

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: P221318

Luminaire Tested: **9002-W2-FL-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

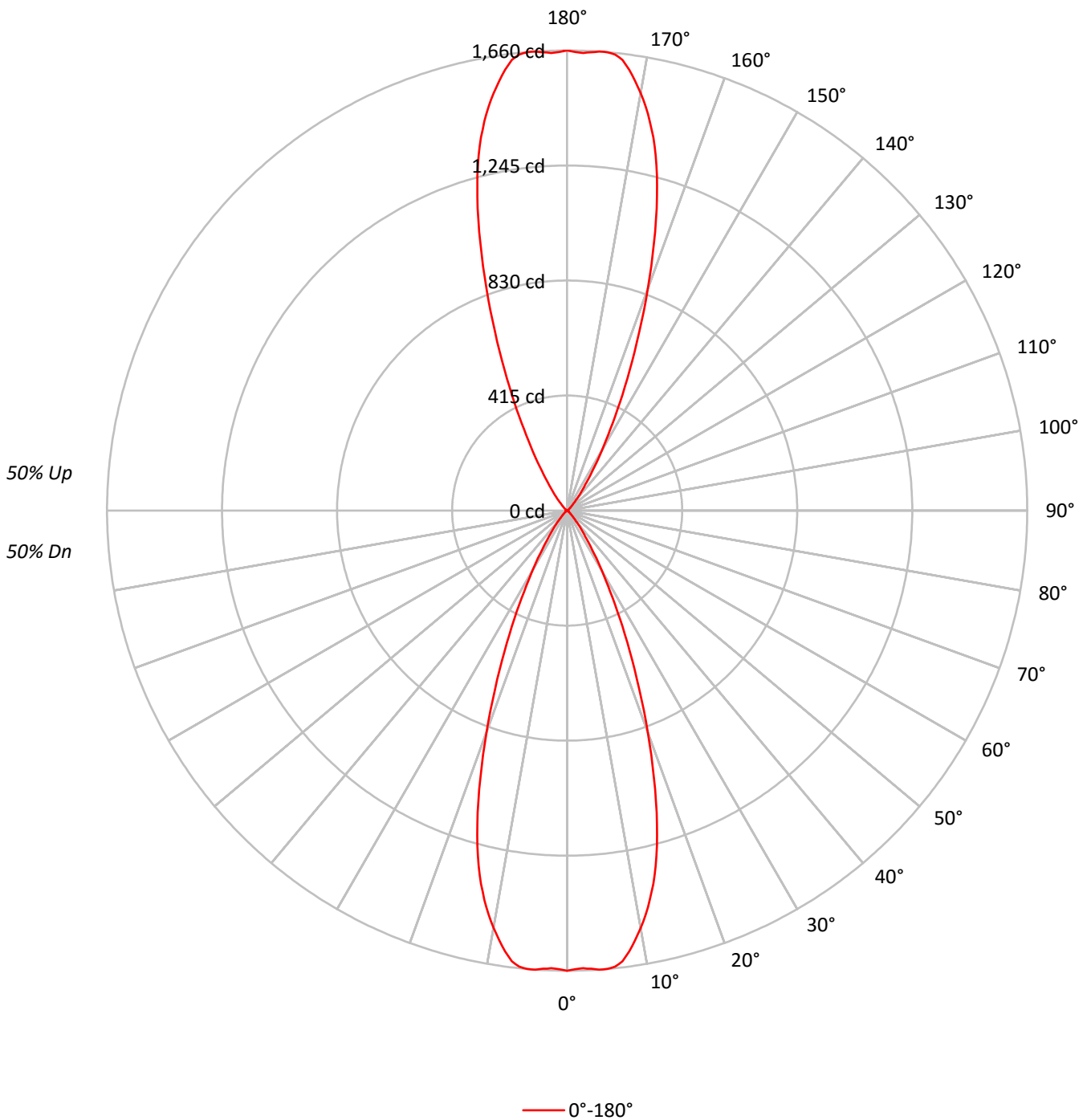
Lumens per Lamp: N/A
Luminaire Lumens: 1660.3 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 19.9
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	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	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	64	58	54	69	61	56	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	45	49	44	42		44	41	39		39	37	35	33
9	63	53	47	43	59	51	45	42	46	42	39		42	39	37		38	35	34	32
10	60	50	44	41	56	48	43	39	44	40	37		40	37	35		36	34	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	819059
5°	822188
10°	765764
15°	638940
20°	445709
25°	268218
30°	141686
35°	68121
40°	32525
45°	15141
50°	8597
55°	5505
60°	4736
65°	4670
70°	4616
75°	4575
80°	4546
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	9.3
10°-20°	337.5	20.3
20°-30°	228.3	13.8
30°-40°	77.3	4.7
40°-50°	18.9	1.1
50°-60°	6.2	0.4
60°-70°	4.2	0.3
70°-80°	2.5	0.2
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.5	0.2
110°-120°	4.2	0.3
120°-130°	6.2	0.4
130°-140°	18.9	1.1
140°-150°	77.3	4.7
150°-160°	228.3	13.8
160°-170°	337.5	20.3
170°-180°	154.5	9.3
0°-30°	720.3	43.4
0°-40°	797.6	48.0
0°-60°	822.8	49.6
0°-90°	830.1	50.0
90°-120°	7.3	0.4
90°-150°	109.8	6.6
90°-180°	830.0	50.0
0°-180°	1660.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1660	
5°	1660	154
15°	1251	338
25°	493	228
35°	113	77
45°	22	19
55°	6	6
65°	4	4
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	4	4
125°	6	6
135°	22	19
145°	113	77
155°	493	228
165°	1251	338
175°	1660	154
180°	1660	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1660.1
1°	1654.5
2°	1652.1
3°	1655.3
4°	1660.1
5°	1660.1
6°	1654.5
7°	1637.6
8°	1606.4
9°	1569.4
10°	1528.5
11°	1485.2
12°	1435.4
13°	1381.7
14°	1320.7
15°	1250.9
16°	1176.3
17°	1096.0
18°	1012.6
19°	932.4
20°	848.9
21°	771.1
22°	694.9
23°	622.6
24°	555.2
25°	492.7
26°	434.1
27°	380.3
28°	331.4
29°	288.1
30°	248.7
32.5°	168.5
35°	113.1
37.5°	76.2
40°	50.5
42.5°	32.1
45°	21.7
47.5°	15.2
50°	11.2
52.5°	8.0
55°	6.4
57.5°	5.6
60°	4.8
62.5°	4.8
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.0
70°	3.2
72.5°	3.2
75°	2.4
77.5°	1.6
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	1.6
102.5°	1.6
105°	2.4
107.5°	3.2
110°	3.2
112.5°	4.0
115°	4.0
117.5°	4.8
120°	4.8
122.5°	5.6
125°	6.4
127.5°	8.0
130°	11.2
132.5°	15.2
135°	21.7
137.5°	32.1
140°	50.5
142.5°	76.2
145°	113.1
147.5°	168.5
150°	248.7
151°	288.1
152°	331.4
153°	380.3
154°	434.1
155°	492.7
156°	555.2
157°	622.6
158°	694.9
159°	771.1
160°	848.9
161°	932.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1012.6
163°	1096.0
164°	1176.3
165°	1250.9
166°	1320.7
167°	1381.7
168°	1435.4
169°	1485.2
170°	1528.5
171°	1569.4
172°	1606.4
173°	1637.6
174°	1654.5
175°	1660.1
176°	1660.1
177°	1655.3
178°	1652.1
179°	1654.5
180°	1660.1

(END OF REPORT)