

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: P366521

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4808.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 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

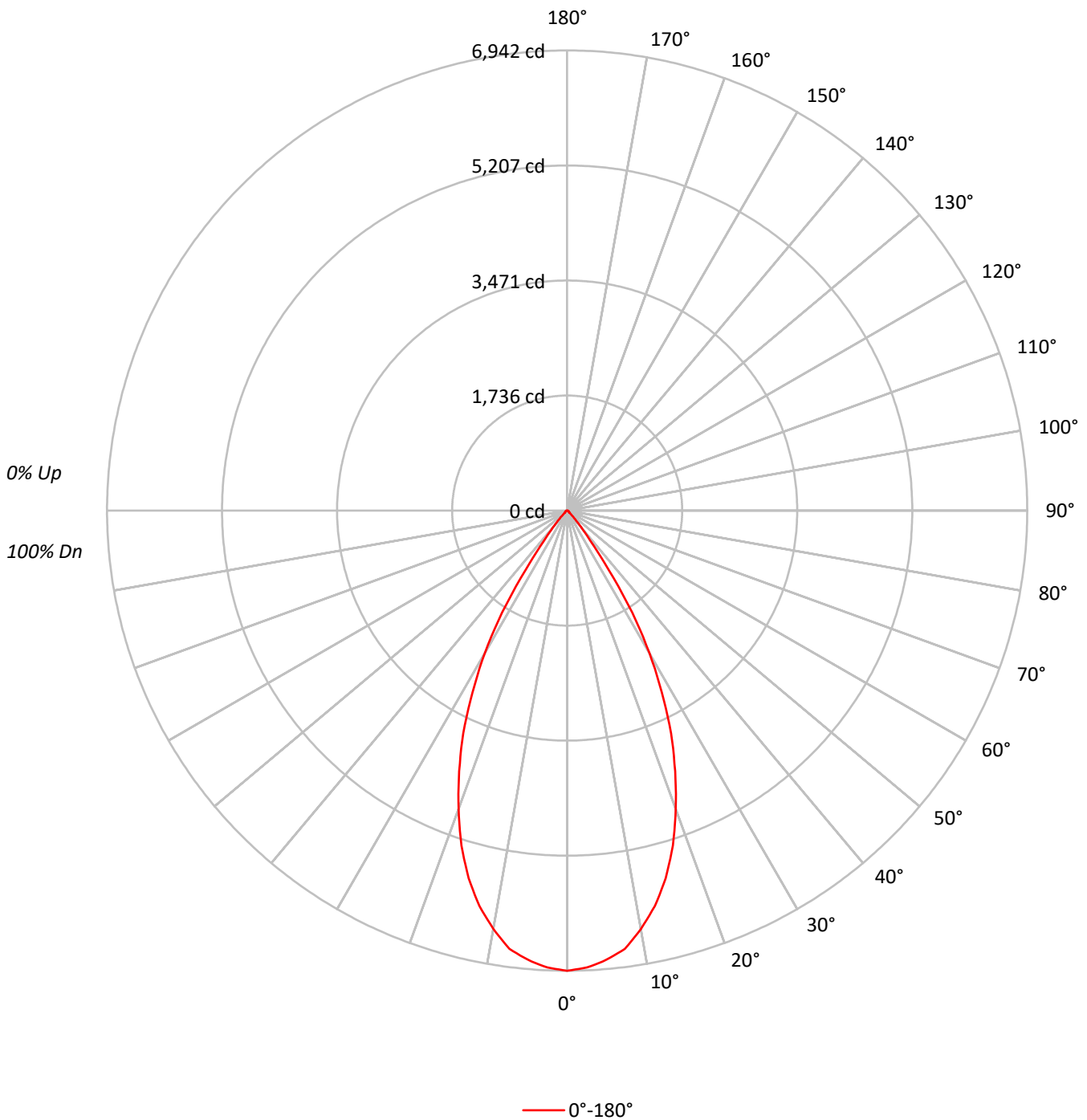
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	84	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	73	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	64	61	78	69	64	61	69	64	60	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°	497096
5°	488911
10°	465852
15°	425686
20°	365053
25°	292915
30°	205366
35°	94883
40°	30462
45°	9832
50°	4567
55°	4045
60°	4024
65°	3660
70°	3622
75°	4177
80°	5319
85°	8873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.9	13.3
10°-20°	1589.1	33.1
20°-30°	1668.9	34.7
30°-40°	740.6	15.4
40°-50°	95.7	2.0
50°-60°	29.9	0.6
60°-70°	21.1	0.4
70°-80°	15.4	0.3
80°-90°	9.4	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°	3896.0	81.0
0°-40°	4636.5	96.4
0°-60°	4762.1	99.0
0°-90°	4808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6942	
5°	6802	638
15°	5743	1589
25°	3708	1669
35°	1086	741
45°	97	96
55°	32	30
65°	22	21
75°	15	15
85°	11	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6942.5
2.5°	6899.3
5°	6802.2
7.5°	6670.6
10°	6407.3
12.5°	6111.6
15°	5742.6
17.5°	5300.2
20°	4790.9
22.5°	4255.7
25°	3707.6
27.5°	3092.5
30°	2483.9
32.5°	1825.7
35°	1085.5
37.5°	578.4
40°	325.9
42.5°	179.1
45°	97.1
47.5°	49.6
50°	41.0
52.5°	36.7
55°	32.4
57.5°	30.2
60°	28.1
62.5°	23.7
65°	21.6
67.5°	17.3
70°	17.3
72.5°	15.1
75°	15.1
77.5°	12.9
80°	12.9
82.5°	10.8
85°	10.8
87.5°	6.5
90°	0.0

(END OF REPORT)