

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: P366552

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366552
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-FEU6B67-8035-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: 5424.0 lumens
Efficiency: N/A
Efficacy: 73.9 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

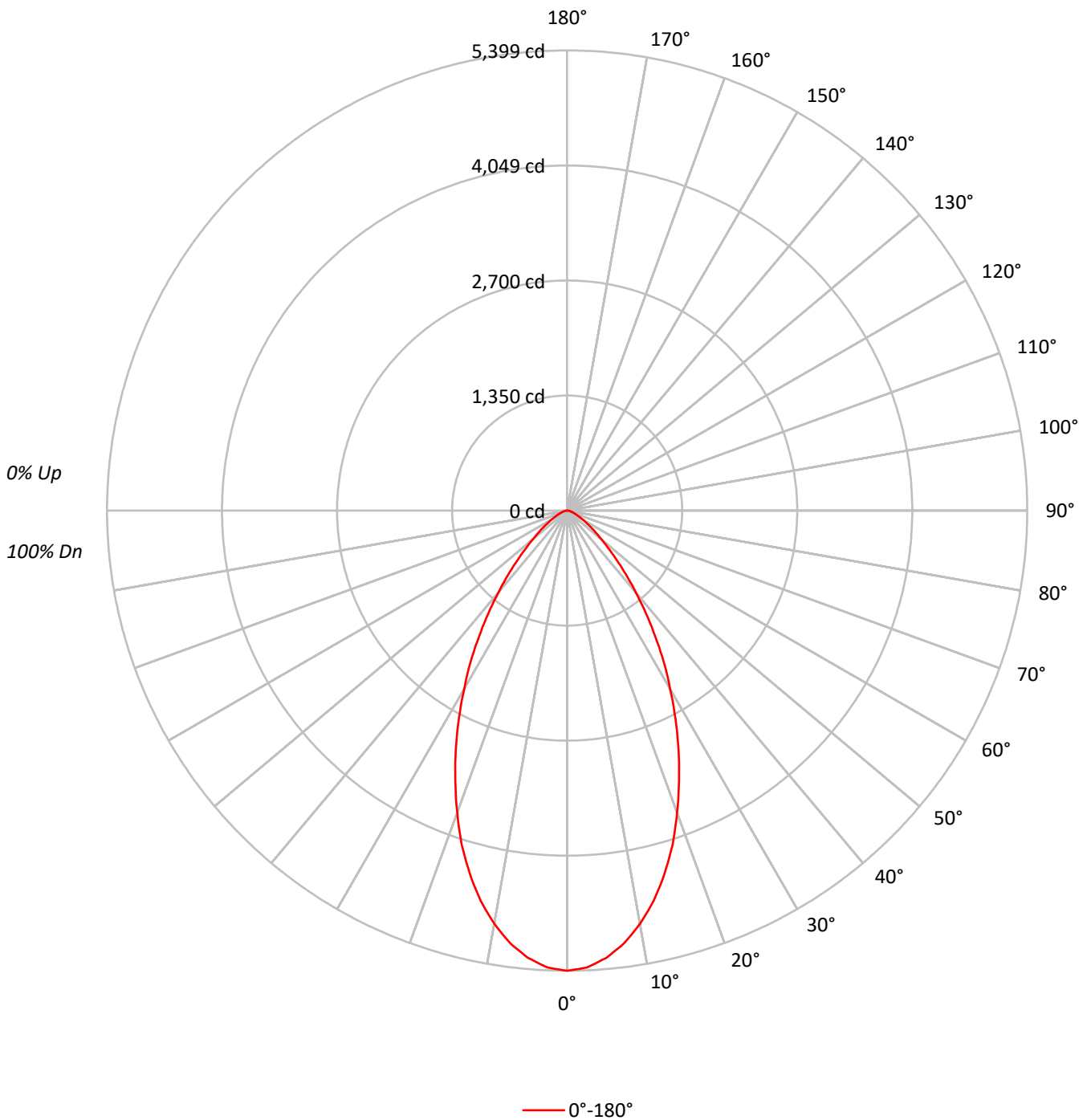
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	386571
5°	378589
10°	357912
15°	327118
20°	287385
25°	244272
30°	199843
35°	157303
40°	117211
45°	83114
50°	58648
55°	42119
60°	30159
65°	21890
70°	17041
75°	13915
80°	11834
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.0	9.1
10°-20°	1227.9	22.6
20°-30°	1412.5	26.0
30°-40°	1127.1	20.8
40°-50°	649.7	12.0
50°-60°	309.7	5.7
60°-70°	134.0	2.5
70°-80°	54.9	1.0
80°-90°	16.3	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°	3132.4	57.8
0°-40°	4259.4	78.5
0°-60°	5218.8	96.2
0°-90°	5424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5424.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5399	
5°	5267	492
15°	4413	1228
25°	3092	1413
35°	1800	1127
45°	821	650
55°	337	310
65°	129	134
75°	50	55
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5398.9
2.5°	5365.4
5°	5267.3
7.5°	5121.3
10°	4922.7
12.5°	4690.5
15°	4412.9
17.5°	4111.4
20°	3771.6
22.5°	3429.4
25°	3091.9
27.5°	2749.7
30°	2417.1
32.5°	2113.1
35°	1799.6
37.5°	1519.6
40°	1254.0
42.5°	1026.7
45°	820.8
47.5°	658.1
50°	526.5
52.5°	421.2
55°	337.4
57.5°	265.6
60°	210.6
62.5°	165.1
65°	129.2
67.5°	102.9
70°	81.4
72.5°	64.6
75°	50.3
77.5°	38.3
80°	28.7
82.5°	21.5
85°	14.4
87.5°	9.6
90°	0.0

(END OF REPORT)