

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: P221448

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221448
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]-LED3097-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2402.2 lumens
Efficiency: N/A
Efficacy: 59.8 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

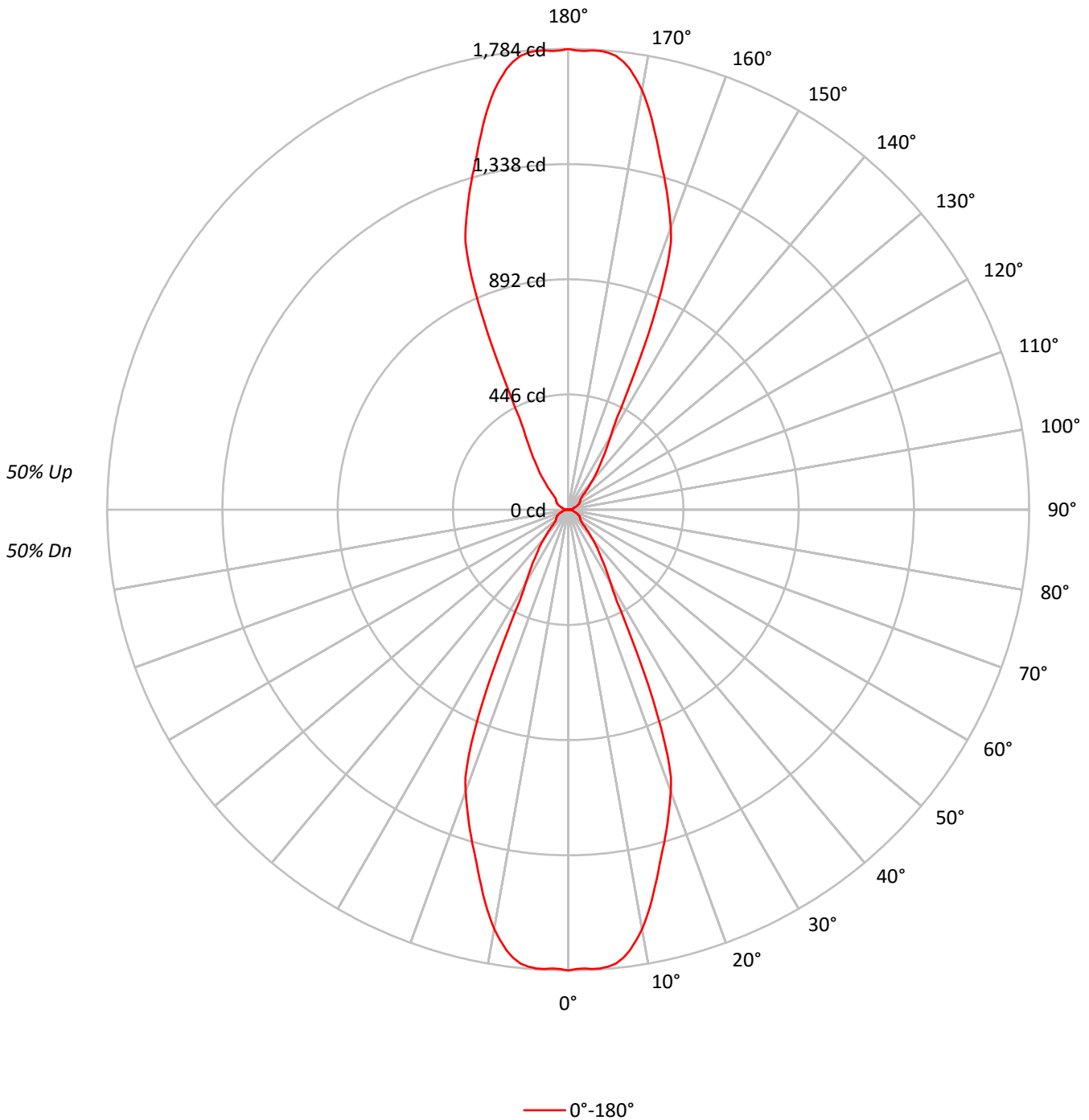
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-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	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°	391131
5°	390908
10°	366816
15°	315507
20°	270947
25°	166848
30°	83279
35°	58384
40°	40619
45°	26049
50°	21185
55°	21600
60°	21972
65°	21221
70°	18978
75°	17961
80°	19573
85°	19625



TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	6.9
10°-20°	388.9	16.2
20°-30°	315.7	13.1
30°-40°	139.6	5.8
40°-50°	70.0	2.9
50°-60°	50.3	2.1
60°-70°	39.9	1.7
70°-80°	22.7	0.9
80°-90°	8.4	0.4
90°-100°	8.4	0.4
100°-110°	22.7	0.9
110°-120°	39.9	1.7
120°-130°	50.3	2.1
130°-140°	70.0	2.9
140°-150°	139.6	5.8
150°-160°	315.7	13.1
160°-170°	388.9	16.2
170°-180°	165.6	6.9
0°-30°	870.2	36.2
0°-40°	1009.8	42.0
0°-60°	1130.1	47.0
0°-90°	1201.1	50.0
90°-120°	71.1	3.0
90°-150°	330.9	13.8
90°-180°	1201.0	50.0
0°-180°	2402.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1776	166
15°	1390	389
25°	690	316
35°	218	140
45°	84	70
55°	56	50
65°	41	40
75°	21	23
85°	8	8
90°	0	1
95°	8	8
105°	21	23
115°	41	40
125°	56	50
135°	84	70
145°	218	140
155°	690	316
165°	1390	389
175°	1776	166
180°	1784	



TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1783.7
1°	1778.7
2°	1777.3
3°	1780.1
4°	1780.1
5°	1775.9
6°	1766.7
7°	1748.4
8°	1721.5
9°	1687.0
10°	1647.4
11°	1601.6
12°	1550.7
13°	1495.7
14°	1441.3
15°	1389.8
16°	1345.3
17°	1298.7
18°	1252.2
19°	1205.6
20°	1161.1
21°	1109.6
22°	1028.4
23°	923.9
24°	809.6
25°	689.6
26°	576.7
27°	476.4
28°	400.2
29°	356.4
30°	328.9
32.5°	269.6
35°	218.1
37.5°	180.0
40°	141.9
42.5°	112.2
45°	84.0
47.5°	67.8
50°	62.1
52.5°	59.3
55°	56.5
57.5°	52.9
60°	50.1
62.5°	45.9
65°	40.9



TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	34.6
70°	29.6
72.5°	24.0
75°	21.2
77.5°	18.4
80°	15.5
82.5°	12.0
85°	7.8
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.8
97.5°	12.0
100°	15.5
102.5°	18.4
105°	21.2
107.5°	24.0
110°	29.6
112.5°	34.6
115°	40.9
117.5°	45.9
120°	50.1
122.5°	52.9
125°	56.5
127.5°	59.3
130°	62.1
132.5°	67.8
135°	84.0
137.5°	112.2
140°	141.9
142.5°	180.0
145°	218.1
147.5°	269.6
150°	328.9
151°	356.4
152°	400.2
153°	476.4
154°	576.7
155°	689.6
156°	809.6
157°	923.9
158°	1028.4
159°	1109.6
160°	1161.1
161°	1205.6



TEST NUMBER: P221448

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1252.2
163°	1298.7
164°	1345.3
165°	1389.8
166°	1441.3
167°	1495.7
168°	1550.7
169°	1601.6
170°	1647.4
171°	1687.0
172°	1721.5
173°	1748.4
174°	1766.7
175°	1775.9
176°	1780.1
177°	1780.1
178°	1777.3
179°	1778.7
180°	1783.7

(END OF REPORT)