

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: P365817

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
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-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4170.0 lumens  
Efficiency: N/A  
Efficacy: 56.8 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

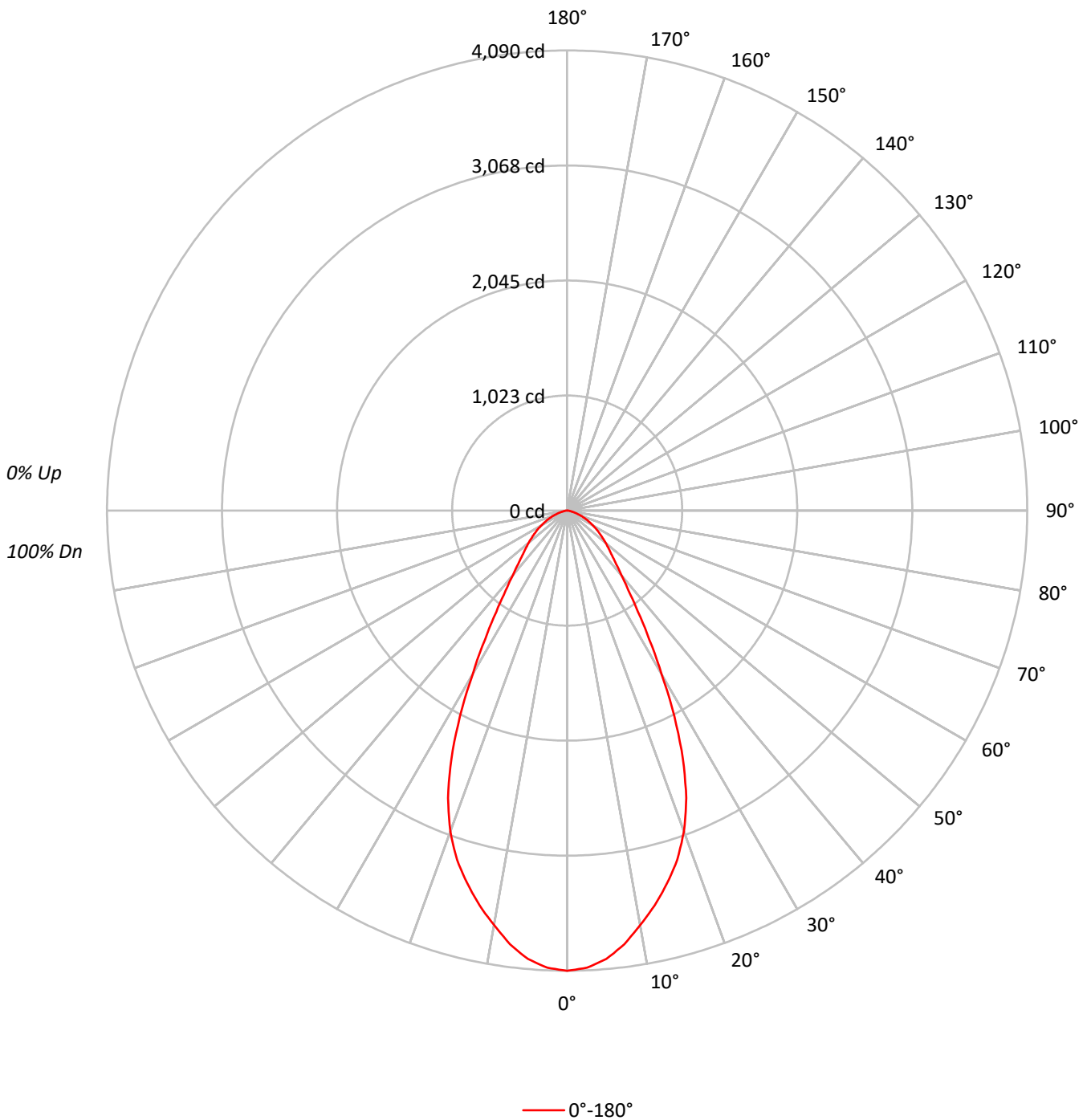
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	102	100	98		99	97	95		95	94	93	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	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	292887
5°	287595
10°	271980
15°	254332
20°	231212
25°	192454
30°	138925
35°	96002
40°	70196
45°	57030
50°	49670
55°	43654
60°	37978
65°	32208
70°	26043
75°	18176
80°	11628
85°	13473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.5	9.0
10°-20°	958.6	23.0
20°-30°	1094.9	26.3
30°-40°	706.2	16.9
40°-50°	443.5	10.6
50°-60°	314.5	7.5
60°-70°	189.5	4.5
70°-80°	73.2	1.8
80°-90°	16.0	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°	2427.1	58.2
0°-40°	3133.3	75.1
0°-60°	3891.3	93.3
0°-90°	4170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4170.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4090	
5°	4001	374
15°	3431	959
25°	2436	1095
35°	1098	706
45°	563	443
55°	350	315
65°	190	190
75°	66	73
85°	16	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4090.5
2.5°	4067.0
5°	4001.3
7.5°	3888.6
10°	3740.8
12.5°	3595.3
15°	3431.0
17.5°	3255.0
20°	3034.4
22.5°	2766.9
25°	2436.0
27.5°	2062.8
30°	1680.3
32.5°	1358.8
35°	1098.3
37.5°	896.5
40°	751.0
42.5°	645.4
45°	563.2
47.5°	499.9
50°	445.9
52.5°	396.6
55°	349.7
57.5°	307.4
60°	265.2
62.5°	227.6
65°	190.1
67.5°	154.9
70°	124.4
72.5°	91.5
75°	65.7
77.5°	44.6
80°	28.2
82.5°	18.8
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)