

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: P366517

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4813.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

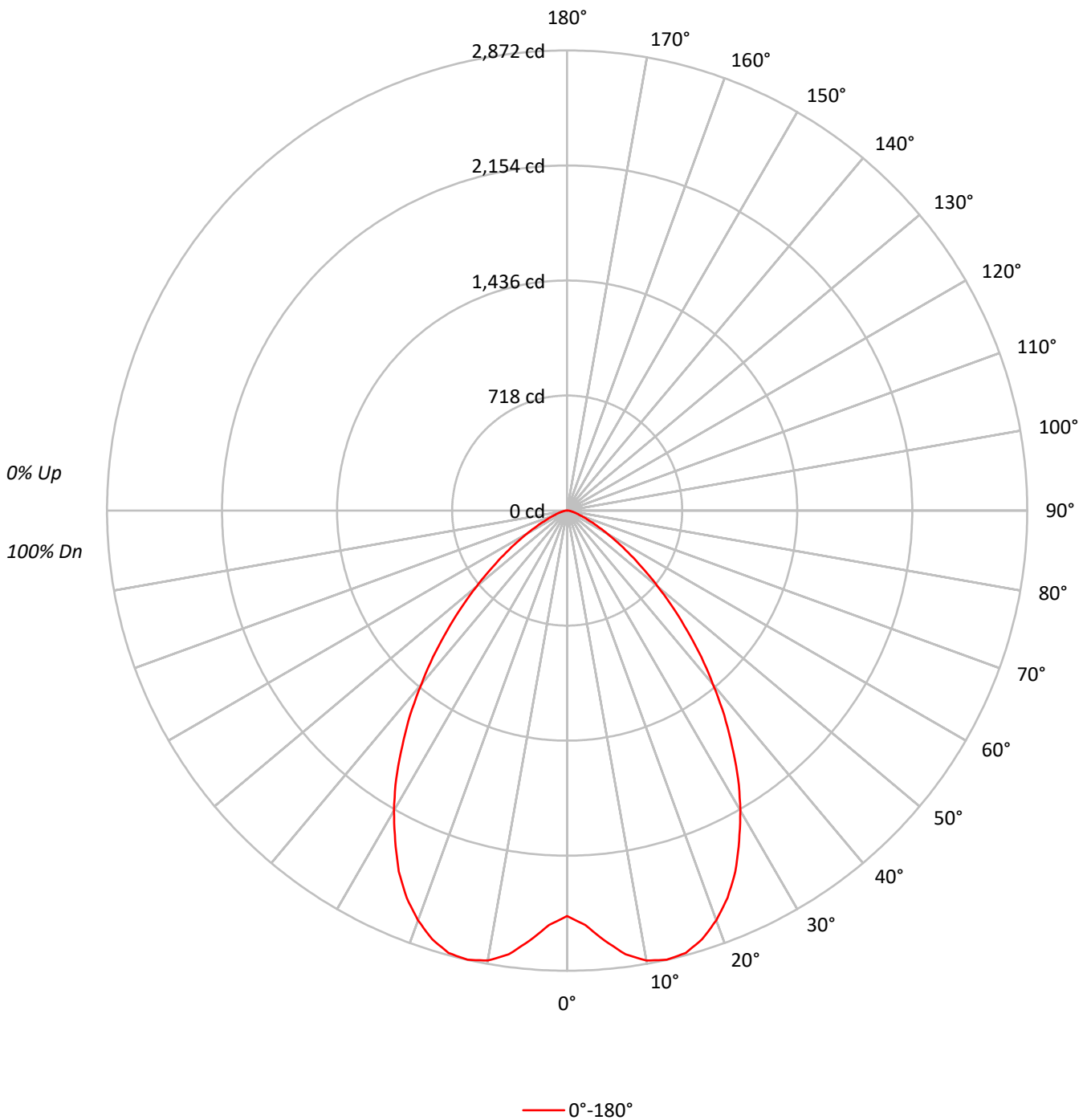
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

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

	0°
0°	181174
5°	193647
10°	207315
15°	211864
20°	207348
25°	196356
30°	178760
35°	156804
40°	132418
45°	107083
50°	82531
55°	60257
60°	41472
65°	27396
70°	17858
75°	13030
80°	11092
85°	12898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.2	5.4
10°-20°	800.3	16.6
20°-30°	1134.0	23.6
30°-40°	1118.5	23.2
40°-50°	819.8	17.0
50°-60°	439.5	9.1
60°-70°	168.9	3.5
70°-80°	53.8	1.1
80°-90°	15.9	0.3
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°	2196.6	45.6
0°-40°	3315.0	68.9
0°-60°	4574.4	95.0
0°-90°	4813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4813.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2530	
5°	2694	262
15°	2858	800
25°	2485	1134
35°	1794	1118
45°	1058	820
55°	483	440
65°	162	169
75°	47	54
85°	16	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2530.3
2.5°	2588.7
5°	2694.2
7.5°	2793.0
10°	2851.4
12.5°	2871.6
15°	2858.1
17.5°	2804.2
20°	2721.2
22.5°	2615.6
25°	2485.4
27.5°	2323.8
30°	2162.1
32.5°	1987.0
35°	1793.9
37.5°	1609.8
40°	1416.7
42.5°	1239.3
45°	1057.5
47.5°	895.8
50°	740.9
52.5°	601.7
55°	482.7
57.5°	377.2
60°	289.6
62.5°	217.8
65°	161.7
67.5°	119.0
70°	85.3
72.5°	65.1
75°	47.1
77.5°	35.9
80°	26.9
82.5°	20.2
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)