

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: P365877

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4408.0 lumens  
Efficiency: N/A  
Efficacy: 60.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

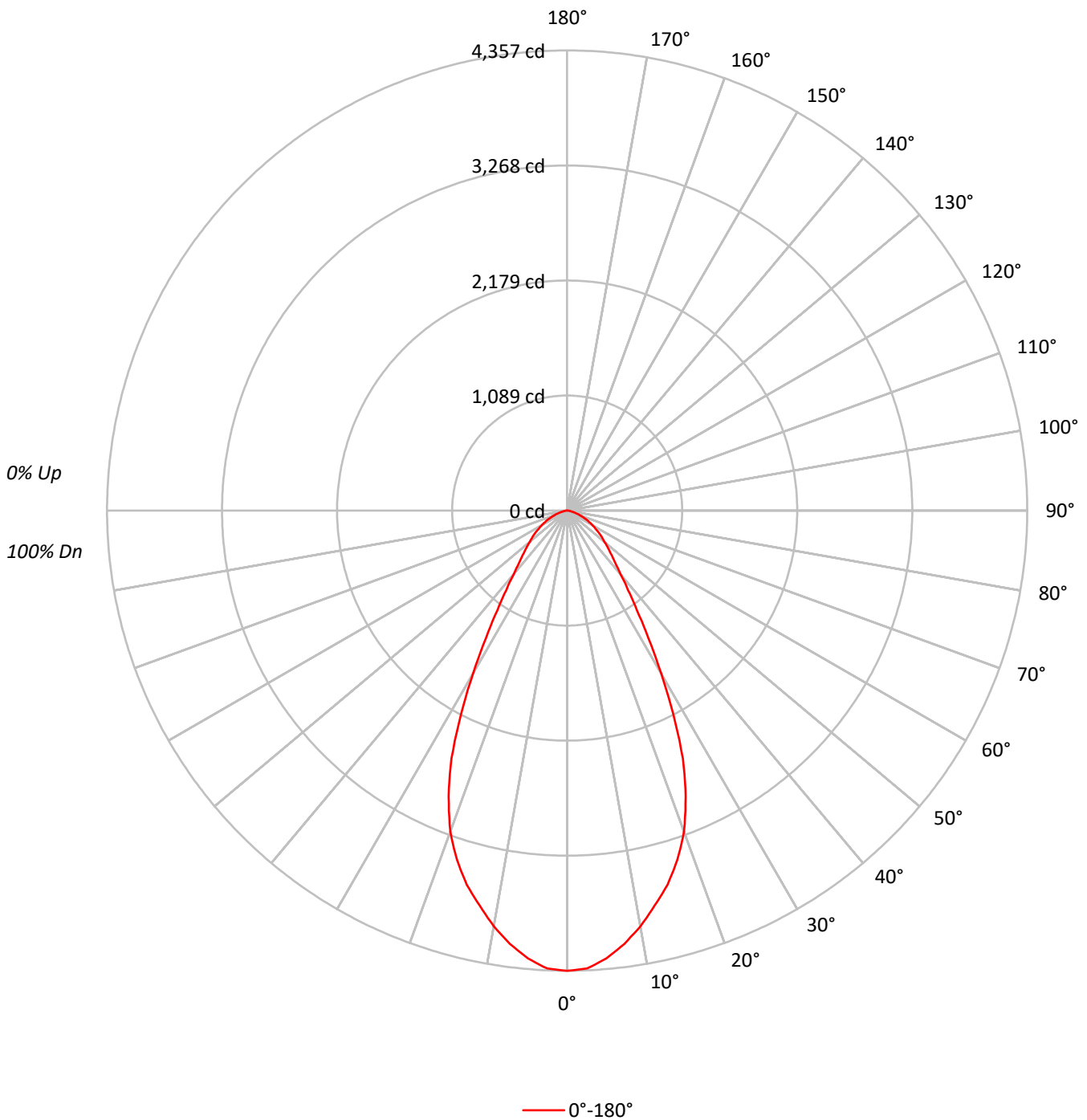
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	311998
5°	305887
10°	290513
15°	271952
20°	246513
25°	204715
30°	146854
35°	100687
40°	73860
45°	59956
50°	51597
55°	45764
60°	39725
65°	33580
70°	26441
75°	19199
80°	12246
85°	14213



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	398.0	9.0
10°-20°	1022.6	23.2
20°-30°	1161.1	26.3
30°-40°	743.2	16.9
40°-50°	464.3	10.5
50°-60°	328.7	7.5
60°-70°	196.7	4.5
70°-80°	76.6	1.7
80°-90°	16.8	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°	2581.7	58.6
0°-40°	3324.9	75.4
0°-60°	4117.9	93.4
0°-90°	4408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4408.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4357	
5°	4256	398
15°	3669	1023
25°	2591	1161
35°	1152	743
45°	592	464
55°	367	329
65°	198	197
75°	69	77
85°	17	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4357.4
2.5°	4340.1
5°	4255.8
7.5°	4139.4
10°	3995.7
12.5°	3829.8
15°	3668.7
17.5°	3468.1
20°	3235.2
22.5°	2933.0
25°	2591.2
27.5°	2177.5
30°	1776.2
32.5°	1426.9
35°	1151.9
37.5°	946.3
40°	790.2
42.5°	673.8
45°	592.1
47.5°	522.7
50°	463.2
52.5°	416.2
55°	366.6
57.5°	319.6
60°	277.4
62.5°	235.3
65°	198.2
67.5°	161.0
70°	126.3
72.5°	96.6
75°	69.4
77.5°	47.1
80°	29.7
82.5°	19.8
85°	17.3
87.5°	9.9
90°	0.0

(END OF REPORT)