

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: P220564

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-[RW, RI]-LED5080-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1421.3 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

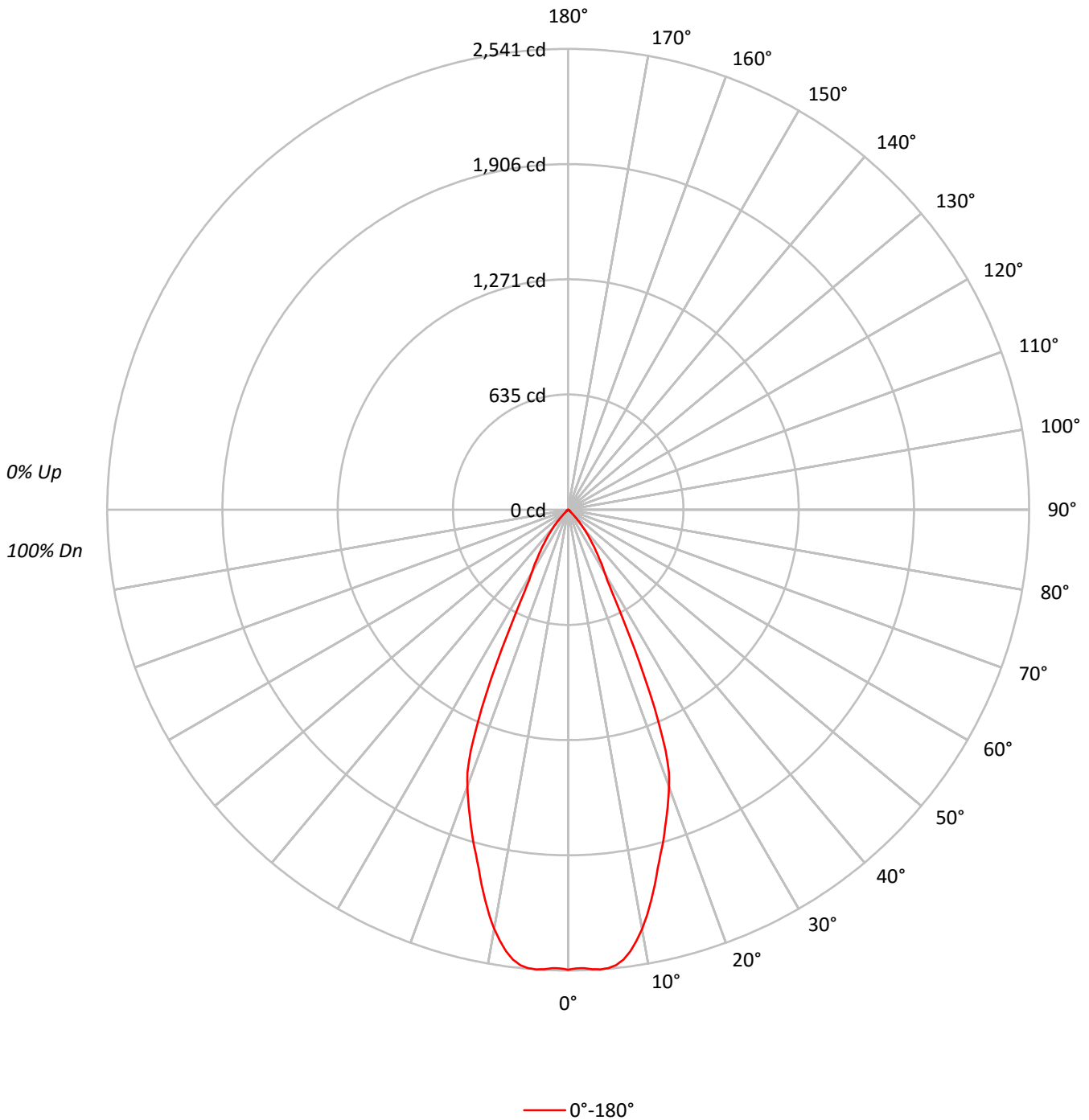
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220564

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220564

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV

**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	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	556271
5°	558638
10°	522524
15°	446427
20°	379386
25°	225449
30°	102573
35°	65076
40°	36869
45°	13521
50°	4264
55°	3173
60°	2719
65°	1608
70°	641
75°	847
80°	0
85°	0



TEST NUMBER: P220564

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.4	16.6
10°-20°	549.6	38.7
20°-30°	426.7	30.0
30°-40°	155.5	10.9
40°-50°	41.1	2.9
50°-60°	7.6	0.5
60°-70°	3.4	0.2
70°-80°	0.9	0.1
80°-90°	0.0	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°	1212.7	85.3
0°-40°	1368.2	96.3
0°-60°	1417.0	99.7
0°-90°	1421.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2537	
5°	2538	236
15°	1966	550
25°	932	427
35°	243	156
45°	44	41
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220564

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2536.8
1°	2529.6
2°	2529.6
3°	2536.8
4°	2541.0
5°	2537.9
6°	2525.4
7°	2499.4
8°	2458.9
9°	2405.9
10°	2346.7
11°	2278.2
12°	2202.3
13°	2122.3
14°	2040.3
15°	1966.5
16°	1900.0
17°	1829.4
18°	1761.9
19°	1693.3
20°	1625.8
21°	1551.0
22°	1432.6
23°	1276.7
24°	1107.4
25°	931.8
26°	766.7
27°	619.1
28°	508.0
29°	444.6
30°	405.1
32.5°	318.9
35°	243.1
37.5°	182.8
40°	128.8
42.5°	85.2
45°	43.6
47.5°	19.7
50°	12.5
52.5°	9.3
55°	8.3
57.5°	7.3
60°	6.2
62.5°	4.2
65°	3.1



TEST NUMBER: P220564

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.1
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)