

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: P220714

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 772.1 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

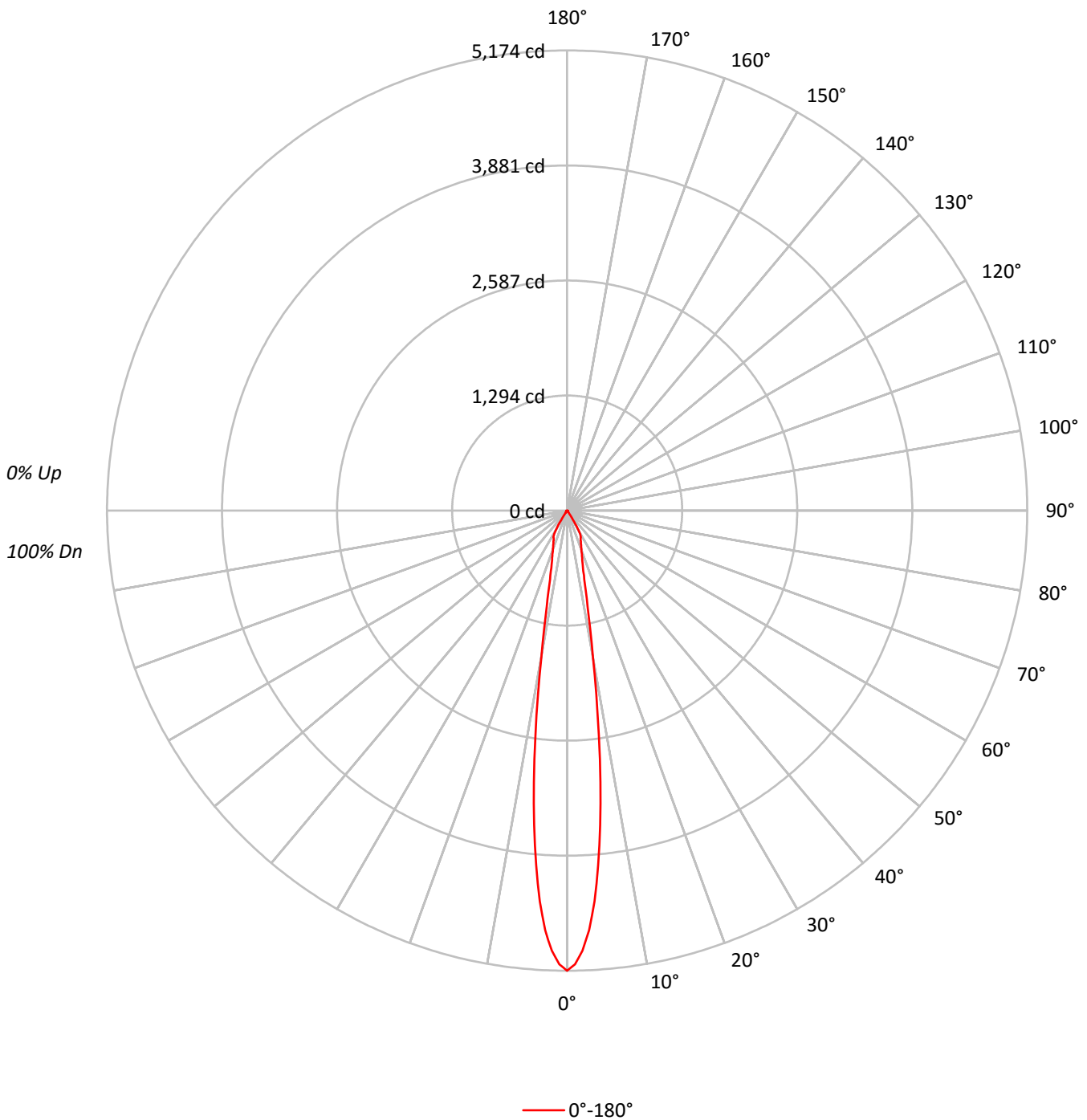
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220714

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220714

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-WT-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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	96	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	638178
5°	495923
10°	210154
15°	89847
20°	61352
25°	48900
30°	36561
35°	4849
40°	2592
45°	1884
50°	2015
55°	2193
60°	2442
65°	2802
70°	3282
75°	3908
80°	4546
85°	4529



TEST NUMBER: P220714

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	39.1
10°-20°	216.6	28.1
20°-30°	167.1	21.6
30°-40°	46.3	6.0
40°-50°	9.0	1.2
50°-60°	9.1	1.2
60°-70°	9.5	1.2
70°-80°	8.5	1.1
80°-90°	3.6	0.5
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°	686.0	88.8
0°-40°	732.3	94.8
0°-60°	750.4	97.2
0°-90°	772.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5174	
5°	4005	302
15°	704	217
25°	359	167
35°	32	46
45°	11	9
55°	10	9
65°	10	10
75°	8	9
85°	3	4
90°	0	



TEST NUMBER: P220714

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5173.9
1°	5101.5
2°	4951.2
3°	4722.9
4°	4405.5
5°	4005.3
6°	3553.4
7°	3076.3
8°	2559.8
9°	2091.5
10°	1677.9
11°	1351.9
12°	1104.7
13°	925.8
14°	799.2
15°	703.6
16°	632.6
17°	579.4
18°	537.6
19°	501.0
20°	467.4
22.5°	404.9
25°	359.3
26°	347.6
27°	337.6
28°	325.6
29°	299.6
30°	256.7
32.5°	123.4
35°	32.2
37.5°	20.8
40°	16.1
42.5°	12.0
45°	10.8
47.5°	10.5
50°	10.5
52.5°	10.2
55°	10.2
57.5°	10.2
60°	9.9
62.5°	9.9
65°	9.6
67.5°	9.4
70°	9.1
72.5°	8.8



TEST NUMBER: P220714

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	8.2
77.5°	7.6
80°	6.4
82.5°	5.3
85°	3.2
87.5°	1.5
90°	0.0

(END OF REPORT)