

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: P221512

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2698.6 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

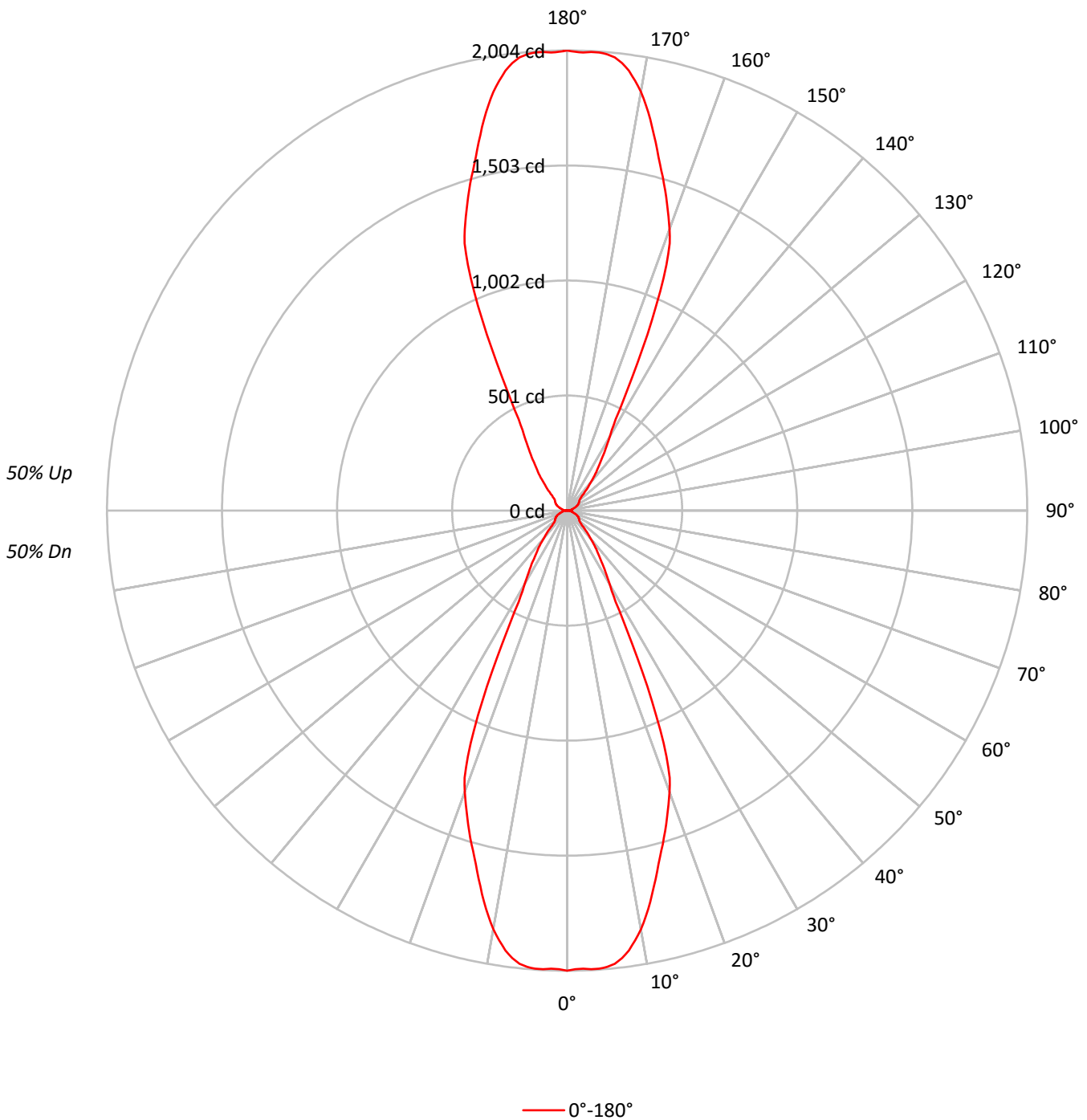
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-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	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	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46				
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42				
3	86	79	73	68	80	73	68	64	64	60	57	55	52	50	46	44	43	39				
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37				
5	76	66	59	54	70	62	56	52	55	50	47	48	44	42	41	39	37	34				
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32				
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30				
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29				
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27				
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439373
5°	439136
10°	412061
15°	354417
20°	304363
25°	187438
30°	93559
35°	65585
40°	45628
45°	29274
50°	23812
55°	24238
60°	24691
65°	23868
70°	21350
75°	20164
80°	21972
85°	21889



TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	6.9
10°-20°	436.9	16.2
20°-30°	354.6	13.1
30°-40°	156.8	5.8
40°-50°	78.6	2.9
50°-60°	56.5	2.1
60°-70°	44.8	1.7
70°-80°	25.5	0.9
80°-90°	9.5	0.4
90°-100°	9.5	0.4
100°-110°	25.5	0.9
110°-120°	44.8	1.7
120°-130°	56.5	2.1
130°-140°	78.6	2.9
140°-150°	156.8	5.8
150°-160°	354.6	13.1
160°-170°	436.9	16.2
170°-180°	186.0	6.9
0°-30°	977.5	36.2
0°-40°	1134.3	42.0
0°-60°	1269.5	47.0
0°-90°	1349.3	50.0
90°-120°	79.8	3.0
90°-150°	371.8	13.8
90°-180°	1349.0	50.0
0°-180°	2698.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2004	
5°	1995	186
15°	1561	437
25°	775	355
35°	245	157
45°	94	79
55°	63	57
65°	46	45
75°	24	26
85°	9	9
90°	0	1
95°	9	9
105°	24	26
115°	46	45
125°	63	57
135°	94	79
145°	245	157
155°	775	355
165°	1561	437
175°	1995	186
180°	2004	



TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	2003.7
1°	1998.1
2°	1996.5
3°	1999.7
4°	1999.7
5°	1995.0
6°	1984.6
7°	1964.0
8°	1933.9
9°	1895.0
10°	1850.6
11°	1799.1
12°	1742.0
13°	1680.2
14°	1619.1
15°	1561.2
16°	1511.3
17°	1458.9
18°	1406.6
19°	1354.3
20°	1304.3
21°	1246.4
22°	1155.3
23°	1037.9
24°	909.5
25°	774.7
26°	647.8
27°	535.2
28°	449.6
29°	400.4
30°	369.5
32.5°	302.9
35°	245.0
37.5°	202.2
40°	159.4
42.5°	126.1
45°	94.4
47.5°	76.1
50°	69.8
52.5°	66.6
55°	63.4
57.5°	59.5
60°	56.3
62.5°	51.5
65°	46.0



TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	38.9
70°	33.3
72.5°	27.0
75°	23.8
77.5°	20.6
80°	17.4
82.5°	13.5
85°	8.7
87.5°	4.0
90°	0.0
92.5°	4.0
95°	8.7
97.5°	13.5
100°	17.4
102.5°	20.6
105°	23.8
107.5°	27.0
110°	33.3
112.5°	38.9
115°	46.0
117.5°	51.5
120°	56.3
122.5°	59.5
125°	63.4
127.5°	66.6
130°	69.8
132.5°	76.1
135°	94.4
137.5°	126.1
140°	159.4
142.5°	202.2
145°	245.0
147.5°	302.9
150°	369.5
151°	400.4
152°	449.6
153°	535.2
154°	647.8
155°	774.7
156°	909.5
157°	1037.9
158°	1155.3
159°	1246.4
160°	1304.3
161°	1354.3



TEST NUMBER: P221512

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1406.6
163°	1458.9
164°	1511.3
165°	1561.2
166°	1619.1
167°	1680.2
168°	1742.0
169°	1799.1
170°	1850.6
171°	1895.0
172°	1933.9
173°	1964.0
174°	1984.6
175°	1995.0
176°	1999.7
177°	1999.7
178°	1996.5
179°	1998.1
180°	2003.7

(END OF REPORT)