

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: LUMIERE

Report Number: P220690

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3597-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3597-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1430.8 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

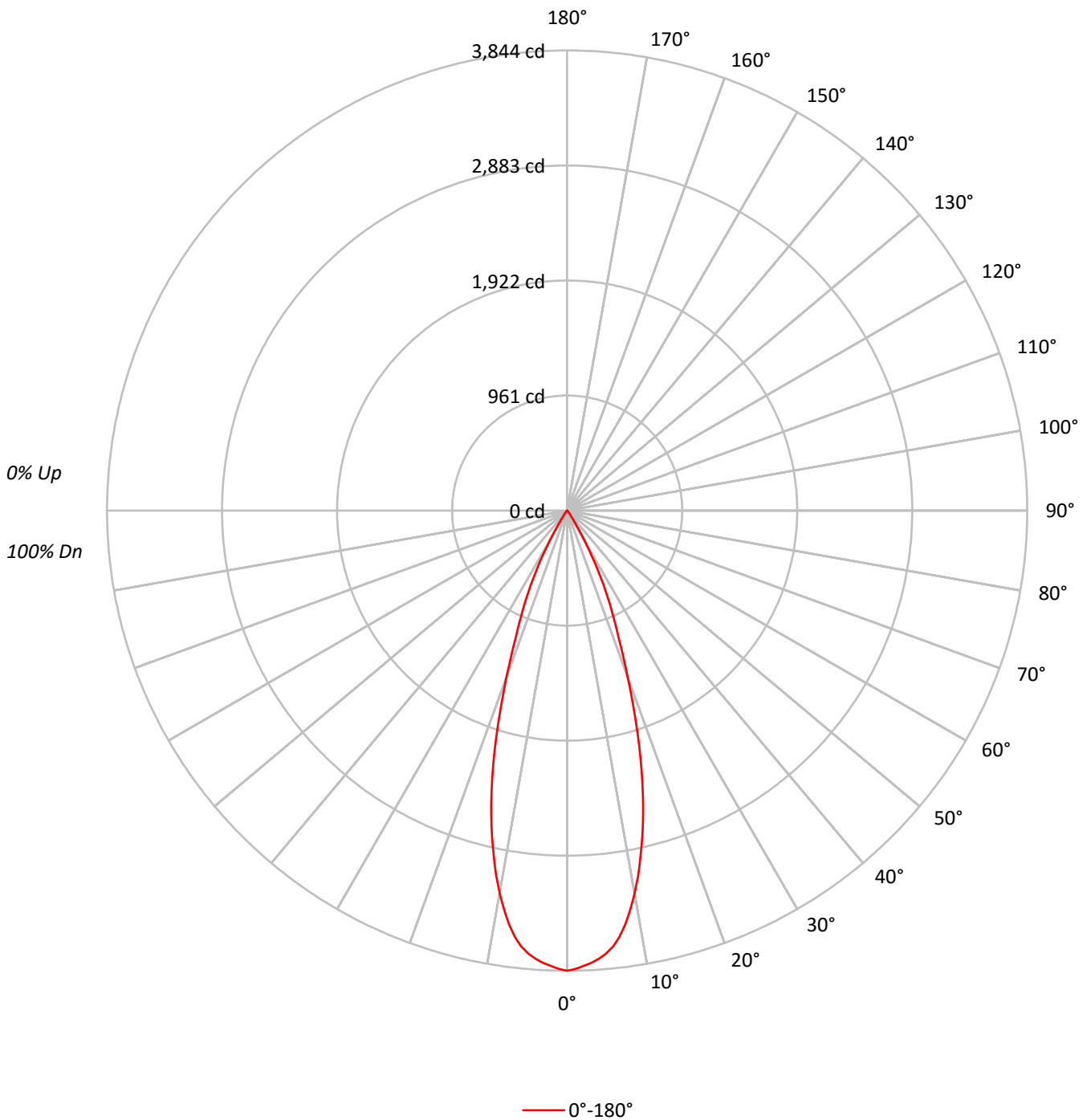
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	842871
5°	817894
10°	723055
15°	555259
20°	345620
25°	194866
30°	73986
35°	15847
40°	6183
45°	1985
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	23.8
10°-20°	656.3	45.9
20°-30°	366.0	25.6
30°-40°	55.3	3.9
40°-50°	6.1	0.4
50°-60°	3.1	0.2
60°-70°	2.1	0.1
70°-80°	1.4	0.1
80°-90°	0.3	0.0
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°	1362.4	95.2
0°-40°	1417.7	99.1
0°-60°	1427.0	99.7
0°-90°	1430.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1430.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3844	
5°	3716	340
15°	2446	656
25°	805	366
35°	59	55
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3843.8
1°	3830.1
2°	3807.7
3°	3784.5
4°	3754.9
5°	3715.7
6°	3662.8
7°	3586.8
8°	3489.1
9°	3373.8
10°	3247.3
11°	3105.6
12°	2951.9
13°	2792.5
14°	2622.0
15°	2445.9
16°	2255.3
17°	2058.4
18°	1858.2
19°	1666.9
20°	1481.1
21°	1309.0
22°	1156.9
23°	1028.8
24°	917.5
25°	805.4
26°	695.7
27°	589.3
28°	486.0
29°	386.7
30°	292.2
32.5°	116.9
35°	59.2
37.5°	36.8
40°	21.6
42.5°	8.0
45°	6.4
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)