

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: P221218

Luminaire Tested: **9002-W2-[RW, RI]-LED2790-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221218
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-W2-[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

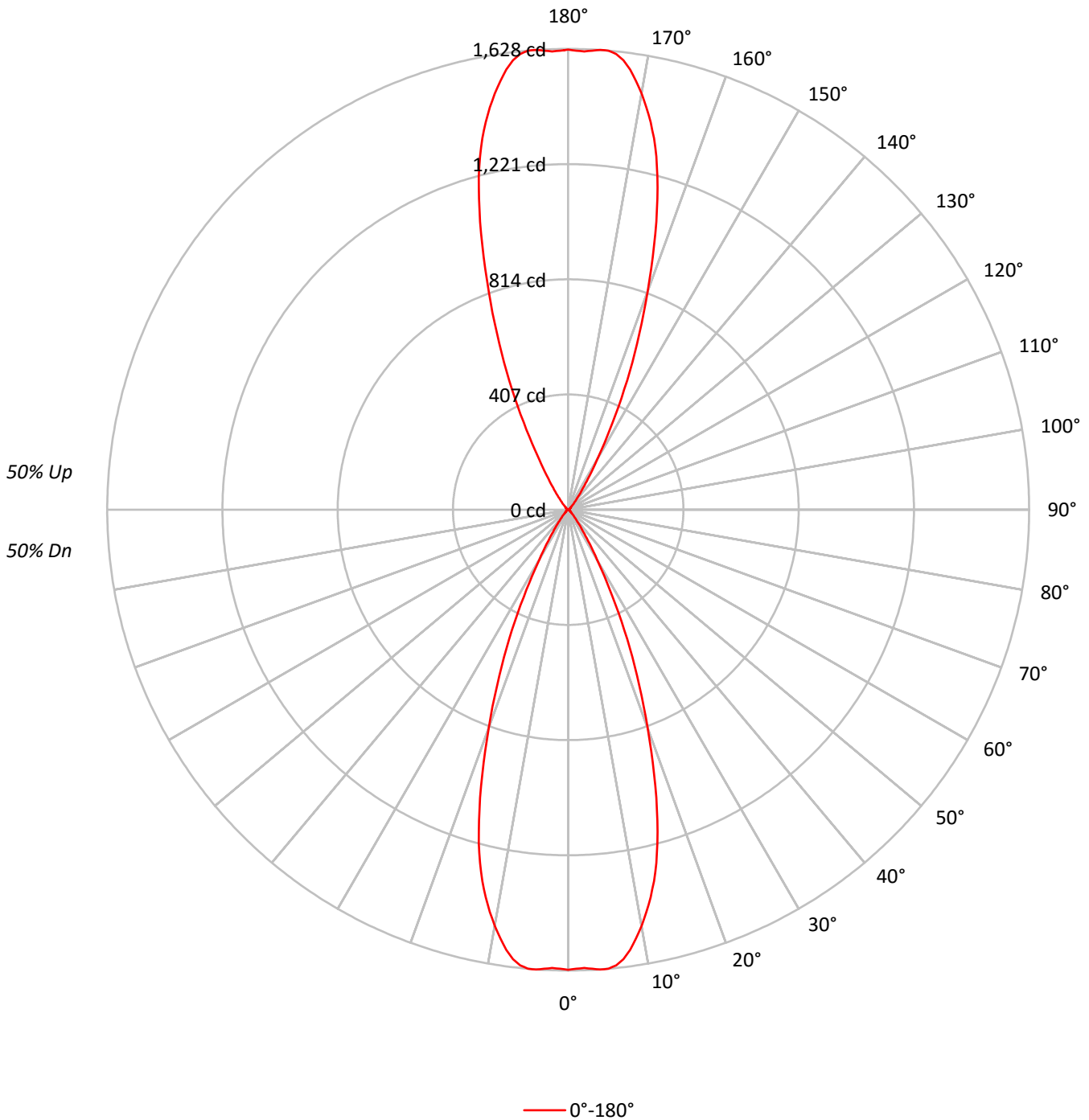
Lumens per Lamp: N/A
Luminaire Lumens: 1576.8 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	52	47
2	94	89	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60	57	55	53	49	47	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	47	48	46	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	44	46	43	41	41	39	37	35
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	53	47	43	59	51	46	42	46	42	39	42	39	37	38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37	40	37	35	36	34	33	31

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	9.6
10°-20°	328.1	20.8
20°-30°	214.4	13.6
30°-40°	59.3	3.8
40°-50°	15.0	1.0
50°-60°	8.0	0.5
60°-70°	6.3	0.4
70°-80°	4.5	0.3
80°-90°	1.7	0.1
90°-100°	1.7	0.1
100°-110°	4.5	0.3
110°-120°	6.3	0.4
120°-130°	8.0	0.5
130°-140°	15.0	1.0
140°-150°	59.3	3.8
150°-160°	214.4	13.6
160°-170°	328.1	20.8
170°-180°	151.1	9.6
0°-30°	693.7	44.0
0°-40°	753.0	47.8
0°-60°	775.9	49.2
0°-90°	788.4	50.0
90°-120°	12.4	0.8
90°-150°	94.7	6.0
90°-180°	788.0	50.0
0°-180°	1576.8	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	0
95°	2	2
105°	4	4
115°	6	6
125°	9	8
135°	17	15
145°	86	59
155°	469	214
165°	1219	328
175°	1628	151
180°	1626	



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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
92.5°	0.8
95°	1.5
97.5°	2.3
100°	3.0
102.5°	3.8
105°	4.5
107.5°	4.5
110°	5.3
112.5°	6.1
115°	6.1
117.5°	6.8
120°	7.6
122.5°	8.3
125°	9.1
127.5°	9.1
130°	10.6
132.5°	12.9
135°	17.4
137.5°	25.0
140°	36.4
142.5°	55.3
145°	85.6
147.5°	129.5
150°	203.0
151°	242.4
152°	291.6
153°	346.2
154°	407.5
155°	468.9
157.5°	634.7
160°	819.6
161°	900.6
162°	981.6
163°	1063.4
164°	1143.0
165°	1218.7
166°	1286.1
167°	1346.7



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CANDELA DISTRIBUTION (continued):

	0°
168°	1399.8
169°	1448.2
170°	1492.9
171°	1533.1
172°	1570.2
173°	1599.7
174°	1618.7
175°	1627.7
176°	1628.5
177°	1624.0
178°	1620.2
179°	1621.7
180°	1625.5

(END OF REPORT)