

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: P365820

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365820  
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: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4083.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 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

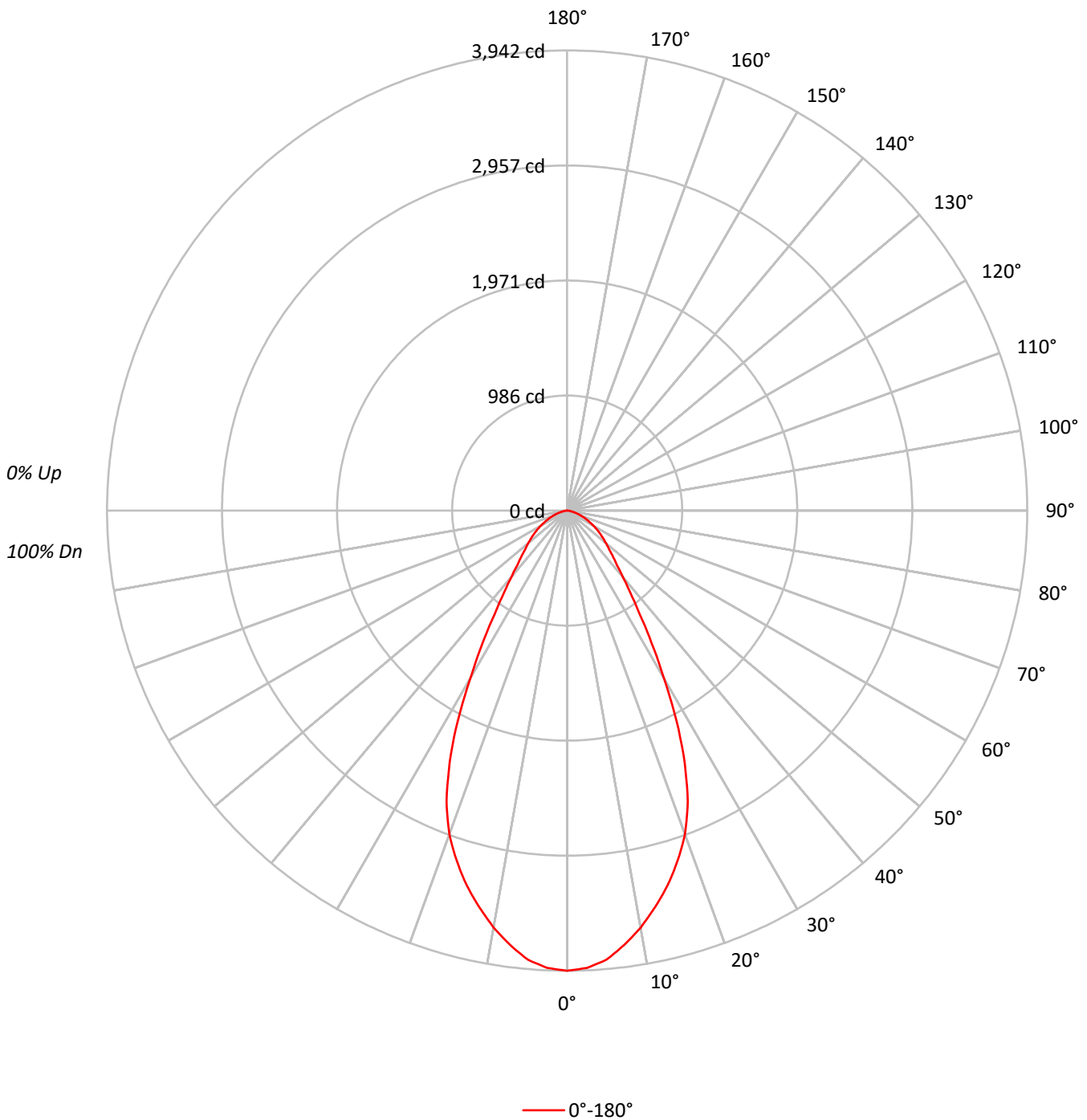
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	282262
5°	277597
10°	263735
15°	246445
20°	224881
25°	188274
30°	137048
35°	94813
40°	69345
45°	55865
50°	48389
55°	42793
60°	37319
65°	31818
70°	26043
75°	19476
80°	13566
85°	11584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	360.8	8.8
10°-20°	928.5	22.7
20°-30°	1071.8	26.3
30°-40°	698.9	17.1
40°-50°	433.9	10.6
50°-60°	308.2	7.5
60°-70°	187.3	4.6
70°-80°	77.6	1.9
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°	2361.1	57.8
0°-40°	3060.1	74.9
0°-60°	3802.1	93.1
0°-90°	4083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4083.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3942	
5°	3862	361
15°	3325	929
25°	2383	1072
35°	1085	699
45°	552	434
55°	343	308
65°	188	187
75°	70	78
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3942.1
2.5°	3920.9
5°	3862.2
7.5°	3751.9
10°	3627.4
12.5°	3479.5
15°	3324.6
17.5°	3146.1
20°	2951.3
22.5°	2700.0
25°	2383.1
27.5°	2028.6
30°	1657.6
32.5°	1347.7
35°	1084.7
37.5°	889.8
40°	741.9
42.5°	631.6
45°	551.7
47.5°	486.0
50°	434.4
52.5°	387.4
55°	342.8
57.5°	302.9
60°	260.6
62.5°	223.0
65°	187.8
67.5°	155.0
70°	124.4
72.5°	96.3
75°	70.4
77.5°	49.3
80°	32.9
82.5°	21.1
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)