

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: P364688

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364688  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
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-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1644.0 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

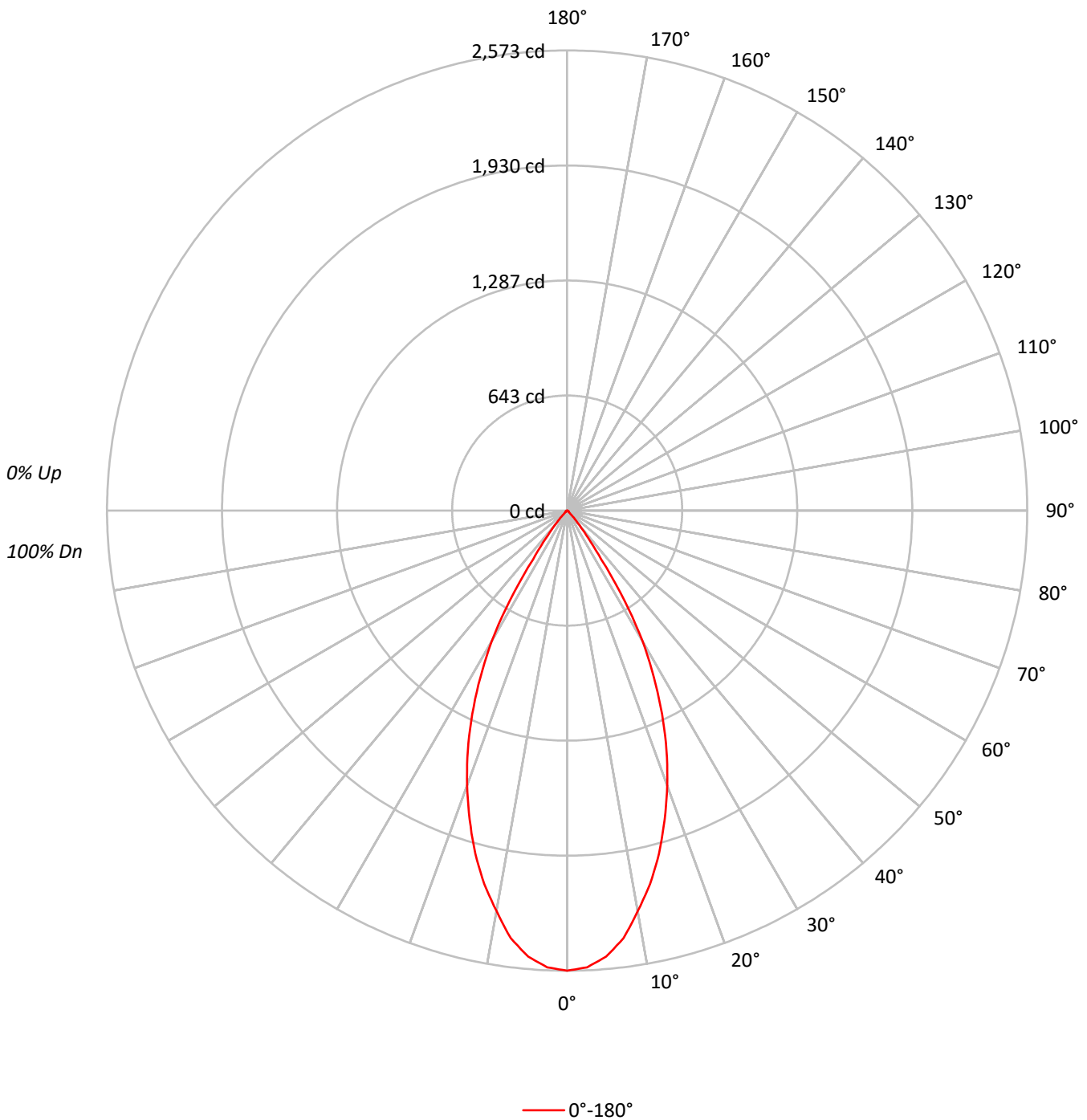
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	184210
5°	179933
10°	165378
15°	147181
20°	124666
25°	99134
30°	69698
35°	29090
40°	10048
45°	2602
50°	1314
55°	1211
60°	1189
65°	1169
70°	1151
75°	1522
80°	1732
85°	2875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.8	14.1
10°-20°	550.0	33.5
20°-30°	567.5	34.5
30°-40°	241.4	14.7
40°-50°	29.0	1.8
50°-60°	8.8	0.5
60°-70°	6.8	0.4
70°-80°	5.5	0.3
80°-90°	3.2	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°	1349.3	82.1
0°-40°	1590.7	96.8
0°-60°	1628.4	99.1
0°-90°	1644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2573	
5°	2503	232
15°	1986	550
25°	1255	568
35°	333	241
45°	26	29
55°	10	9
65°	7	7
75°	6	5
85°	4	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2572.7
2.5°	2556.1
5°	2503.4
7.5°	2411.9
10°	2274.6
12.5°	2139.4
15°	1985.5
17.5°	1812.2
20°	1636.1
22.5°	1452.4
25°	1254.8
27.5°	1051.0
30°	843.0
32.5°	597.6
35°	332.8
37.5°	191.3
40°	107.5
42.5°	55.5
45°	25.7
47.5°	13.9
50°	11.8
52.5°	10.4
55°	9.7
57.5°	9.0
60°	8.3
62.5°	7.6
65°	6.9
67.5°	6.2
70°	5.5
72.5°	5.5
75°	5.5
77.5°	4.9
80°	4.2
82.5°	4.2
85°	3.5
87.5°	2.1
90°	0.0

(END OF REPORT)