

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: P364662

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1589.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

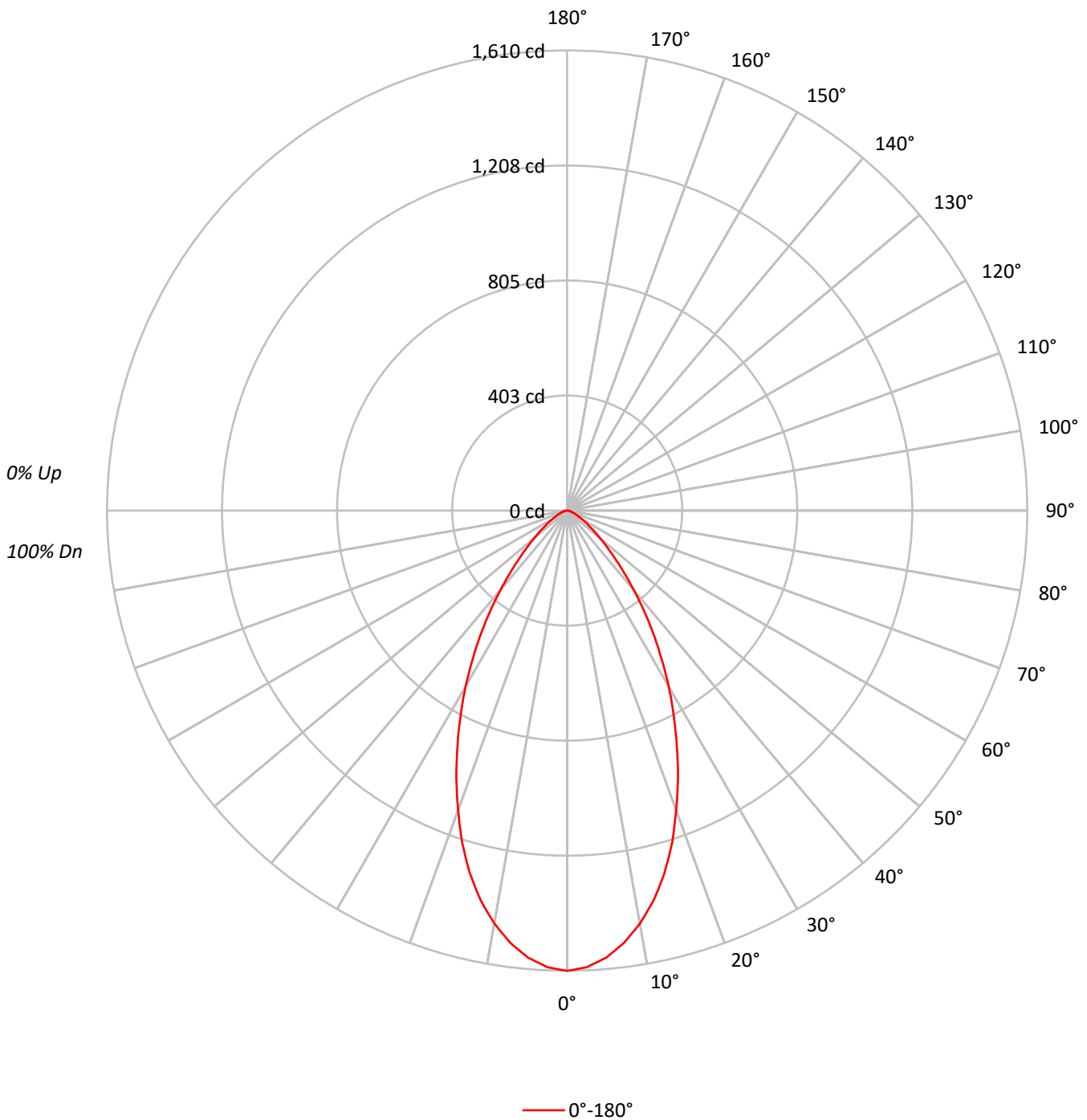
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69					69			
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59					59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54					54			
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50					50			
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47					47			
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44					44			

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

	0°
0°	115300
5°	112830
10°	106653
15°	97396
20°	84952
25°	71712
30°	58768
35°	45934
40°	33864
45°	23827
50°	16809
55°	11909
60°	8449
65°	6269
70°	4878
75°	3984
80°	3670
85°	3943



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	9.2
10°-20°	364.9	23.0
20°-30°	415.8	26.2
30°-40°	328.2	20.7
40°-50°	186.5	11.7
50°-60°	88.0	5.5
60°-70°	38.1	2.4
70°-80°	15.8	1.0
80°-90°	5.1	0.3
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°	927.3	58.4
0°-40°	1255.5	79.0
0°-60°	1530.0	96.3
0°-90°	1589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1589.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1610	
5°	1570	147
15°	1314	365
25°	908	416
35°	526	328
45°	235	187
55°	95	88
65°	37	38
75°	14	16
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1610.3
2.5°	1598.6
5°	1569.8
7.5°	1525.2
10°	1466.9
12.5°	1396.9
15°	1313.9
17.5°	1219.9
20°	1114.9
22.5°	1013.4
25°	907.7
27.5°	806.8
30°	710.8
32.5°	613.4
35°	525.5
37.5°	441.2
40°	362.3
42.5°	295.0
45°	235.3
47.5°	188.0
50°	150.9
52.5°	120.1
55°	95.4
57.5°	75.5
60°	59.0
62.5°	46.7
65°	37.0
67.5°	29.5
70°	23.3
72.5°	18.5
75°	14.4
77.5°	11.0
80°	8.9
82.5°	6.9
85°	4.8
87.5°	2.7
90°	0.0

(END OF REPORT)