

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: P220544

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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]-LED2790-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1228.9 lumens
Efficiency: N/A
Efficacy: 61.1 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

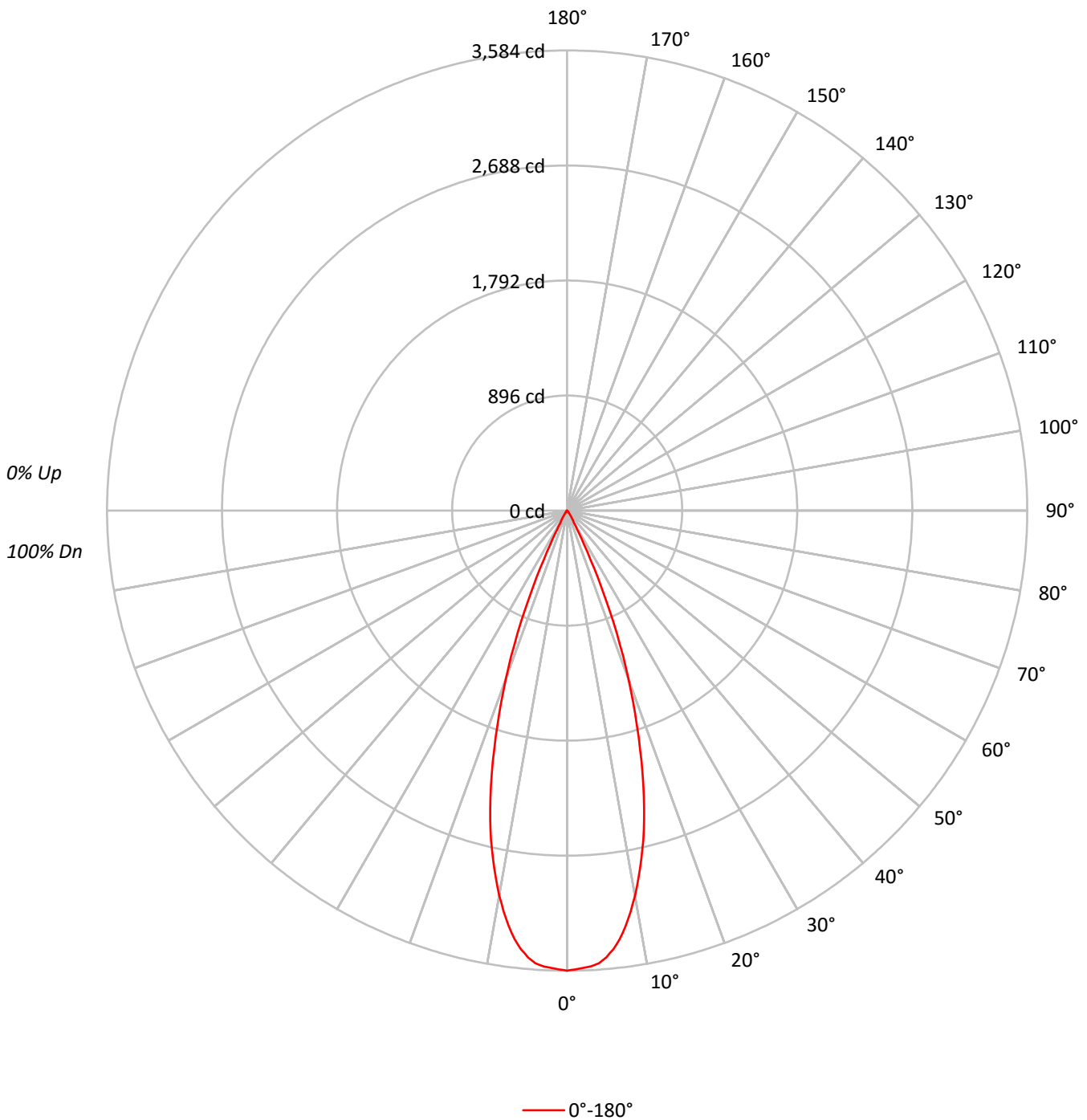
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220544

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-BK-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220544

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-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	115	113	111	109	112	110	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	785814
5°	768895
10°	677654
15°	523567
20°	325155
25°	120467
30°	25219
35°	9503
40°	3464
45°	2326
50°	2047
55°	1720
60°	1316
65°	778
70°	513
75°	0
80°	0
85°	0



TEST NUMBER: P220544

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-BK-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	26.0
10°-20°	618.9	50.4
20°-30°	252.1	20.5
30°-40°	26.6	2.2
40°-50°	6.2	0.5
50°-60°	4.0	0.3
60°-70°	1.8	0.1
70°-80°	0.3	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°	1190.0	96.8
0°-40°	1216.6	99.0
0°-60°	1226.8	99.8
0°-90°	1228.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3584	
5°	3493	319
15°	2306	619
25°	498	252
35°	36	27
45°	8	6
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220544

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-BK-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3583.6
1°	3574.5
2°	3564.0
3°	3554.2
4°	3534.5
5°	3493.1
6°	3436.5
7°	3362.5
8°	3268.2
9°	3161.1
10°	3043.4
11°	2914.4
12°	2777.1
13°	2633.7
14°	2476.8
15°	2306.3
16°	2132.8
17°	1940.4
18°	1760.9
19°	1573.8
20°	1393.4
21°	1217.7
22°	1031.3
23°	841.2
24°	660.9
25°	497.9
26°	356.8
27°	242.9
28°	160.7
29°	119.2
30°	99.6
32.5°	65.6
35°	35.5
37.5°	19.6
40°	12.1
42.5°	9.1
45°	7.5
47.5°	6.8
50°	6.0
52.5°	5.3
55°	4.5
57.5°	3.8
60°	3.0
62.5°	2.3
65°	1.5



TEST NUMBER: P220544

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED2790-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	0.8
72.5°	0.8
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)