

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: P366522

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366522
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-FEU6B67-8027-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4895.1 lumens
Efficiency: N/A
Efficacy: 66.7 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

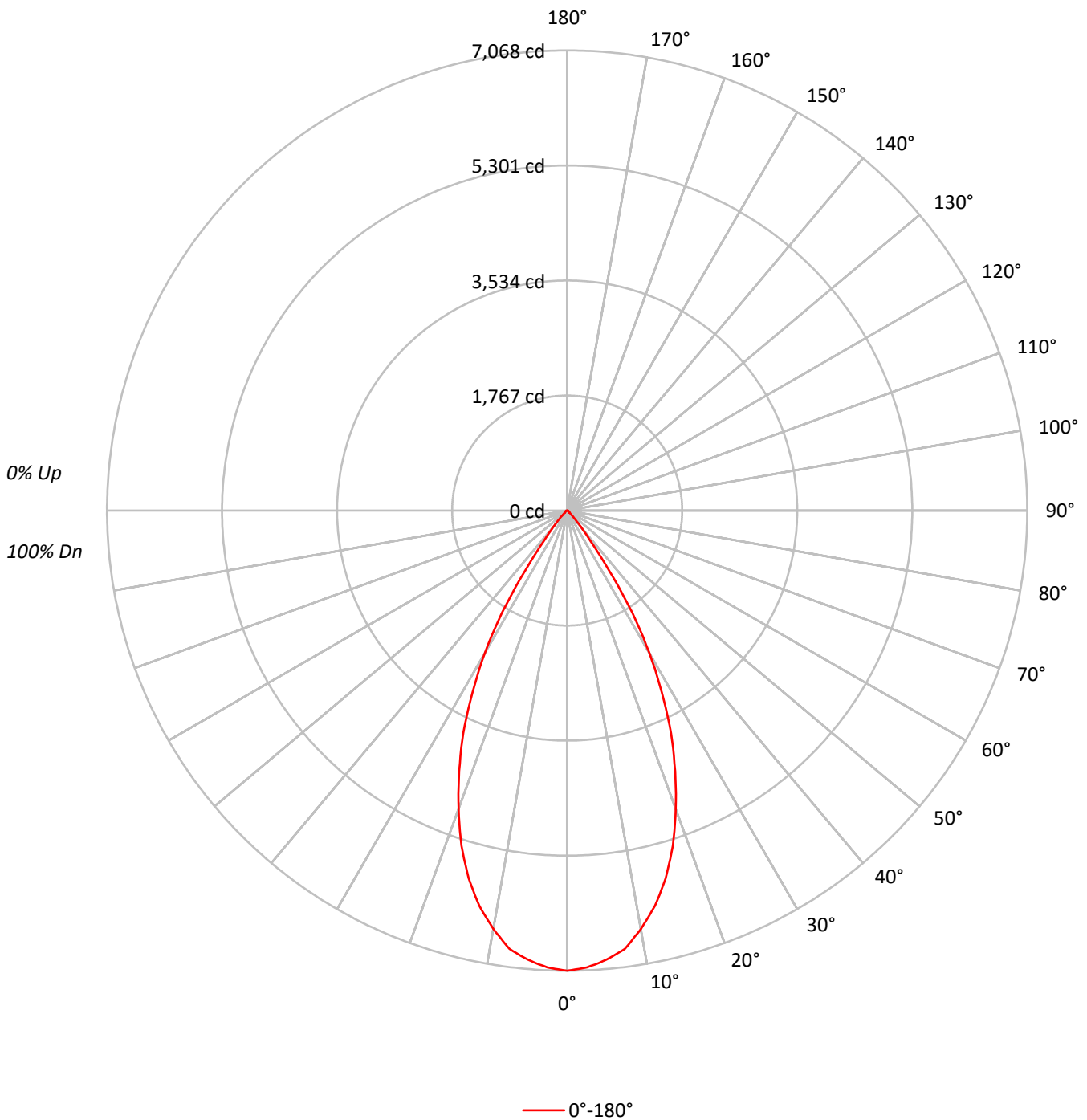
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	506089
5°	497758
10°	474279
15°	433388
20°	371659
25°	298208
30°	209086
35°	96596
40°	31013
45°	10015
50°	4645
55°	4120
60°	4096
65°	3727
70°	3685
75°	4260
80°	5443
85°	9037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.5	13.3
10°-20°	1617.9	33.1
20°-30°	1699.1	34.7
30°-40°	754.0	15.4
40°-50°	97.4	2.0
50°-60°	30.5	0.6
60°-70°	21.5	0.4
70°-80°	15.7	0.3
80°-90°	9.6	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
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0°-30°	3966.5	81.0
0°-40°	4720.4	96.4
0°-60°	4848.3	99.0
0°-90°	4895.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4895.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7068	
5°	6925	649
15°	5846	1618
25°	3775	1699
35°	1105	754
45°	99	97
55°	33	30
65°	22	21
75°	15	16
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7068.1
2.5°	7024.2
5°	6925.3
7.5°	6791.3
10°	6523.2
12.5°	6222.2
15°	5846.5
17.5°	5396.1
20°	4877.6
22.5°	4332.7
25°	3774.6
27.5°	3148.5
30°	2528.9
32.5°	1858.8
35°	1105.1
37.5°	588.8
40°	331.8
42.5°	182.4
45°	98.9
47.5°	50.5
50°	41.7
52.5°	37.4
55°	33.0
57.5°	30.8
60°	28.6
62.5°	24.2
65°	22.0
67.5°	17.6
70°	17.6
72.5°	15.4
75°	15.4
77.5°	13.2
80°	13.2
82.5°	11.0
85°	11.0
87.5°	6.6
90°	0.0

(END OF REPORT)