

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: P366570

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5481.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

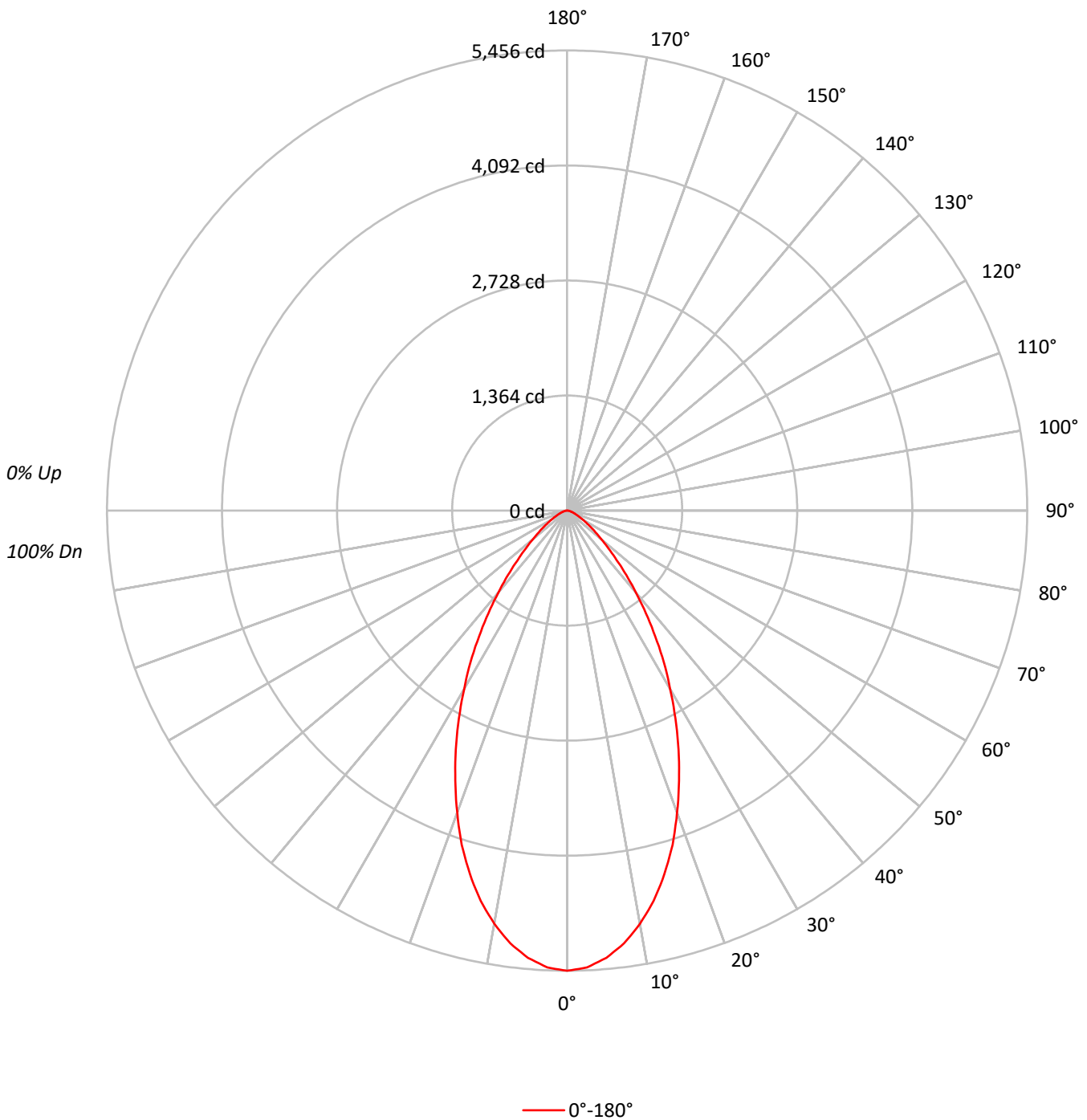
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	390631
5°	382564
10°	361671
15°	330558
20°	290402
25°	246840
30°	201943
35°	158955
40°	118445
45°	83995
50°	59261
55°	42568
60°	30474
65°	22127
70°	17209
75°	14054
80°	11958
85°	11912



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.1	9.1
10°-20°	1240.8	22.6
20°-30°	1427.3	26.0
30°-40°	1138.9	20.8
40°-50°	656.6	12.0
50°-60°	312.9	5.7
60°-70°	135.4	2.5
70°-80°	55.4	1.0
80°-90°	16.5	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°	3165.3	57.7
0°-40°	4304.2	78.5
0°-60°	5273.7	96.2
0°-90°	5481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5481.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5456	
5°	5323	497
15°	4459	1241
25°	3124	1427
35°	1818	1139
45°	830	657
55°	341	313
65°	131	135
75°	51	55
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5455.6
2.5°	5421.8
5°	5322.6
7.5°	5175.1
10°	4974.4
12.5°	4739.8
15°	4459.3
17.5°	4154.6
20°	3811.2
22.5°	3465.4
25°	3124.4
27.5°	2778.6
30°	2442.5
32.5°	2135.3
35°	1818.5
37.5°	1535.6
40°	1267.2
42.5°	1037.4
45°	829.5
47.5°	665.0
50°	532.0
52.5°	425.6
55°	341.0
57.5°	268.4
60°	212.8
62.5°	166.9
65°	130.6
67.5°	104.0
70°	82.2
72.5°	65.3
75°	50.8
77.5°	38.7
80°	29.0
82.5°	21.8
85°	14.5
87.5°	9.7
90°	0.0

(END OF REPORT)