

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: P366539

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366539  
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-FEU6B67-8030-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: 5025.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 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

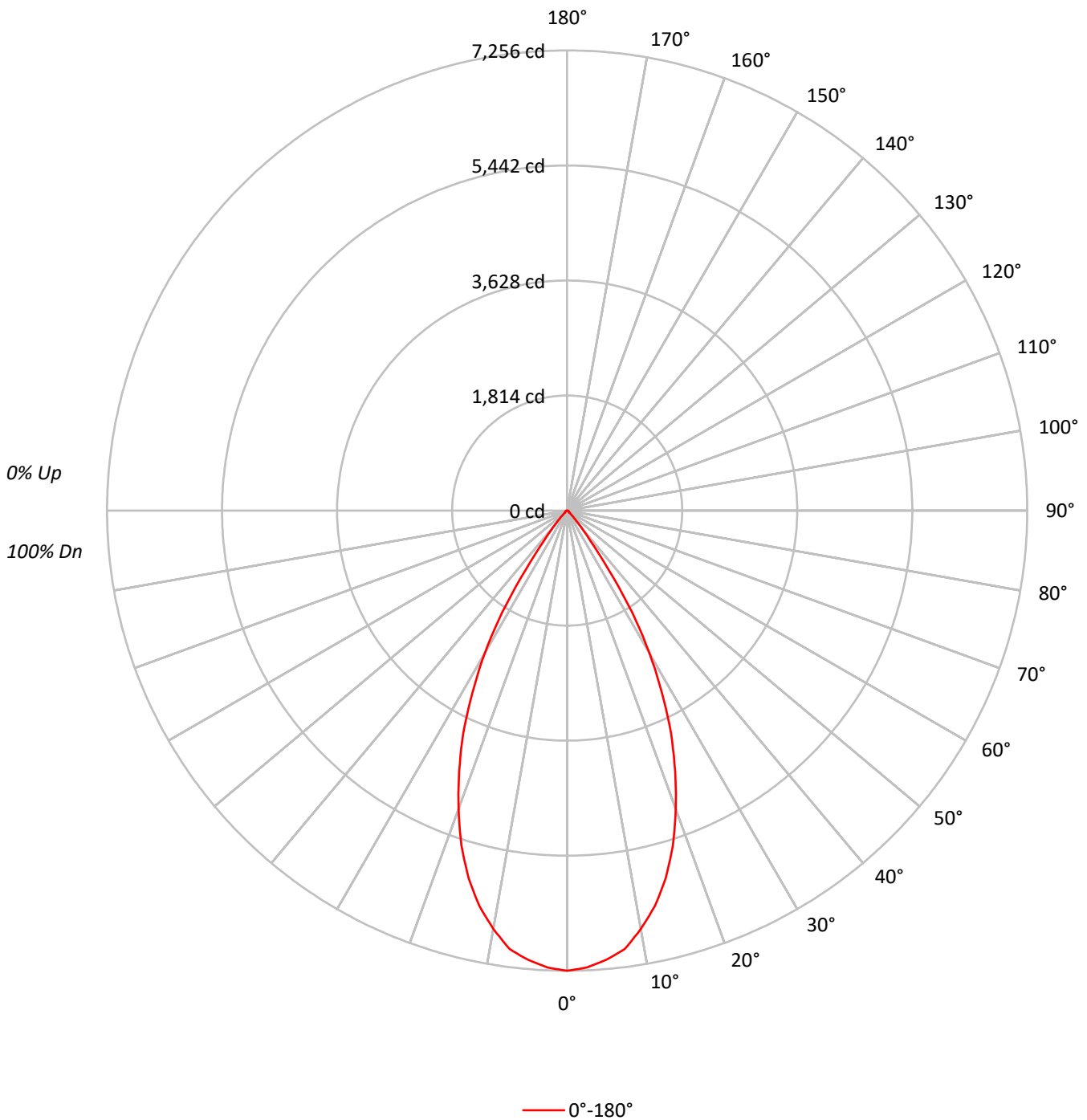
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	519529
5°	510976
10°	486879
15°	444900
20°	381527
25°	306132
30°	214634
35°	99166
40°	31836
45°	10278
50°	4779
55°	4219
60°	4196
65°	3829
70°	3768
75°	4371
80°	5567
85°	9283



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.7	13.3
10°-20°	1660.8	33.1
20°-30°	1744.2	34.7
30°-40°	774.0	15.4
40°-50°	100.0	2.0
50°-60°	31.2	0.6
60°-70°	22.0	0.4
70°-80°	16.1	0.3
80°-90°	9.8	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°	4071.8	81.0
0°-40°	4845.8	96.4
0°-60°	4977.1	99.0
0°-90°	5025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7256	
5°	7109	667
15°	6002	1661
25°	3875	1744
35°	1134	774
45°	102	100
55°	34	31
65°	23	22
75°	16	16
85°	11	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7255.8
2.5°	7210.7
5°	7109.2
7.5°	6971.6
10°	6696.5
12.5°	6387.5
15°	6001.8
17.5°	5539.4
20°	5007.1
22.5°	4447.8
25°	3874.9
27.5°	3232.1
30°	2596.0
32.5°	1908.1
35°	1134.5
37.5°	604.5
40°	340.6
42.5°	187.2
45°	101.5
47.5°	51.9
50°	42.9
52.5°	38.3
55°	33.8
57.5°	31.6
60°	29.3
62.5°	24.8
65°	22.6
67.5°	18.0
70°	18.0
72.5°	15.8
75°	15.8
77.5°	13.5
80°	13.5
82.5°	11.3
85°	11.3
87.5°	6.8
90°	0.0

(END OF REPORT)