

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: P365190

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 625.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

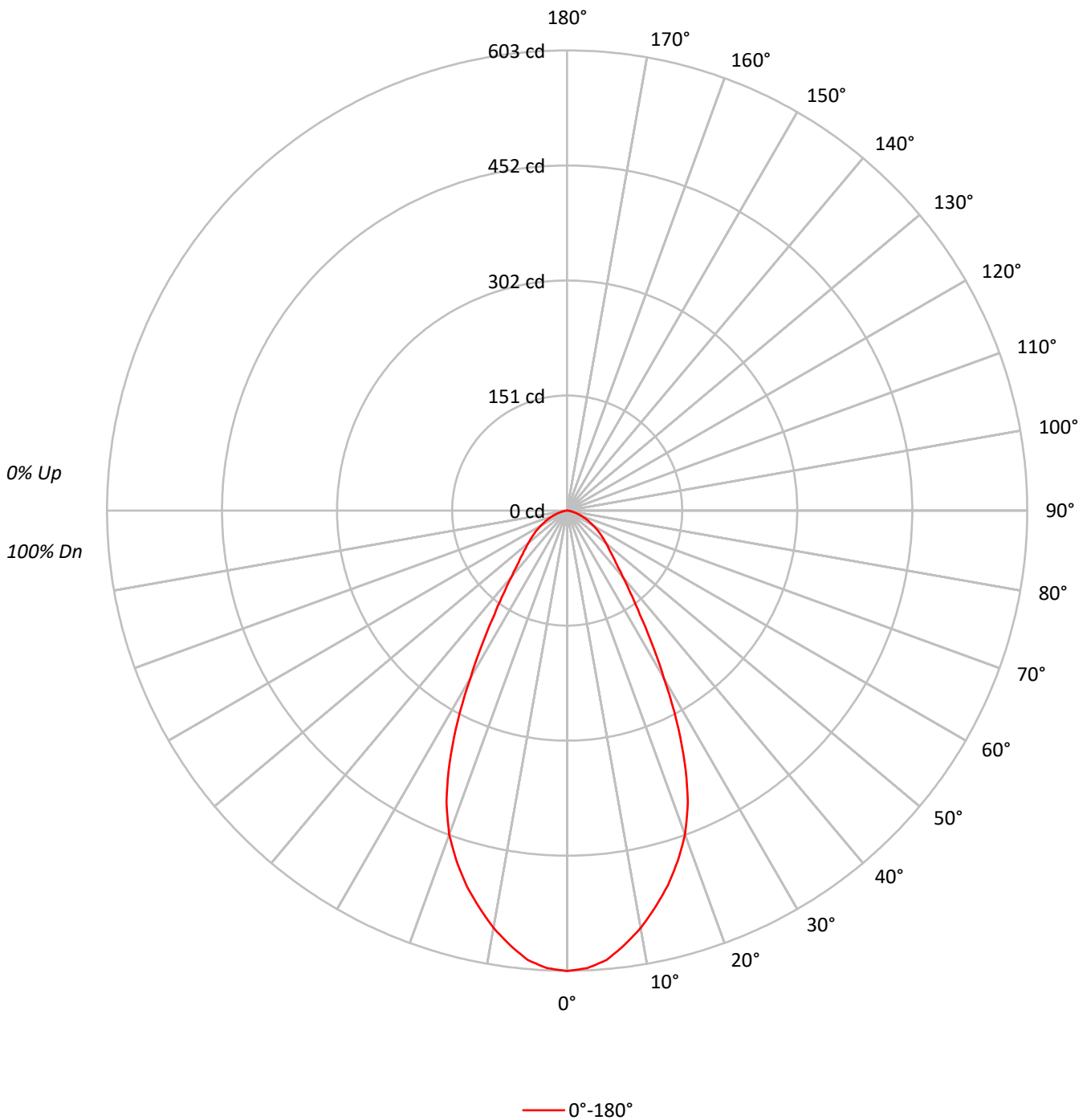
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

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

	0°
0°	43205
5°	42493
10°	40374
15°	37724
20°	34426
25°	28821
30°	20976
35°	14510
40°	10618
45°	8556
50°	7408
55°	6554
60°	5714
65°	4879
70°	3978
75°	2988
80°	2062
85°	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	8.8
10°-20°	142.1	22.7
20°-30°	164.1	26.3
30°-40°	107.0	17.1
40°-50°	66.4	10.6
50°-60°	47.2	7.6
60°-70°	28.7	4.6
70°-80°	11.8	1.9
80°-90°	2.4	0.4
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°	361.4	57.8
0°-40°	468.4	74.9
0°-60°	582.0	93.1
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	603	
5°	591	55
15°	509	142
25°	365	164
35°	166	107
45°	84	66
55°	52	47
65°	29	29
75°	11	12
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	603.4
2.5°	600.2
5°	591.2
7.5°	574.3
10°	555.3
12.5°	532.6
15°	508.9
17.5°	481.6
20°	451.8
22.5°	413.3
25°	364.8
27.5°	310.5
30°	253.7
32.5°	206.3
35°	166.0
37.5°	136.2
40°	113.6
42.5°	96.7
45°	84.5
47.5°	74.4
50°	66.5
52.5°	59.3
55°	52.5
57.5°	46.4
60°	39.9
62.5°	34.1
65°	28.8
67.5°	23.7
70°	19.0
72.5°	14.7
75°	10.8
77.5°	7.5
80°	5.0
82.5°	3.2
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)