

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: P366578

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5624.0 lumens
Efficiency: N/A
Efficacy: 76.6 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

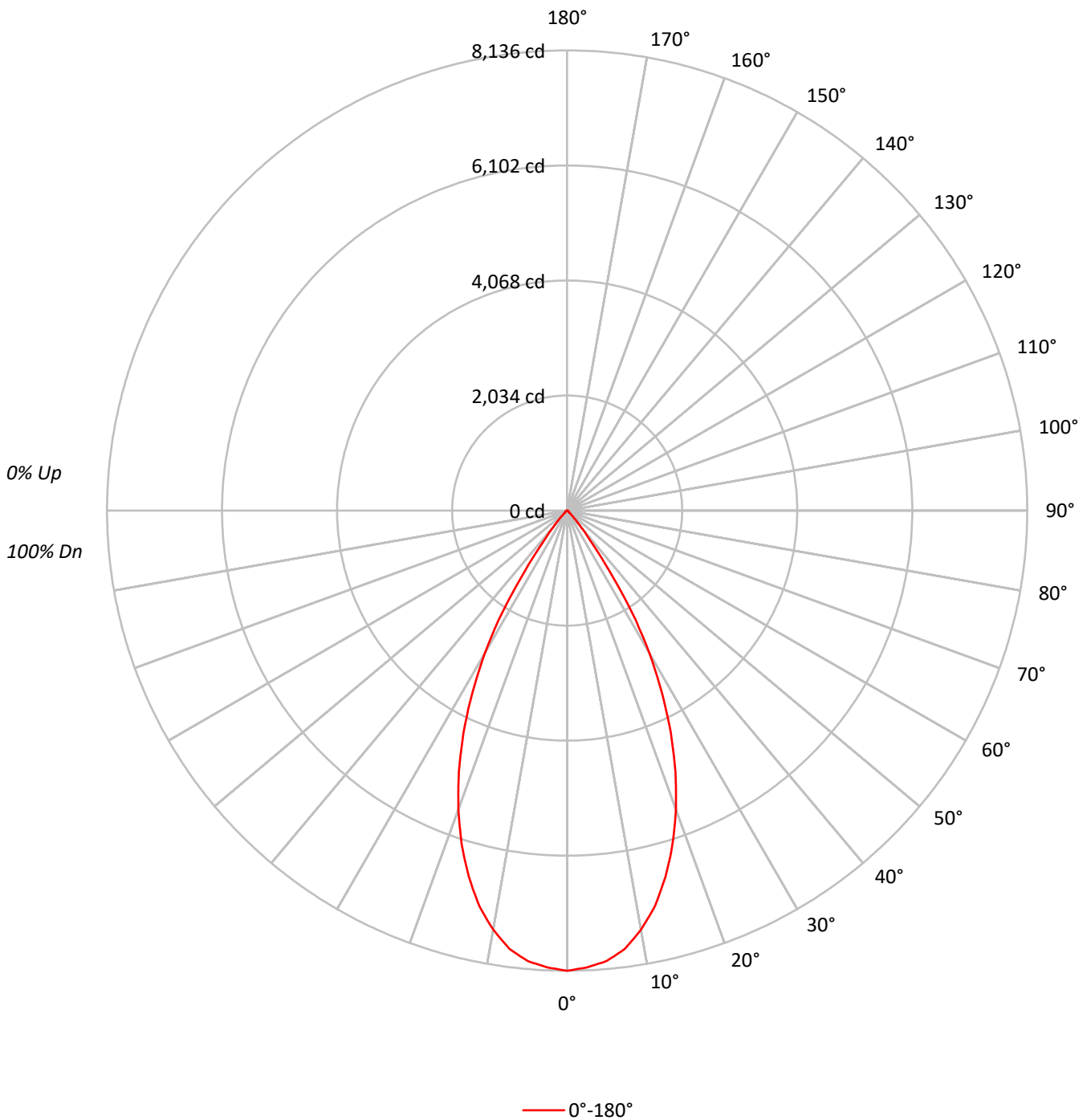
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	582553
5°	574694
10°	547036
15°	497293
20°	428228
25°	342316
30°	240025
35°	111657
40°	35275
45°	11027
50°	4846
55°	4531
60°	4153
65°	3693
70°	4061
75°	4675
80°	5979
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	748.5	13.3
10°-20°	1860.2	33.1
20°-30°	1955.6	34.8
30°-40°	867.6	15.4
40°-50°	108.5	1.9
50°-60°	32.4	0.6
60°-70°	22.8	0.4
70°-80°	17.9	0.3
80°-90°	10.6	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
0°-30°	4564.2	81.2
0°-40°	5431.8	96.6
0°-60°	5572.8	99.1
0°-90°	5624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5624.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8136	
5°	7996	748
15°	6709	1860
25°	4333	1956
35°	1277	868
45°	109	109
55°	36	32
65°	22	23
75°	17	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8136.0
2.5°	8082.8
5°	7995.7
7.5°	7816.7
10°	7523.9
12.5°	7165.9
15°	6708.6
17.5°	6193.3
20°	5620.0
22.5°	4998.2
25°	4332.9
27.5°	3626.5
30°	2903.1
32.5°	2136.2
35°	1277.4
37.5°	679.8
40°	377.4
42.5°	205.6
45°	108.9
47.5°	53.2
50°	43.5
52.5°	38.7
55°	36.3
57.5°	33.9
60°	29.0
62.5°	26.6
65°	21.8
67.5°	19.4
70°	19.4
72.5°	16.9
75°	16.9
77.5°	16.9
80°	14.5
82.5°	12.1
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)