

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: P366558

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366558  
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-FEU6B67-8035-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5220.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 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

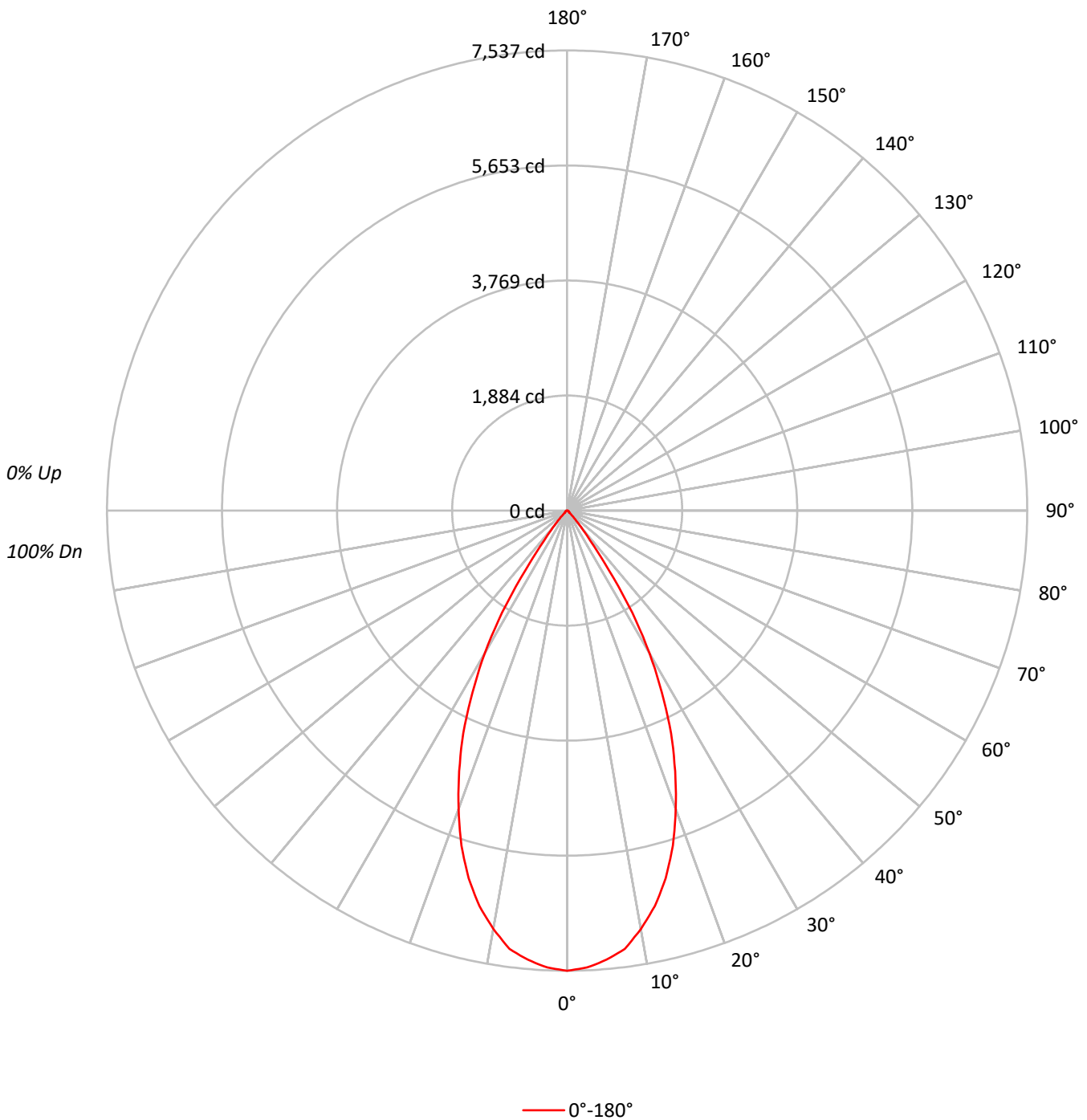
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	539692
5°	530807
10°	505768
15°	462164
20°	396332
25°	318014
30°	222968
35°	103012
40°	33070
45°	10673
50°	4957
55°	4382
60°	4368
65°	3965
70°	3915
75°	4537
80°	5814
85°	9612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	692.6	13.3
10°-20°	1725.3	33.1
20°-30°	1811.9	34.7
30°-40°	804.0	15.4
40°-50°	103.9	2.0
50°-60°	32.4	0.6
60°-70°	22.9	0.4
70°-80°	16.7	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°	4229.8	81.0
0°-40°	5033.8	96.4
0°-60°	5170.2	99.0
0°-90°	5220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7537	
5°	7385	693
15°	6235	1725
25°	4025	1812
35°	1178	804
45°	105	104
55°	35	32
65°	23	23
75°	16	17
85°	12	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7537.4
2.5°	7490.5
5°	7385.1
7.5°	7242.2
10°	6956.3
12.5°	6635.4
15°	6234.7
17.5°	5754.4
20°	5201.4
22.5°	4620.4
25°	4025.3
27.5°	3357.5
30°	2696.8
32.5°	1982.2
35°	1178.5
37.5°	627.9
40°	353.8
42.5°	194.5
45°	105.4
47.5°	53.9
50°	44.5
52.5°	39.8
55°	35.1
57.5°	32.8
60°	30.5
62.5°	25.8
65°	23.4
67.5°	18.7
70°	18.7
72.5°	16.4
75°	16.4
77.5°	14.1
80°	14.1
82.5°	11.7
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)