

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: P221326

Luminaire Tested: **9002-W2-FL-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221326
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-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

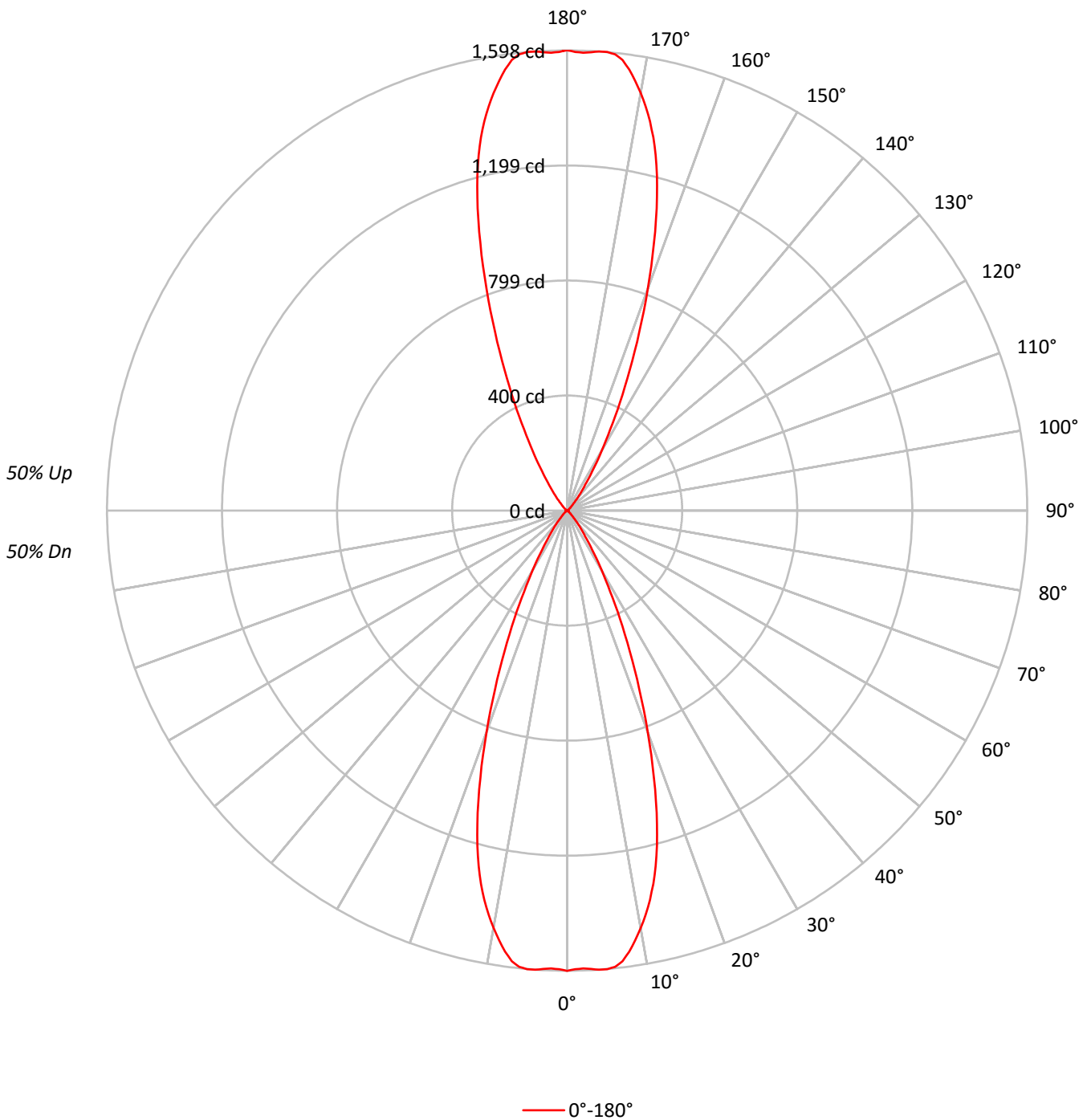
Lumens per Lamp: N/A
Luminaire Lumens: 1598.7 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	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°	788667
5°	791680
10°	737358
15°	615188
20°	429171
25°	258256
30°	136444
35°	65591
40°	31366
45°	14583
50°	8290
55°	5333
60°	4539
65°	4553
70°	4472
75°	4384
80°	4262
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	9.3
10°-20°	325.0	20.3
20°-30°	219.8	13.8
30°-40°	74.5	4.7
40°-50°	18.3	1.1
50°-60°	6.0	0.4
60°-70°	4.0	0.3
70°-80°	2.4	0.2
80°-90°	0.6	0.0
90°-100°	0.6	0.0
100°-110°	2.4	0.2
110°-120°	4.0	0.3
120°-130°	6.0	0.4
130°-140°	18.3	1.1
140°-150°	74.5	4.7
150°-160°	219.8	13.8
160°-170°	325.0	20.3
170°-180°	148.7	9.3
0°-30°	693.6	43.4
0°-40°	768.0	48.0
0°-60°	792.3	49.6
0°-90°	799.4	50.0
90°-120°	7.1	0.4
90°-150°	105.8	6.6
90°-180°	799.0	50.0
0°-180°	1598.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1598	
5°	1598	149
15°	1204	325
25°	474	220
35°	109	74
45°	21	18
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	6	6
135°	21	18
145°	109	74
155°	474	220
165°	1204	325
175°	1598	149
180°	1598	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1598.5
1°	1593.1
2°	1590.7
3°	1593.8
4°	1598.5
5°	1598.5
6°	1593.1
7°	1576.8
8°	1546.7
9°	1511.2
10°	1471.8
11°	1430.0
12°	1382.1
13°	1330.4
14°	1271.7
15°	1204.4
16°	1132.6
17°	1055.3
18°	975.0
19°	897.7
20°	817.4
21°	742.4
22°	669.1
23°	599.5
24°	534.6
25°	474.4
26°	418.0
27°	366.2
28°	319.1
29°	277.4
30°	239.5
32.5°	162.2
35°	108.9
37.5°	73.4
40°	48.7
42.5°	30.9
45°	20.9
47.5°	14.7
50°	10.8
52.5°	7.7
55°	6.2
57.5°	5.4
60°	4.6
62.5°	4.6
65°	3.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	1.5
80°	1.5
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°	1.5
102.5°	1.5
105°	2.3
107.5°	3.1
110°	3.1
112.5°	3.9
115°	3.9
117.5°	4.6
120°	4.6
122.5°	5.4
125°	6.2
127.5°	7.7
130°	10.8
132.5°	14.7
135°	20.9
137.5°	30.9
140°	48.7
142.5°	73.4
145°	108.9
147.5°	162.2
150°	239.5
151°	277.4
152°	319.1
153°	366.2
154°	418.0
155°	474.4
156°	534.6
157°	599.5
158°	669.1
159°	742.4
160°	817.4
161°	897.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	975.0
163°	1055.3
164°	1132.6
165°	1204.4
166°	1271.7
167°	1330.4
168°	1382.1
169°	1430.0
170°	1471.8
171°	1511.2
172°	1546.7
173°	1576.8
174°	1593.1
175°	1598.5
176°	1598.5
177°	1593.8
178°	1590.7
179°	1593.1
180°	1598.5

(END OF REPORT)