

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: P366536

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5040.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

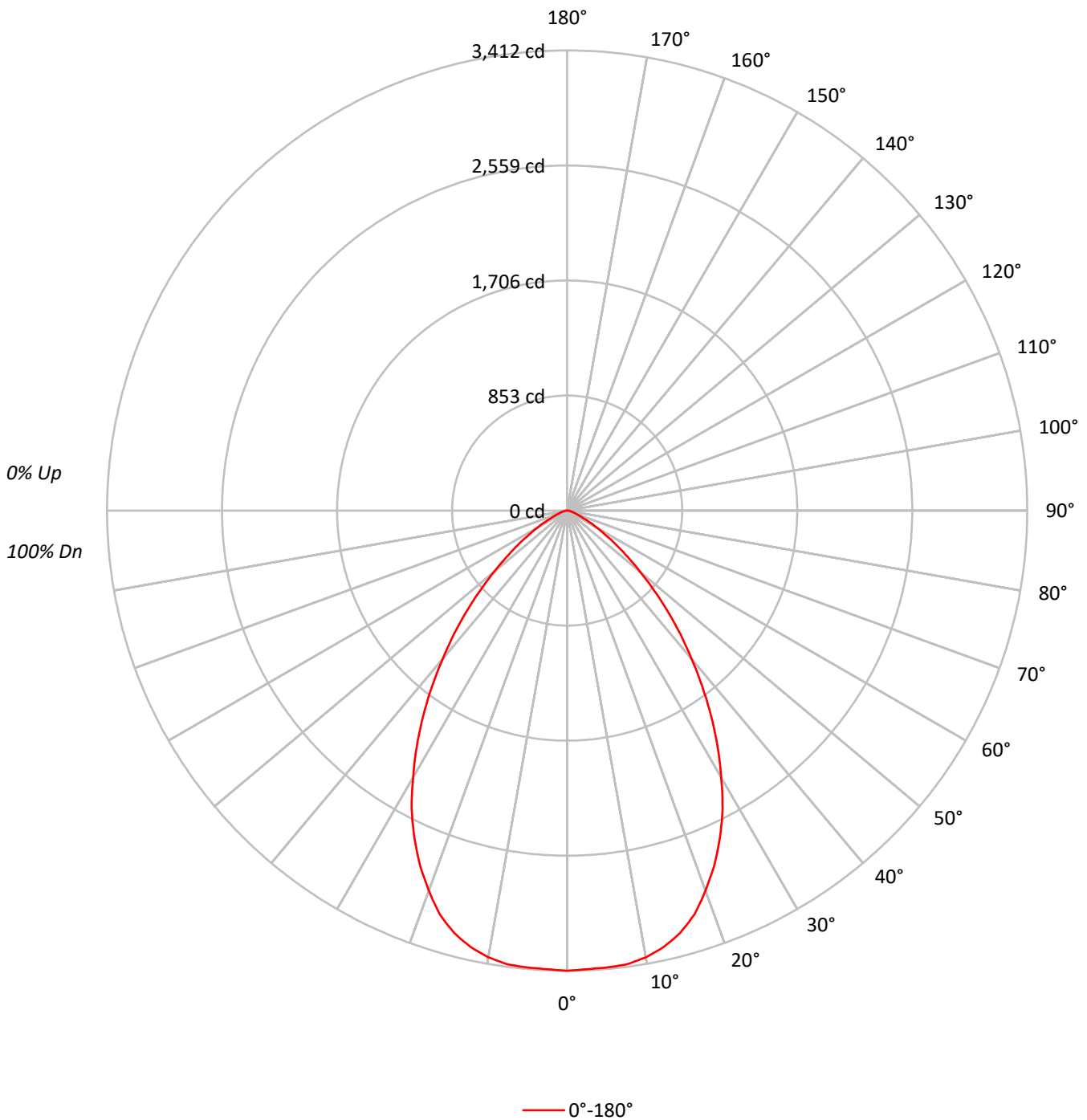
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	244341
5°	244427
10°	244526
15°	240263
20°	228546
25°	211746
30°	188995
35°	162678
40°	134250
45°	106232
50°	78955
55°	55663
60°	36975
65°	22669
70°	14738
75°	11038
80°	9690
85°	11584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.6	6.4
10°-20°	907.4	18.0
20°-30°	1225.0	24.3
30°-40°	1159.1	23.0
40°-50°	812.5	16.1
50°-60°	408.8	8.1
60°-70°	144.4	2.9
70°-80°	45.1	0.9
80°-90°	14.1	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°	2456.0	48.7
0°-40°	3615.1	71.7
0°-60°	4836.4	96.0
0°-90°	5040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3412	
5°	3401	324
15°	3241	907
25°	2680	1225
35°	1861	1159
45°	1049	812
55°	446	409
65°	134	144
75°	40	45
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3412.5
2.5°	3403.1
5°	3400.7
7.5°	3393.7
10°	3363.2
12.5°	3313.9
15°	3241.2
17.5°	3140.2
20°	2999.4
22.5°	2849.2
25°	2680.2
27.5°	2497.2
30°	2285.9
32.5°	2077.1
35°	1861.1
37.5°	1647.6
40°	1436.3
42.5°	1241.5
45°	1049.1
47.5°	873.1
50°	708.8
52.5°	568.0
55°	445.9
57.5°	342.7
60°	258.2
62.5°	190.1
65°	133.8
67.5°	98.6
70°	70.4
72.5°	54.0
75°	39.9
77.5°	30.5
80°	23.5
82.5°	18.8
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)