3
80°-90°	3.0	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°	1177.4	80.8
0°-40°	1403.7	96.3
0°-60°	1442.5	99.0
0°-90°	1457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1457.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2093	
5°	2061	193
15°	1728	479
25°	1118	506
35°	330	226
45°	30	30
55°	10	9
65°	6	6
75°	5	5
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2092.6
2.5°	2079.1
5°	2061.1
7.5°	2010.3
10°	1934.3
12.5°	1843.6
15°	1727.8
17.5°	1599.1
20°	1446.6
22.5°	1291.5
25°	1117.7
27.5°	942.1
30°	753.5
32.5°	558.5
35°	330.1
37.5°	179.5
40°	100.4
42.5°	56.0
45°	29.6
47.5°	15.4
50°	12.9
52.5°	10.9
55°	10.3
57.5°	9.0
60°	8.4
62.5°	7.1
65°	6.4
67.5°	5.8
70°	5.1
72.5°	5.1
75°	5.1
77.5°	4.5
80°	3.9
82.5°	3.9
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)