

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: P364651

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364651  
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-FEU6B12-8030-F6LBXVM1-LI-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1475.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 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

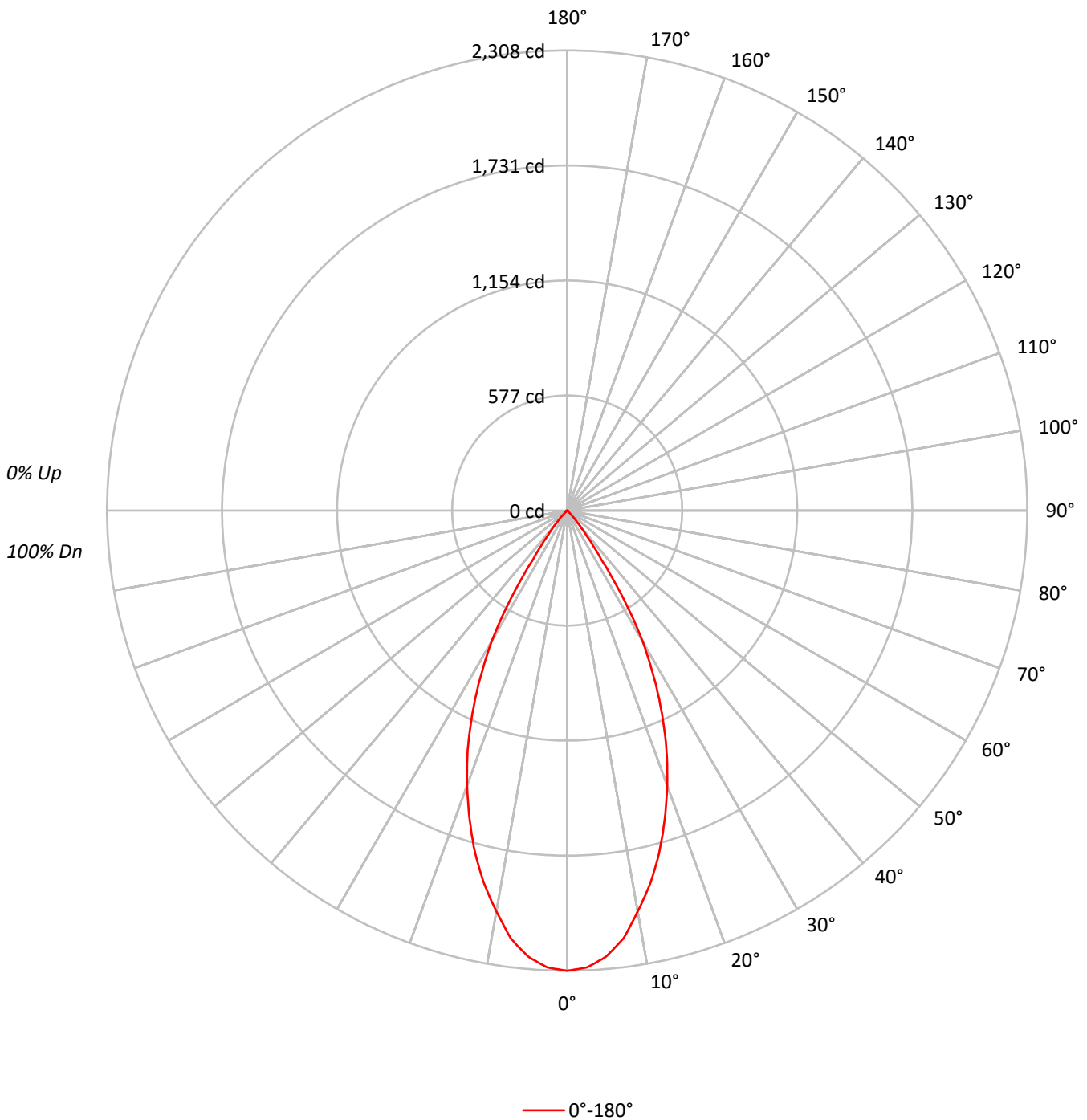
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	165279
5°	161439
10°	148379
15°	132051
20°	111850
25°	88943
30°	62538
35°	26101
40°	9010
45°	2329
50°	1181
55°	1086
60°	1074
65°	1050
70°	1047
75°	1383
80°	1526
85°	2547



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.9	14.1
10°-20°	493.5	33.5
20°-30°	509.2	34.5
30°-40°	216.6	14.7
40°-50°	26.0	1.8
50°-60°	7.9	0.5
60°-70°	6.2	0.4
70°-80°	5.0	0.3
80°-90°	2.9	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°	1210.6	82.1
0°-40°	1427.2	96.8
0°-60°	1461.0	99.1
0°-90°	1475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2308	
5°	2246	208
15°	1781	493
25°	1126	509
35°	299	217
45°	23	26
55°	9	8
65°	6	6
75°	5	5
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2308.3
2.5°	2293.3
5°	2246.1
7.5°	2164.0
10°	2040.8
12.5°	1919.5
15°	1781.4
17.5°	1625.9
20°	1467.9
22.5°	1303.1
25°	1125.8
27.5°	943.0
30°	756.4
32.5°	536.2
35°	298.6
37.5°	171.7
40°	96.4
42.5°	49.8
45°	23.0
47.5°	12.4
50°	10.6
52.5°	9.3
55°	8.7
57.5°	8.1
60°	7.5
62.5°	6.8
65°	6.2
67.5°	5.6
70°	5.0
72.5°	5.0
75°	5.0
77.5°	4.4
80°	3.7
82.5°	3.7
85°	3.1
87.5°	1.9
90°	0.0

(END OF REPORT)