

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: P366542

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
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-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5455.0 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

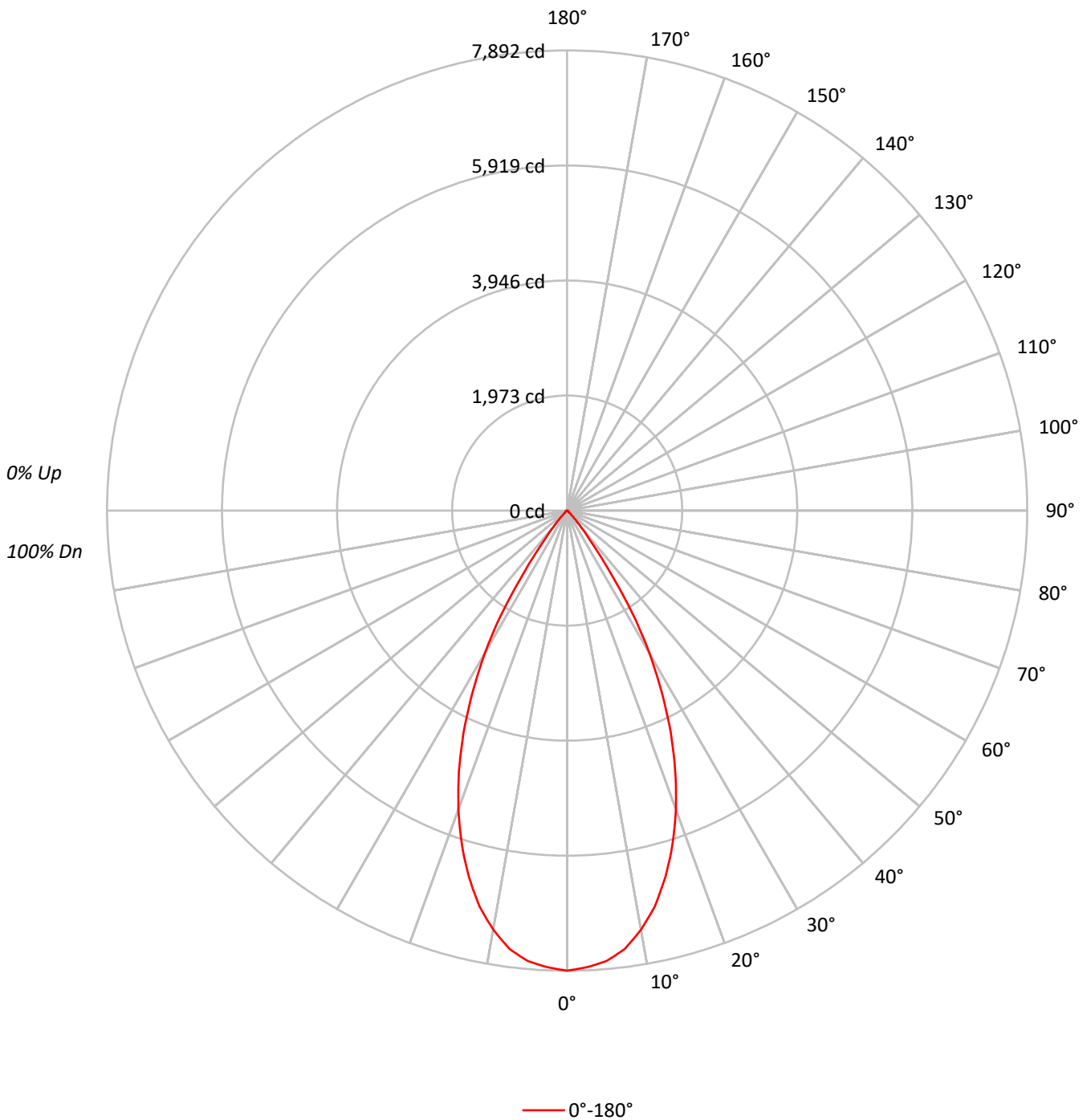
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	565046
5°	557422
10°	530597
15°	482349
20°	415358
25°	332030
30°	232815
35°	108301
40°	34219
45°	10693
50°	4701
55°	4394
60°	4038
65°	3575
70°	3936
75°	4537
80°	5814
85°	9612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	726.0	13.3
10°-20°	1804.3	33.1
20°-30°	1896.8	34.8
30°-40°	841.5	15.4
40°-50°	105.3	1.9
50°-60°	31.5	0.6
60°-70°	22.1	0.4
70°-80°	17.4	0.3
80°-90°	10.2	0.2
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°	4427.1	81.2
0°-40°	5268.6	96.6
0°-60°	5405.4	99.1
0°-90°	5455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7892	
5°	7755	726
15°	6507	1804
25°	4203	1897
35°	1239	842
45°	106	105
55°	35	31
65°	21	22
75°	16	17
85°	12	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7891.5
2.5°	7839.9
5°	7755.4
7.5°	7581.8
10°	7297.8
12.5°	6950.6
15°	6507.0
17.5°	6007.2
20°	5451.1
22.5°	4848.0
25°	4202.7
27.5°	3517.5
30°	2815.9
32.5°	2072.0
35°	1239.0
37.5°	659.4
40°	366.1
42.5°	199.5
45°	105.6
47.5°	51.6
50°	42.2
52.5°	37.5
55°	35.2
57.5°	32.9
60°	28.2
62.5°	25.8
65°	21.1
67.5°	18.8
70°	18.8
72.5°	16.4
75°	16.4
77.5°	16.4
80°	14.1
82.5°	11.7
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)