

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: P221587

Luminaire Tested: **9003-W2-FL-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 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: 1546.8 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

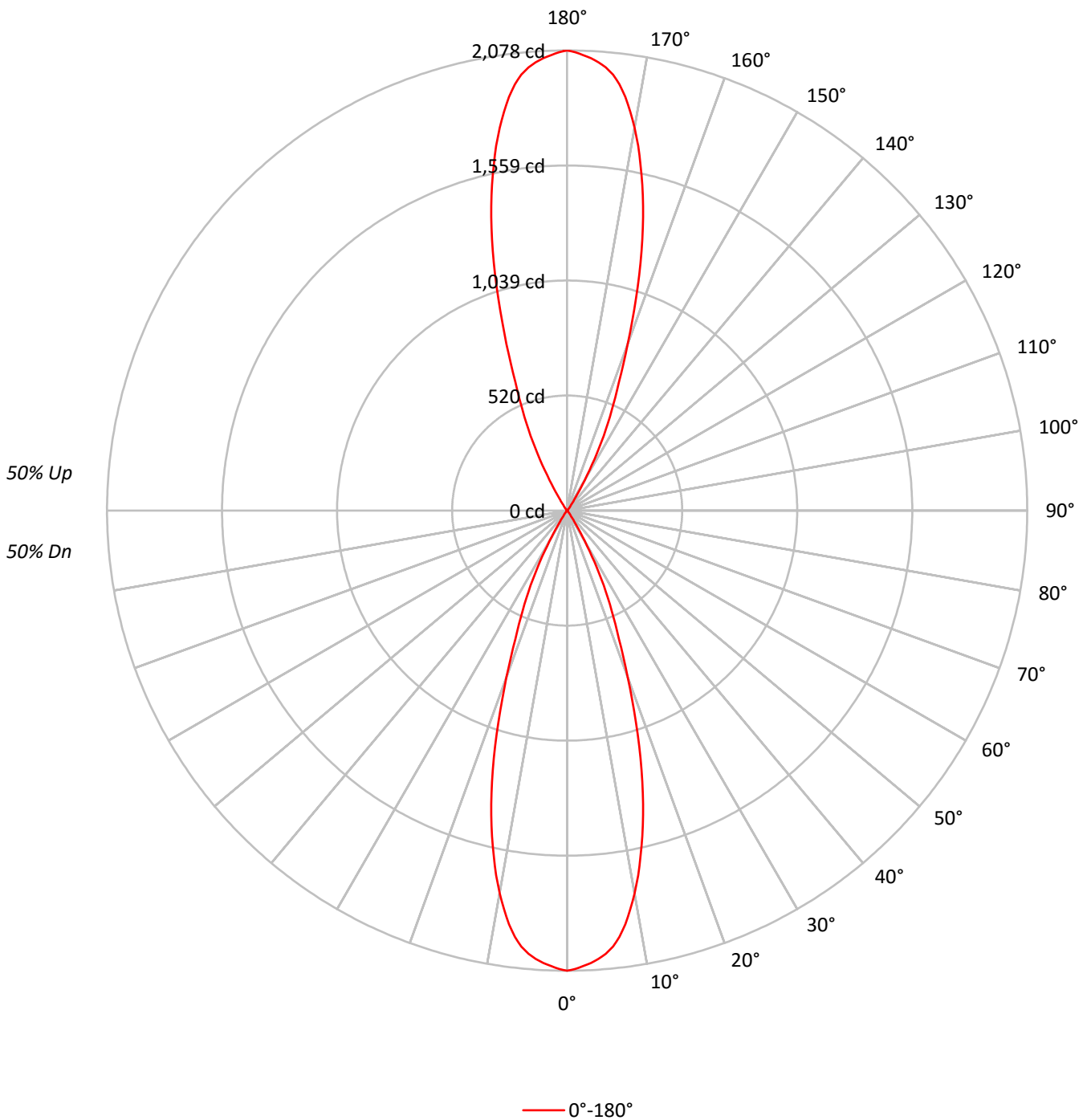
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	455599
5°	442108
10°	390841
15°	300138
20°	186823
25°	105345
30°	40006
35°	8566
40°	3349
45°	1085
50°	887
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	11.9
10°-20°	354.8	22.9
20°-30°	197.8	12.8
30°-40°	29.9	1.9
40°-50°	3.3	0.2
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.8	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.0
110°-120°	1.1	0.1
120°-130°	1.7	0.1
130°-140°	3.3	0.2
140°-150°	29.9	1.9
150°-160°	197.8	12.8
160°-170°	354.8	22.9
170°-180°	183.9	11.9
0°-30°	736.5	47.6
0°-40°	766.4	49.5
0°-60°	771.4	49.9
0°-90°	773.4	50.0
90°-120°	2.2	0.1
90°-150°	37.1	2.4
90°-180°	774.0	50.0
0°-180°	1546.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2078	
5°	2008	184
15°	1322	355
25°	435	198
35°	32	30
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	4	3
145°	32	30
155°	435	198
165°	1322	355
175°	2008	184
180°	2078	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2077.7
1°	2070.4
2°	2058.3
3°	2045.7
4°	2029.7
5°	2008.5
6°	1979.9
7°	1938.8
8°	1886.0
9°	1823.7
10°	1755.3
11°	1678.7
12°	1595.6
13°	1509.5
14°	1417.3
15°	1322.1
16°	1219.1
17°	1112.7
18°	1004.5
19°	901.0
20°	800.6
21°	707.6
22°	625.4
23°	556.1
24°	496.0
25°	435.4
26°	376.1
27°	318.5
28°	262.7
29°	209.0
30°	158.0
32.5°	63.2
35°	32.0
37.5°	19.9
40°	11.7
42.5°	4.3
45°	3.5
47.5°	2.6
50°	2.6
52.5°	2.2
55°	1.7
57.5°	1.7
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.3
117.5°	1.3
120°	1.3
122.5°	1.7
125°	1.7
127.5°	2.2
130°	2.6
132.5°	2.6
135°	3.5
137.5°	4.3
140°	11.7
142.5°	19.9
145°	32.0
147.5°	63.2
150°	158.0
151°	209.0
152°	262.7
153°	318.5
154°	376.1
155°	435.4
156°	496.0
157°	556.1
158°	625.4
159°	707.6
160°	800.6
161°	901.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1004.5
163°	1112.7
164°	1219.1
165°	1322.1
166°	1417.3
167°	1509.5
168°	1595.6
169°	1678.7
170°	1755.3
171°	1823.7
172°	1886.0
173°	1938.8
174°	1979.9
175°	2008.5
176°	2029.7
177°	2045.7
178°	2058.3
179°	2070.4
180°	2077.7

(END OF REPORT)