

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: P220707

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1304.7 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

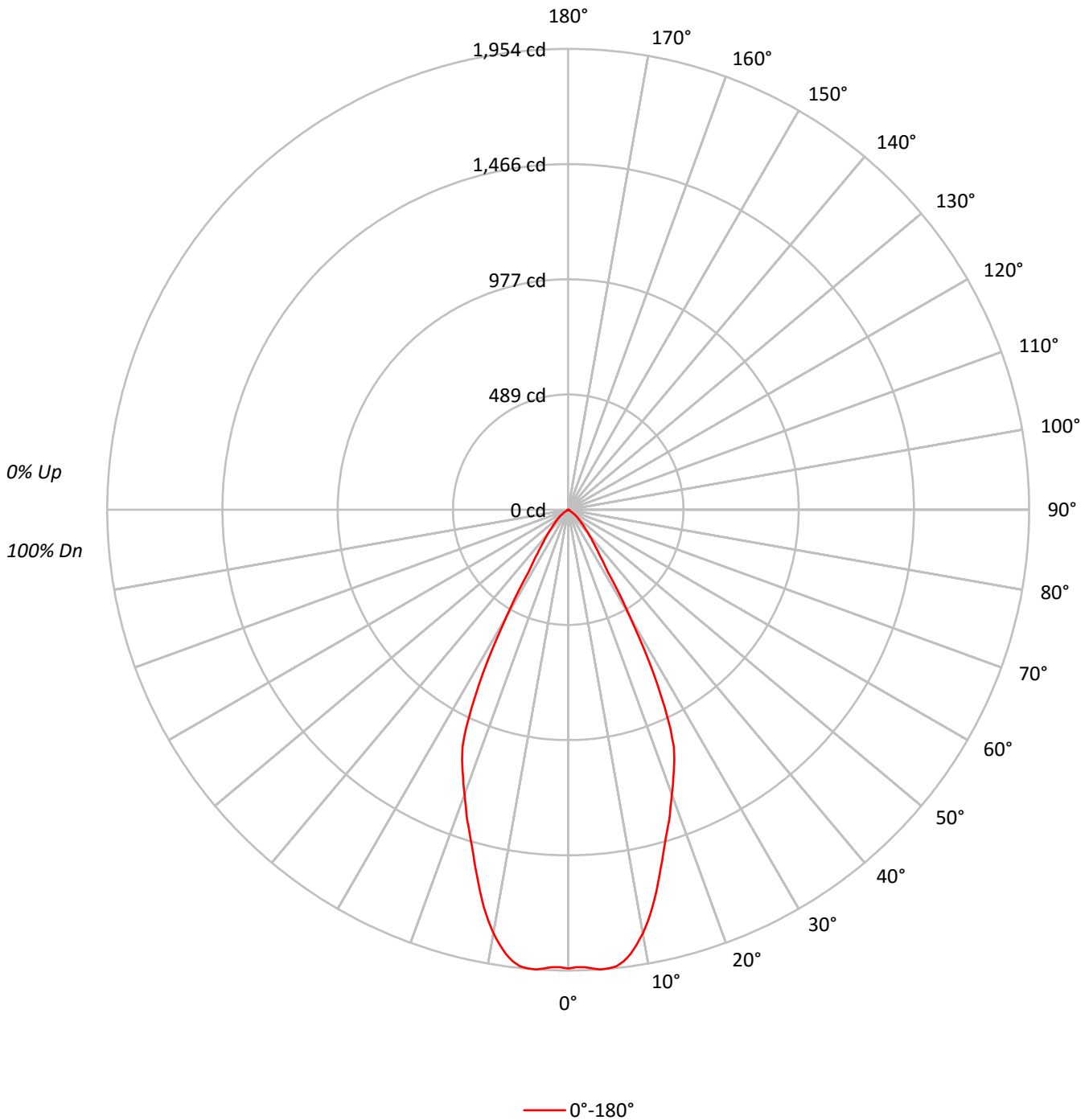
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	426611
5°	429825
10°	406094
15°	349332
20°	299859
25°	248143
30°	132375
35°	60231
40°	38501
45°	25336
50°	17739
55°	8869
60°	2105
65°	2075
70°	2052
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	14.0
10°-20°	430.3	33.0
20°-30°	439.8	33.7
30°-40°	159.3	12.2
40°-50°	65.6	5.0
50°-60°	21.2	1.6
60°-70°	3.8	0.3
70°-80°	1.8	0.1
80°-90°	0.5	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°	1052.6	80.7
0°-40°	1211.8	92.9
0°-60°	1298.6	99.5
0°-90°	1304.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1946	
5°	1953	182
15°	1539	430
25°	1026	440
35°	225	159
45°	82	66
55°	23	21
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1945.5
1°	1939.9
2°	1940.7
3°	1947.9
4°	1954.3
5°	1952.7
6°	1947.1
7°	1929.5
8°	1901.5
9°	1864.6
10°	1823.8
11°	1775.0
12°	1721.3
13°	1661.3
14°	1598.8
15°	1538.8
16°	1481.1
17°	1430.7
18°	1384.3
19°	1333.0
20°	1285.0
21°	1239.4
22°	1194.5
23°	1151.3
24°	1100.0
25°	1025.6
26°	934.3
27°	835.0
28°	730.2
29°	624.5
30°	522.8
32.5°	313.8
35°	225.0
37.5°	173.7
40°	134.5
42.5°	102.5
45°	81.7
47.5°	65.7
50°	52.0
52.5°	38.4
55°	23.2
57.5°	6.4
60°	4.8
62.5°	4.0
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	3.2
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)