

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: P220805

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
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]-LED2790-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959.8 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

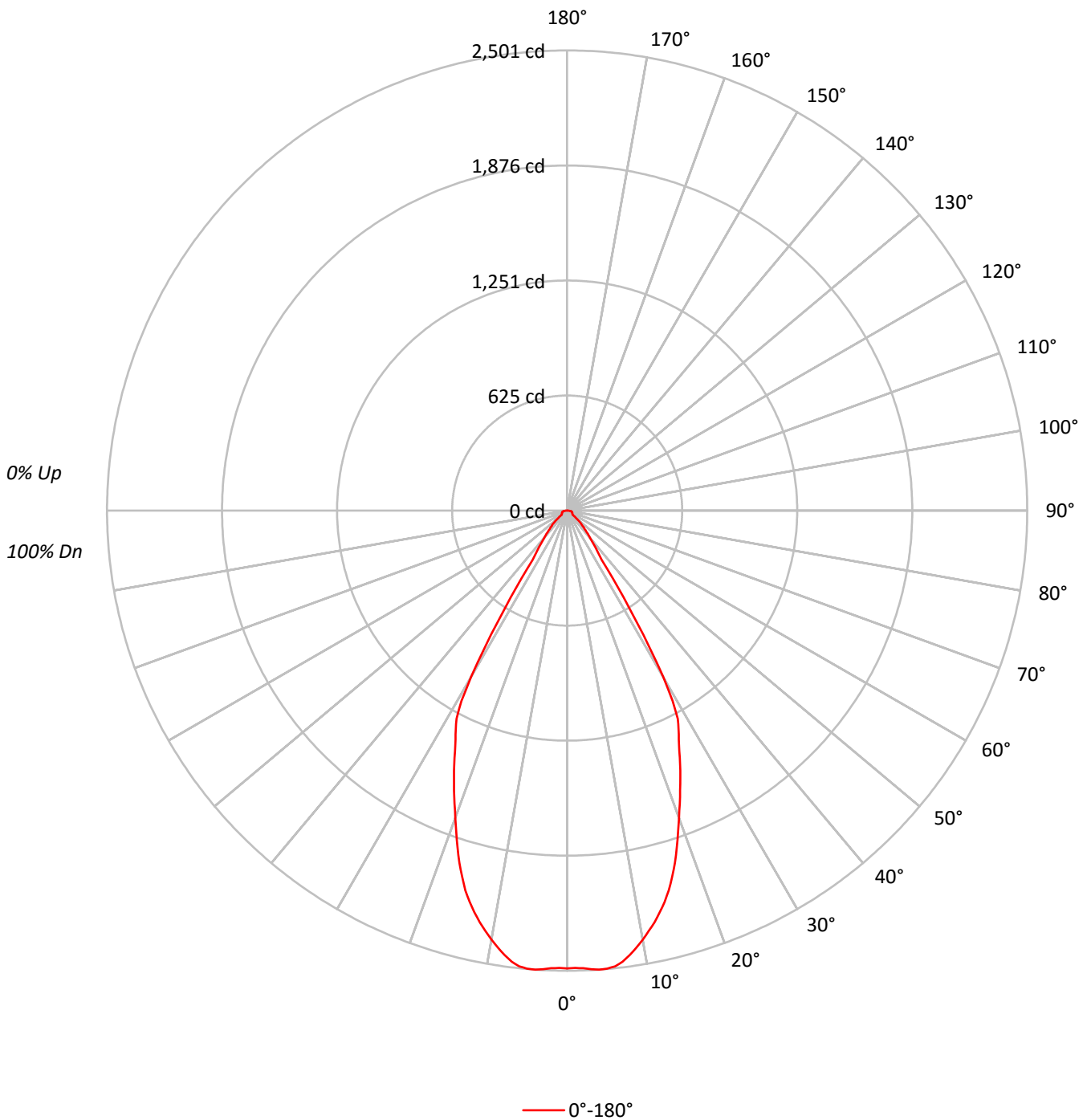
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220805

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2790-W-WT-L3-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220805

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2790-W-WT-L3-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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306995
5°	309480
10°	296513
15°	272837
20°	233213
25°	196320
30°	148395
35°	49299
40°	31334
45°	21316
50°	12454
55°	7462
60°	8190
65°	9018
70°	10350
75°	12581
80°	14988
85°	15001



TEST NUMBER: P220805

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2790-W-WT-L3-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	12.0
10°-20°	589.3	30.1
20°-30°	660.0	33.7
30°-40°	276.0	14.1
40°-50°	95.8	4.9
50°-60°	34.8	1.8
60°-70°	30.7	1.6
70°-80°	27.3	1.4
80°-90°	11.5	0.6
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°	1483.6	75.7
0°-40°	1759.7	89.8
0°-60°	1890.3	96.5
0°-90°	1959.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2489	
5°	2500	234
15°	2137	589
25°	1442	660
35°	327	276
45°	122	96
55°	35	35
65°	31	31
75°	26	27
85°	11	11
90°	0	



TEST NUMBER: P220805

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2790-W-WT-L3-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	2488.9
1°	2486.6
2°	2488.9
3°	2496.4
4°	2501.0
5°	2499.5
6°	2490.4
7°	2470.8
8°	2439.9
9°	2405.1
10°	2367.4
11°	2327.4
12°	2286.7
13°	2240.7
14°	2191.6
15°	2136.6
16°	2070.9
17°	2002.3
18°	1928.3
19°	1851.4
20°	1776.7
21°	1707.3
22°	1640.1
23°	1573.8
24°	1508.9
25°	1442.5
26°	1384.4
27°	1333.1
28°	1280.3
29°	1183.7
30°	1041.9
32.5°	624.7
35°	327.4
37.5°	250.5
40°	194.6
42.5°	151.6
45°	122.2
47.5°	98.1
50°	64.9
52.5°	38.5
55°	34.7
57.5°	33.9
60°	33.2
62.5°	32.4
65°	30.9



TEST NUMBER: P220805

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2790-W-WT-L3-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	29.4
70°	28.7
72.5°	27.9
75°	26.4
77.5°	24.1
80°	21.1
82.5°	16.6
85°	10.6
87.5°	4.5
90°	0.0

(END OF REPORT)