

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: P221242

Luminaire Tested: **9002-W2-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221242
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]-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1608.2 lumens
Efficiency: N/A
Efficacy: 80.4 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

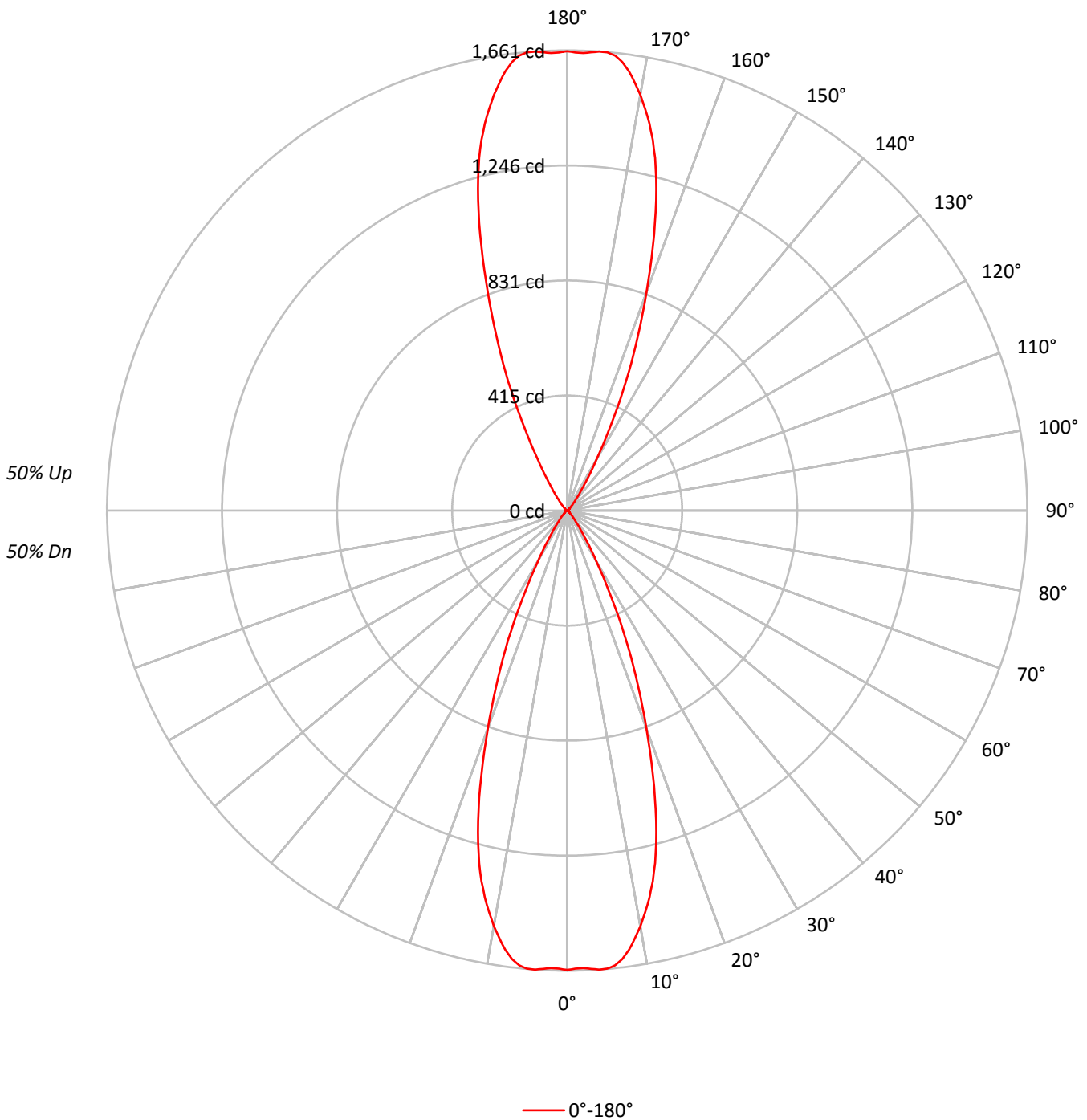
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	817974
5°	822287
10°	762859
15°	634956
20°	438884
25°	260324
30°	117986
35°	52581
40°	23895
45°	12420
50°	8290
55°	8000
60°	7598
65°	7238
70°	7790
75°	8769
80°	8808
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	9.6
10°-20°	334.7	20.8
20°-30°	218.7	13.6
30°-40°	60.5	3.8
40°-50°	15.3	1.0
50°-60°	8.1	0.5
60°-70°	6.4	0.4
70°-80°	4.6	0.3
80°-90°	1.7	0.1
90°-100°	1.7	0.1
100°-110°	4.6	0.3
110°-120°	6.4	0.4
120°-130°	8.1	0.5
130°-140°	15.3	1.0
140°-150°	60.5	3.8
150°-160°	218.7	13.6
160°-170°	334.7	20.8
170°-180°	154.1	9.6
0°-30°	707.5	44.0
0°-40°	768.0	47.8
0°-60°	791.4	49.2
0°-90°	804.1	50.0
90°-120°	12.7	0.8
90°-150°	96.6	6.0
90°-180°	804.0	50.0
0°-180°	1608.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1658	
5°	1660	154
15°	1243	335
25°	478	219
35°	87	60
45°	18	15
55°	9	8
65°	6	6
75°	5	5
85°	2	2
90°	0	0
95°	2	2
105°	5	5
115°	6	6
125°	9	8
135°	18	15
145°	87	60
155°	478	219
165°	1243	335
175°	1660	154
180°	1658	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1657.9
1°	1654.1
2°	1652.5
3°	1656.4
4°	1661.0
5°	1660.3
6°	1651.0
7°	1631.7
8°	1601.6
9°	1563.7
10°	1522.7
11°	1477.2
12°	1427.7
13°	1373.6
14°	1311.8
15°	1243.1
16°	1165.8
17°	1084.7
18°	1001.3
19°	918.6
20°	835.9
22.5°	647.4
25°	478.2
26°	415.6
27°	353.1
28°	297.4
29°	247.2
30°	207.1
32.5°	132.1
35°	87.3
37.5°	56.4
40°	37.1
42.5°	25.5
45°	17.8
47.5°	13.1
50°	10.8
52.5°	9.3
55°	9.3
57.5°	8.5
60°	7.7
62.5°	7.0
65°	6.2
67.5°	6.2
70°	5.4
72.5°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.6
77.5°	3.9
80°	3.1
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°	3.1
102.5°	3.9
105°	4.6
107.5°	4.6
110°	5.4
112.5°	6.2
115°	6.2
117.5°	7.0
120°	7.7
122.5°	8.5
125°	9.3
127.5°	9.3
130°	10.8
132.5°	13.1
135°	17.8
137.5°	25.5
140°	37.1
142.5°	56.4
145°	87.3
147.5°	132.1
150°	207.1
151°	247.2
152°	297.4
153°	353.1
154°	415.6
155°	478.2
157.5°	647.4
160°	835.9
161°	918.6
162°	1001.3
163°	1084.7
164°	1165.8
165°	1243.1
166°	1311.8
167°	1373.6



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CANDELA DISTRIBUTION (continued):

	0°
168°	1427.7
169°	1477.2
170°	1522.7
171°	1563.7
172°	1601.6
173°	1631.7
174°	1651.0
175°	1660.3
176°	1661.0
177°	1656.4
178°	1652.5
179°	1654.1
180°	1657.9

(END OF REPORT)