

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: P220505

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 855.3 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

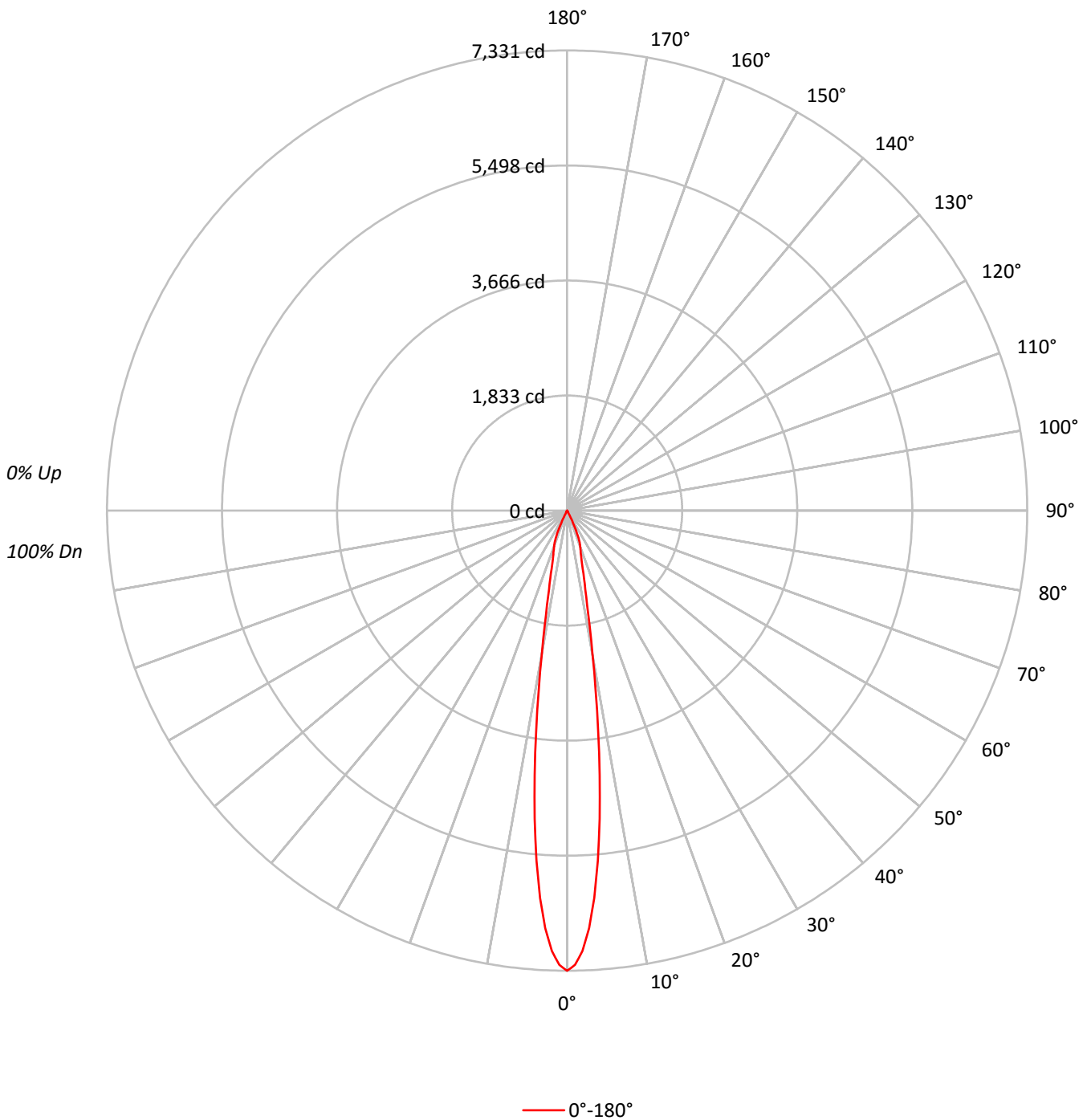
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220505

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220505

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	99	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84
8	96	91	87	84	95	90	87	84	89	86	84	88	86	84	88	85	83	82
9	94	88	85	82	94	88	85	82	87	84	82	87	84	82	86	83	82	81
10	92	87	83	81	92	86	83	81	86	83	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1607590
5°	1231562
10°	516668
15°	218049
20°	141832
25°	62157
30°	8406
35°	3159
40°	2261
45°	1737
50°	1535
55°	1491
60°	1228
65°	882
70°	385
75°	0
80°	0
85°	0



TEST NUMBER: P220505

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.2	49.2
10°-20°	293.7	34.3
20°-30°	121.1	14.2
30°-40°	9.5	1.1
40°-50°	4.6	0.5
50°-60°	3.3	0.4
60°-70°	1.7	0.2
70°-80°	0.2	0.0
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°	836.0	97.7
0°-40°	845.5	98.9
0°-60°	853.4	99.8
0°-90°	855.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7331	
5°	5595	421
15°	960	294
25°	257	121
35°	12	10
45°	6	5
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220505

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	7331.2
1°	7237.7
2°	7018.6
3°	6662.0
4°	6186.0
5°	5595.0
6°	4937.6
7°	4248.7
8°	3540.0
9°	2890.5
10°	2320.4
11°	1869.1
12°	1535.1
13°	1288.9
14°	1109.2
15°	960.5
16°	840.5
17°	762.2
18°	701.9
19°	649.0
20°	607.8
21°	570.1
22°	512.6
23°	434.3
24°	345.3
25°	256.9
26°	178.6
27°	107.0
28°	59.7
29°	40.0
30°	33.2
32.5°	21.4
35°	11.8
37.5°	9.0
40°	7.9
42.5°	6.8
45°	5.6
47.5°	5.1
50°	4.5
52.5°	3.9
55°	3.9
57.5°	3.4
60°	2.8
62.5°	2.3
65°	1.7



TEST NUMBER: P220505

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)