

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: P220583

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED2797-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
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-LED2797-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1188.6 lumens
Efficiency: N/A
Efficacy: 59.1 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

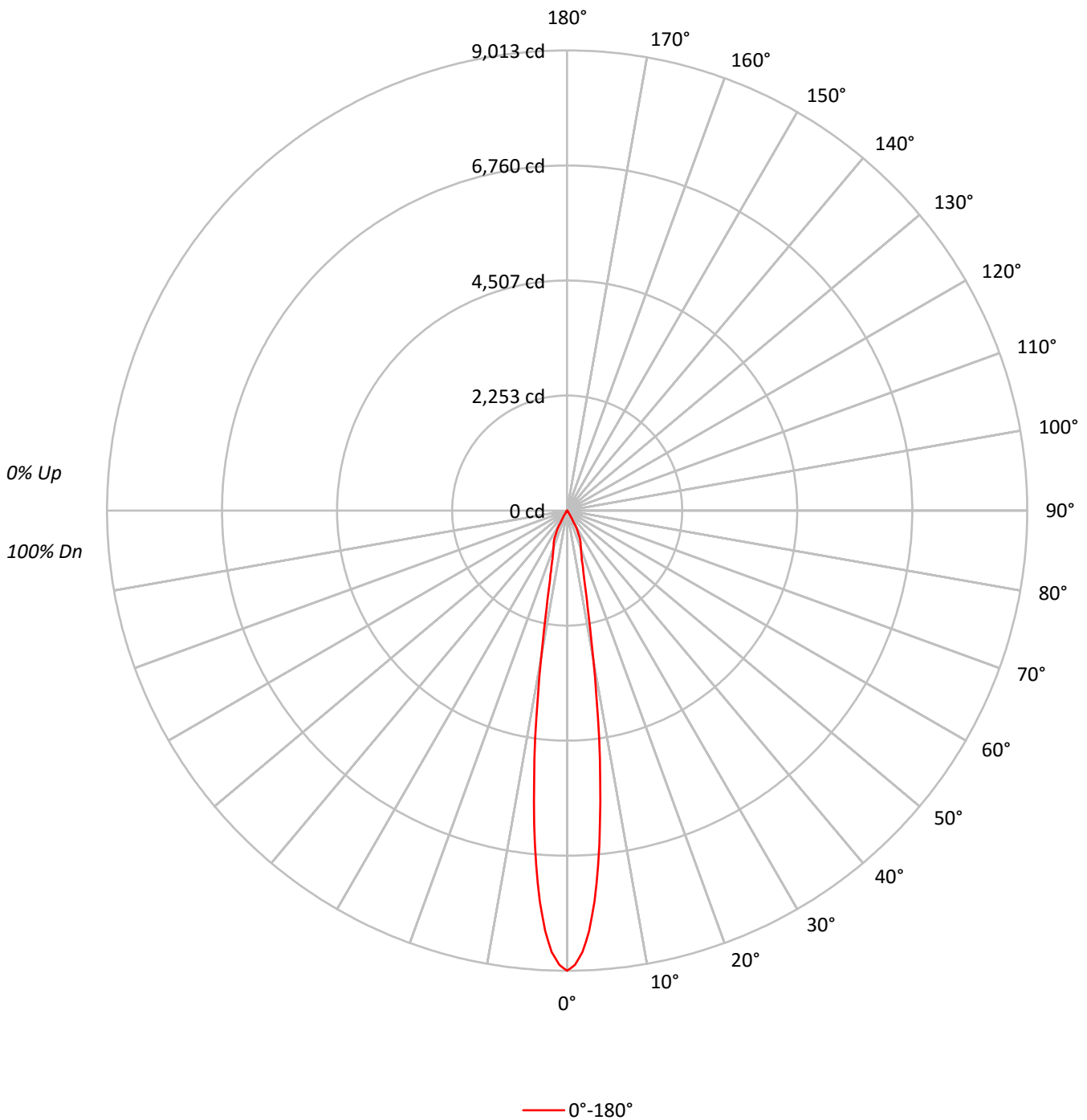
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220583

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-S-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220583

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-S-WT-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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	84	81	79	84	81	79	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1976289
5°	1534401
10°	655477
15°	277164
20°	183743
25°	137718
30°	52768
35°	8058
40°	4408
45°	1954
50°	1433
55°	1338
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



TEST NUMBER: P220583

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-S-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.8	44.3
10°-20°	373.3	31.4
20°-30°	240.6	20.2
30°-40°	34.7	2.9
40°-50°	5.5	0.5
50°-60°	3.4	0.3
60°-70°	2.6	0.2
70°-80°	1.3	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°	1140.7	96.0
0°-40°	1175.4	98.9
0°-60°	1184.2	99.6
0°-90°	1188.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9013	
5°	6971	527
15°	1221	373
25°	569	241
35°	30	35
45°	6	5
55°	4	3
65°	3	3
75°	1	1
85°	1	0
90°	0	



TEST NUMBER: P220583

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-S-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	9012.6
1°	8900.0
2°	8651.1
3°	8242.0
4°	7672.8
5°	6970.8
6°	6163.8
7°	5321.3
8°	4487.8
9°	3664.0
10°	2943.8
11°	2355.8
12°	1932.0
13°	1622.2
14°	1392.2
15°	1220.9
16°	1079.6
17°	976.8
18°	903.4
19°	839.1
20°	787.4
21°	742.6
22°	703.4
23°	667.1
24°	625.1
25°	569.2
26°	503.5
27°	432.8
28°	355.9
29°	279.7
30°	208.4
32.5°	69.2
35°	30.1
37.5°	21.7
40°	15.4
42.5°	7.7
45°	6.3
47.5°	4.9
50°	4.2
52.5°	4.2
55°	3.5
57.5°	3.5
60°	3.5
62.5°	2.8
65°	2.8



TEST NUMBER: P220583

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED2797-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)