

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: P220321

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

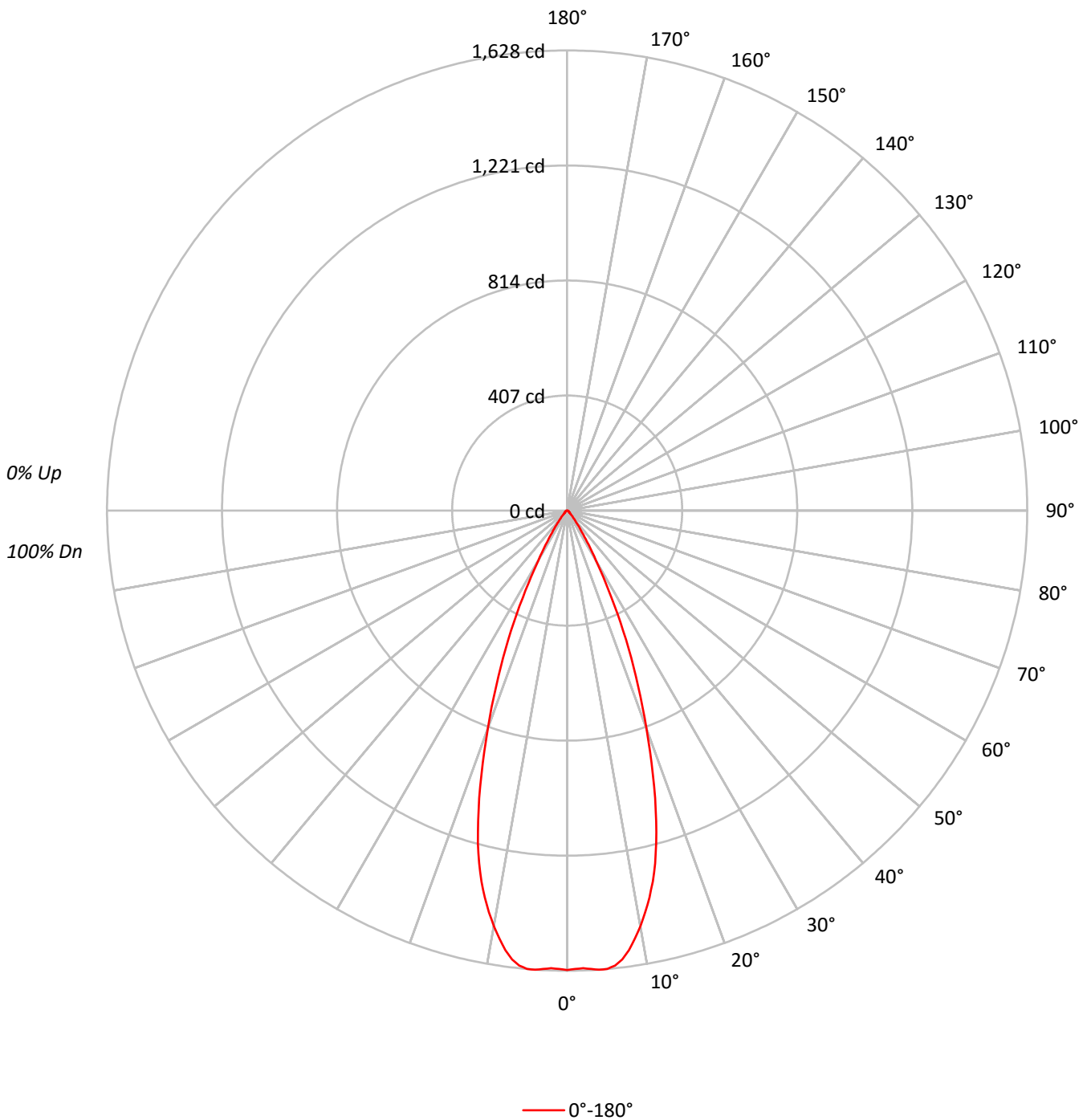
Lumens per Lamp: N/A
Luminaire Lumens: 788.4 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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



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Luminous Intensity Polar Plot





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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	801988
5°	806142
10°	747929
15°	622493
20°	430326
25°	255262
30°	115650
35°	51557
40°	23444
45°	12141
50°	8136
55°	7828
60°	7499
65°	7121
70°	7645
75°	8578
80°	8524
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	19.2
10°-20°	328.1	41.6
20°-30°	214.4	27.2
30°-40°	59.3	7.5
40°-50°	15.0	1.9
50°-60°	8.0	1.0
60°-70°	6.3	0.8
70°-80°	4.5	0.6
80°-90°	1.7	0.2
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°	693.7	88.0
0°-40°	753.0	95.5
0°-60°	775.9	98.4
0°-90°	788.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1626	
5°	1628	151
15°	1219	328
25°	469	214
35°	86	59
45°	17	15
55°	9	8
65°	6	6
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1625.5
1°	1621.7
2°	1620.2
3°	1624.0
4°	1628.5
5°	1627.7
6°	1618.7
7°	1599.7
8°	1570.2
9°	1533.1
10°	1492.9
11°	1448.2
12°	1399.8
13°	1346.7
14°	1286.1
15°	1218.7
16°	1143.0
17°	1063.4
18°	981.6
19°	900.6
20°	819.6
22.5°	634.7
25°	468.9
26°	407.5
27°	346.2
28°	291.6
29°	242.4
30°	203.0
32.5°	129.5
35°	85.6
37.5°	55.3
40°	36.4
42.5°	25.0
45°	17.4
47.5°	12.9
50°	10.6
52.5°	9.1
55°	9.1
57.5°	8.3
60°	7.6
62.5°	6.8
65°	6.1
67.5°	6.1
70°	5.3
72.5°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.5
77.5°	3.8
80°	3.0
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)