

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: P365419

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365419  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
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-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1118.0 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

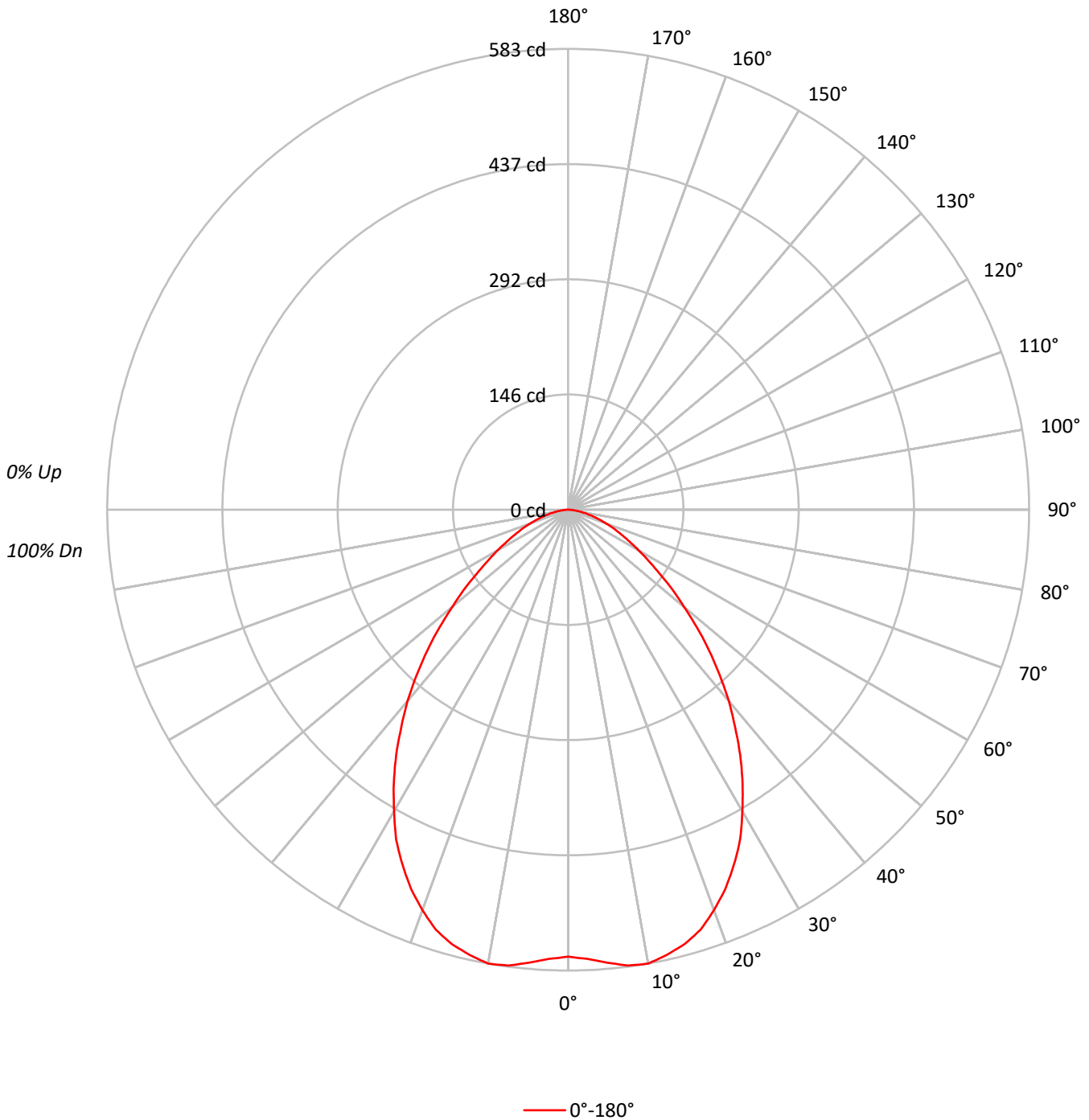
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

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

	0°
0°	40484
5°	41350
10°	42395
15°	42171
20°	41078
25°	39170
30°	36412
35°	33155
40°	29546
45°	25528
50°	21287
55°	17639
60°	14750
65°	12520
70°	10698
75°	8853
80°	7010
85°	5258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	4.9
10°-20°	159.8	14.3
20°-30°	227.3	20.3
30°-40°	236.3	21.1
40°-50°	194.2	17.4
50°-60°	128.3	11.5
60°-70°	74.3	6.6
70°-80°	34.6	3.1
80°-90°	7.9	0.7
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°	442.3	39.6
0°-40°	678.6	60.7
0°-60°	1001.1	89.5
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	565	
5°	575	55
15°	569	160
25°	496	227
35°	379	236
45°	252	194
55°	141	128
65°	74	74
75°	32	35
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	565.4
2.5°	568.9
5°	575.3
7.5°	581.7
10°	583.1
12.5°	576.7
15°	568.9
17.5°	556.9
20°	539.1
22.5°	519.2
25°	495.8
27.5°	470.9
30°	440.4
32.5°	410.5
35°	379.3
37.5°	346.6
40°	316.1
42.5°	283.4
45°	252.1
47.5°	220.9
50°	191.1
52.5°	166.2
55°	141.3
57.5°	120.7
60°	103.0
62.5°	87.4
65°	73.9
67.5°	62.5
70°	51.1
72.5°	41.2
75°	32.0
77.5°	24.1
80°	17.0
82.5°	11.4
85°	6.4
87.5°	2.8
90°	0.0

(END OF REPORT)