

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: P220329

Luminaire Tested: **9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 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: 733.2 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

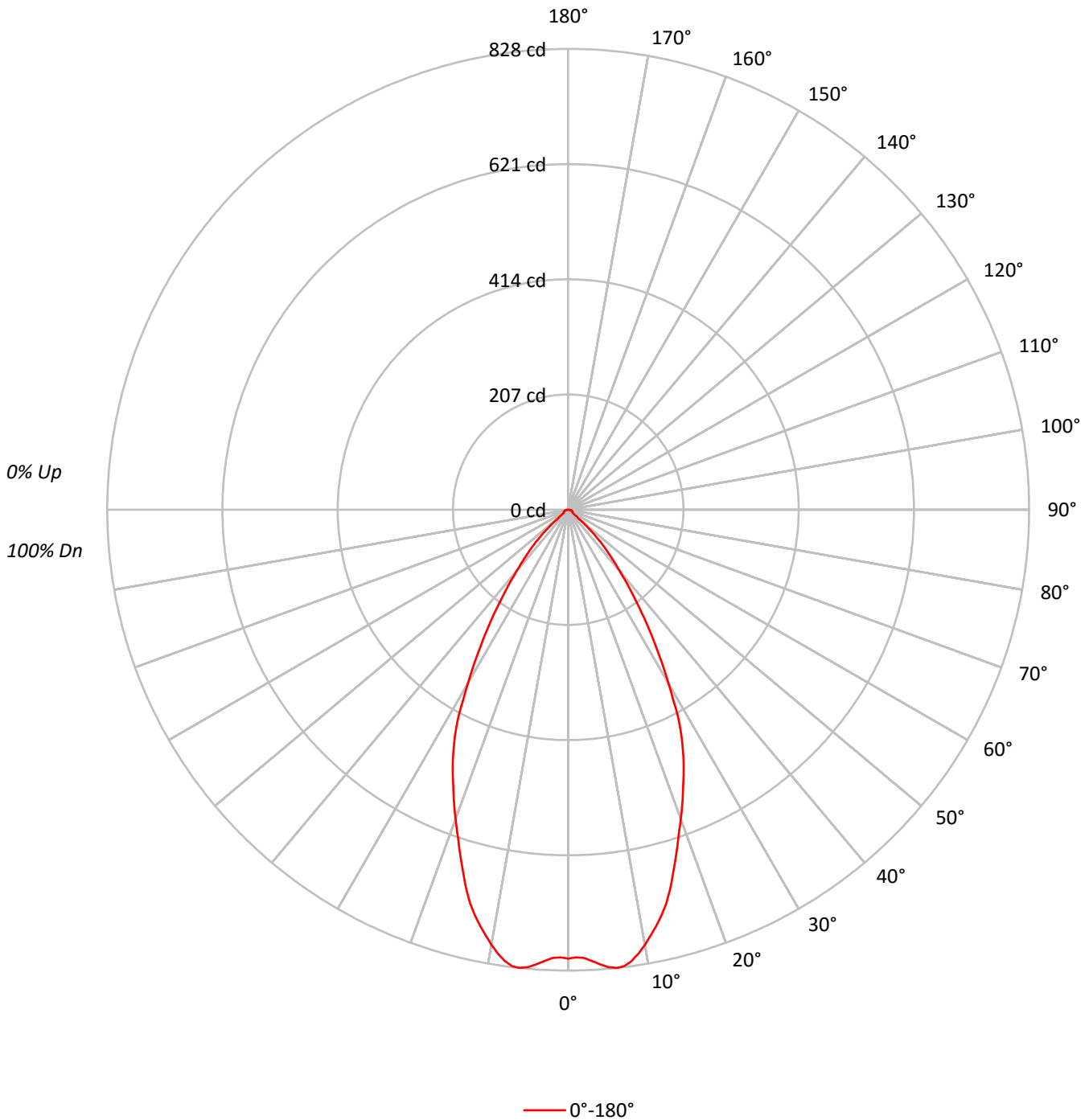
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220329

CATALOG NUMBER: 9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220329

CATALOG NUMBER: 9002-W1-[RW, RI]-LED2790-W-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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398009
5°	408543
10°	397686
15°	360971
20°	310196
25°	266367
30°	205379
35°	143228
40°	92680
45°	57075
50°	18038
55°	9118
60°	8980
65°	9690
70°	9809
75°	11628
80°	10797
85°	13020



TEST NUMBER: P220329

CATALOG NUMBER: 9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	10.6
10°-20°	195.3	26.6
20°-30°	221.0	30.1
30°-40°	150.1	20.5
40°-50°	62.0	8.5
50°-60°	10.7	1.5
60°-70°	8.0	1.1
70°-80°	6.0	0.8
80°-90°	2.2	0.3
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°	494.2	67.4
0°-40°	644.3	87.9
0°-60°	717.0	97.8
0°-90°	733.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	807	
5°	825	78
15°	707	195
25°	489	221
35°	238	150
45°	82	62
55°	11	11
65°	8	8
75°	6	6
85°	2	2
90°	0	



TEST NUMBER: P220329

CATALOG NUMBER: 9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	806.7
1°	804.4
2°	805.9
3°	812.0
4°	818.8
5°	824.9
6°	827.9
7°	826.4
8°	818.8
9°	807.4
10°	793.8
11°	778.6
12°	763.5
13°	746.8
14°	728.7
15°	706.7
16°	682.5
17°	658.2
18°	634.7
19°	612.0
20°	590.8
21°	571.1
22°	549.9
23°	529.4
24°	509.8
25°	489.3
26°	468.1
27°	444.6
28°	418.9
29°	387.8
30°	360.5
32.5°	295.4
35°	237.8
37.5°	187.1
40°	143.9
42.5°	110.6
45°	81.8
47.5°	50.7
50°	23.5
52.5°	11.4
55°	10.6
57.5°	9.8
60°	9.1
62.5°	8.3
65°	8.3



TEST NUMBER: P220329

CATALOG NUMBER: 9002-W1-[RW, RI]-LED2790-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.6
70°	6.8
72.5°	6.1
75°	6.1
77.5°	5.3
80°	3.8
82.5°	3.0
85°	2.3
87.5°	0.8
90°	0.0

(END OF REPORT)