

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: P221507

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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]-LED4097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1546.1 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

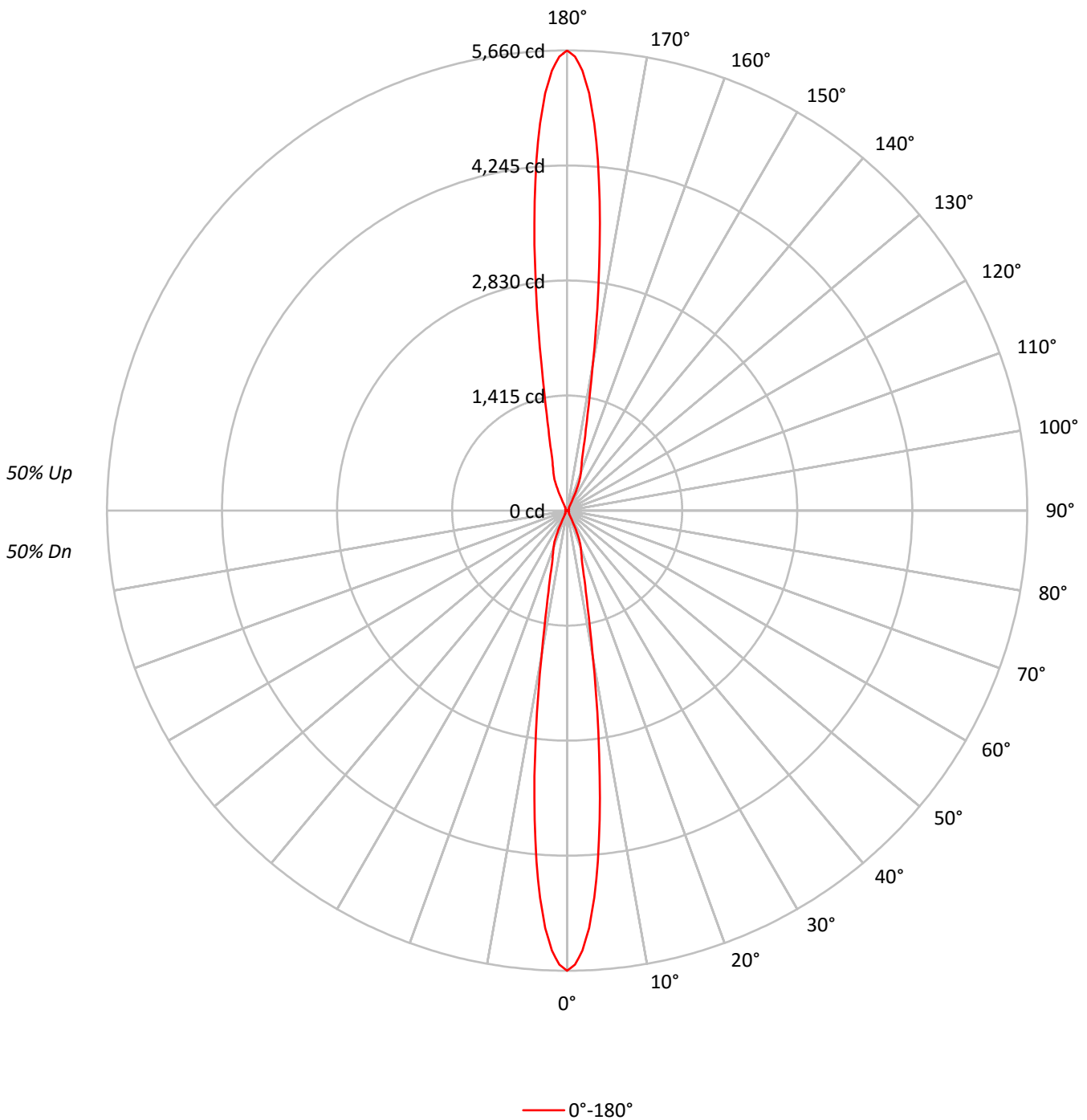
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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	86	77	75	74	65	64	63	54	53	53	47																				
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45																				
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	49	48	47	43																				
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42																				
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40																				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	41	39																				
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	41	40	38																				
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37																				
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36																				
10	63	54	49	45	60	52	47	44	48	44	41	44	41	39	40	38	37	35																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1241063
5°	953442
10°	404201
15°	173463
20°	115393
25°	54923
30°	13496
35°	10012
40°	9589
45°	9613
50°	9825
55°	11010
60°	11139
65°	10273
70°	8527
75°	7625
80°	8713
85°	8554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.5	21.1
10°-20°	233.7	15.1
20°-30°	105.7	6.8
30°-40°	24.9	1.6
40°-50°	24.0	1.6
50°-60°	25.2	1.6
60°-70°	19.4	1.3
70°-80°	10.0	0.6
80°-90°	3.6	0.2
90°-100°	3.6	0.2
100°-110°	10.0	0.6
110°-120°	19.4	1.3
120°-130°	25.2	1.6
130°-140°	24.0	1.6
140°-150°	24.9	1.6
150°-160°	105.7	6.8
160°-170°	233.7	15.1
170°-180°	326.5	21.1
0°-30°	665.8	43.1
0°-40°	690.8	44.7
0°-60°	740.0	47.9
0°-90°	773.1	50.0
90°-120°	33.1	2.1
90°-150°	107.2	6.9
90°-180°	773.0	50.0
0°-180°	1546.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5660	
5°	4332	327
15°	764	234
25°	227	106
35°	37	25
45°	31	24
55°	29	25
65°	20	19
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	20	19
125°	29	25
135°	31	24
145°	37	25
155°	227	106
165°	764	234
175°	4332	327
180°	5660	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5659.7
1°	5585.8
2°	5413.8
3°	5141.2
4°	4774.4
5°	4331.5
6°	3824.2
7°	3292.7
8°	2755.7
9°	2253.9
10°	1815.3
11°	1466.2
12°	1210.8
13°	1023.3
14°	876.7
15°	764.1
16°	673.3
17°	612.3
18°	566.7
19°	527.1
20°	494.5
22.5°	393.0
25°	227.0
26°	165.5
27°	112.7
28°	74.8
29°	58.9
30°	53.3
32.5°	44.7
35°	37.4
37.5°	34.8
40°	33.5
42.5°	32.2
45°	31.0
47.5°	29.7
50°	28.8
52.5°	28.8
55°	28.8
57.5°	27.9
60°	25.4
62.5°	23.2
65°	19.8
67.5°	16.3
70°	13.3
72.5°	10.7



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.0
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.4
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.4
97.5°	5.2
100°	6.9
102.5°	8.2
105°	9.0
107.5°	10.7
110°	13.3
112.5°	16.3
115°	19.8
117.5°	23.2
120°	25.4
122.5°	27.9
125°	28.8
127.5°	28.8
130°	28.8
132.5°	29.7
135°	31.0
137.5°	32.2
140°	33.5
142.5°	34.8
145°	37.4
147.5°	44.7
150°	53.3
151°	58.9
152°	74.8
153°	112.7
154°	165.5
155°	227.0
157.5°	393.0
160°	494.5
161°	527.1
162°	566.7
163°	612.3
164°	673.3
165°	764.1
166°	876.7
167°	1023.3



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CANDELA DISTRIBUTION (continued):

	0°
168°	1210.8
169°	1466.2
170°	1815.3
171°	2253.9
172°	2755.7
173°	3292.7
174°	3824.2
175°	4331.5
176°	4774.4
177°	5141.2
178°	5413.8
179°	5585.8
180°	5659.7

(END OF REPORT)