

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: P220701

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED2790-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220701
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-LED2790-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1229.5 lumens
Efficiency: N/A
Efficacy: 61.2 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

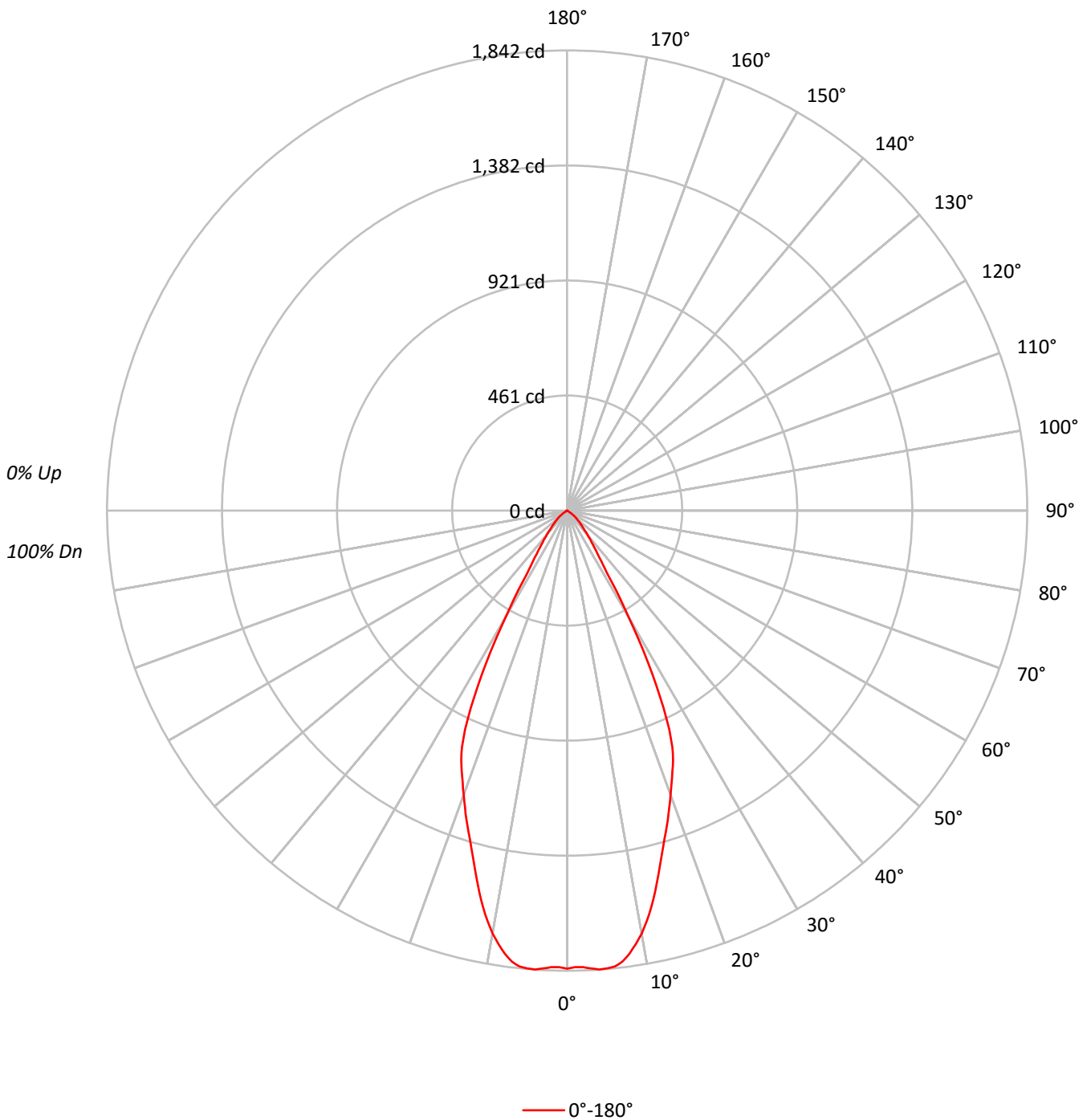
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	402007
5°	405040
10°	382669
15°	329173
20°	282568
25°	233820
30°	124728
35°	56751
40°	36268
45°	23878
50°	16716
55°	8372
60°	1974
65°	1972
70°	1923
75°	1271
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	14.0
10°-20°	405.5	33.0
20°-30°	414.4	33.7
30°-40°	150.1	12.2
40°-50°	61.8	5.0
50°-60°	19.9	1.6
60°-70°	3.6	0.3
70°-80°	1.7	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°	991.8	80.7
0°-40°	1141.9	92.9
0°-60°	1223.7	99.5
0°-90°	1229.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1833	
5°	1840	172
15°	1450	406
25°	966	414
35°	212	150
45°	77	62
55°	22	20
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1833.3
1°	1828.0
2°	1828.8
3°	1835.5
4°	1841.6
5°	1840.1
6°	1834.8
7°	1818.2
8°	1791.8
9°	1757.1
10°	1718.6
11°	1672.6
12°	1622.0
13°	1565.5
14°	1506.6
15°	1450.0
16°	1395.7
17°	1348.2
18°	1304.4
19°	1256.1
20°	1210.9
21°	1167.9
22°	1125.6
23°	1084.9
24°	1036.6
25°	966.4
26°	880.4
27°	786.9
28°	688.0
29°	588.5
30°	492.6
32.5°	295.7
35°	212.0
37.5°	163.7
40°	126.7
42.5°	96.6
45°	77.0
47.5°	61.9
50°	49.0
52.5°	36.2
55°	21.9
57.5°	6.0
60°	4.5
62.5°	3.8
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.0
70°	3.0
72.5°	2.3
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)