

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: P366559

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366559  
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-FEU6B67-8035-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5146.0 lumens  
Efficiency: N/A  
Efficacy: 70.1 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

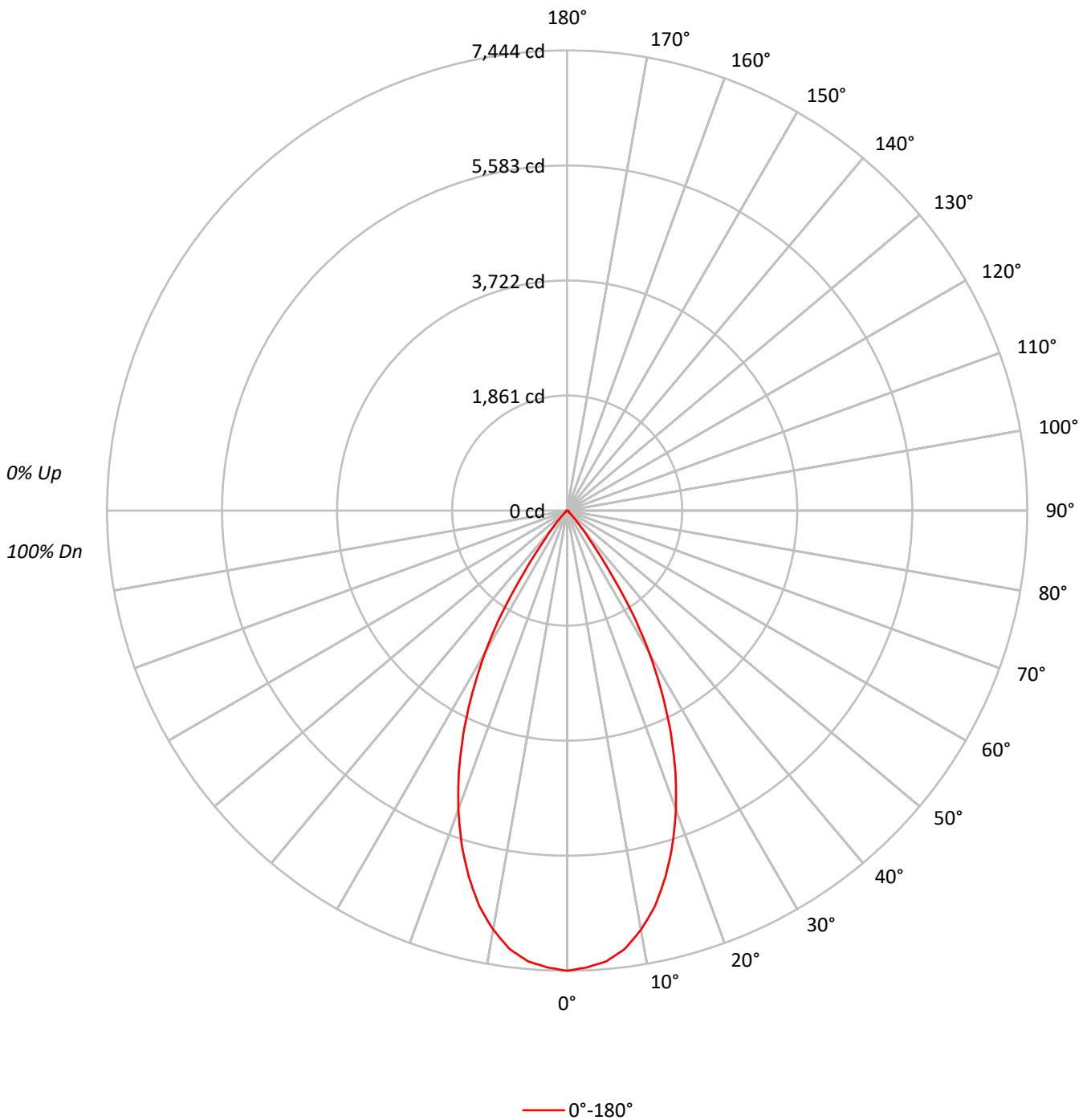
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	533040
5°	525847
10°	500547
15°	455033
20°	391828
25°	313219
30°	219628
35°	102164
40°	32275
45°	10086
50°	4433
55°	4144
60°	3809
65°	3372
70°	3705
75°	4288
80°	5484
85°	9119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	684.8	13.3
10°-20°	1702.1	33.1
20°-30°	1789.4	34.8
30°-40°	793.9	15.4
40°-50°	99.3	1.9
50°-60°	29.7	0.6
60°-70°	20.8	0.4
70°-80°	16.4	0.3
80°-90°	9.7	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°	4176.3	81.2
0°-40°	4970.2	96.6
0°-60°	5099.2	99.1
0°-90°	5146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5146.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7444	
5°	7316	685
15°	6138	1702
25°	3965	1789
35°	1169	794
45°	100	99
55°	33	30
65°	20	21
75°	16	16
85°	11	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7444.5
2.5°	7395.8
5°	7316.1
7.5°	7152.3
10°	6884.5
12.5°	6556.8
15°	6138.5
17.5°	5666.9
20°	5142.3
22.5°	4573.4
25°	3964.6
27.5°	3318.3
30°	2656.4
32.5°	1954.7
35°	1168.8
37.5°	622.0
40°	345.3
42.5°	188.2
45°	99.6
47.5°	48.7
50°	39.8
52.5°	35.4
55°	33.2
57.5°	31.0
60°	26.6
62.5°	24.4
65°	19.9
67.5°	17.7
70°	17.7
72.5°	15.5
75°	15.5
77.5°	15.5
80°	13.3
82.5°	11.1
85°	11.1
87.5°	6.6
90°	0.0

(END OF REPORT)