

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: P221505

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.6 lumens
Efficiency: N/A
Efficacy: 66.6 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

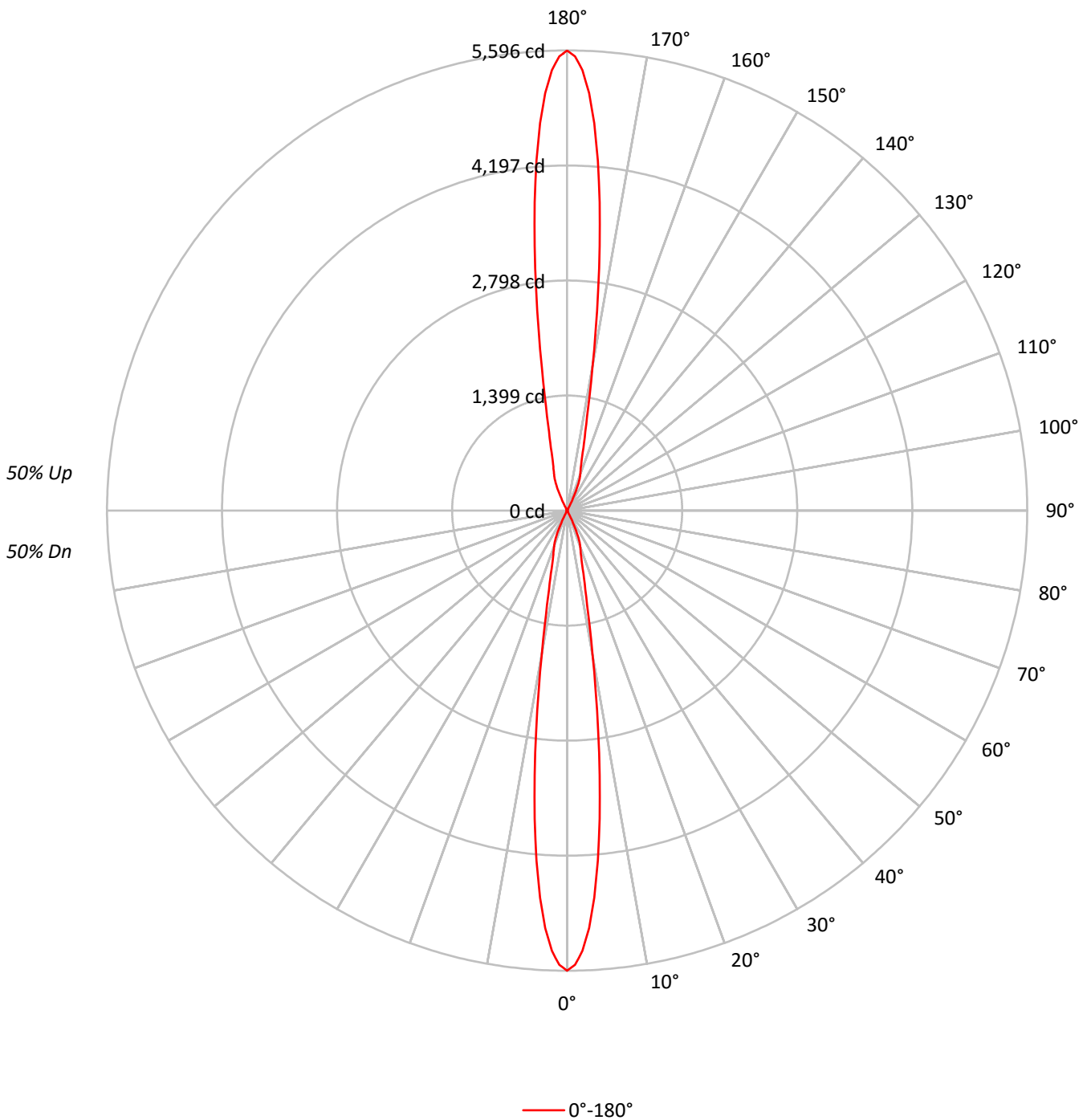
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	101	98	95	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56	56	53	52	49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54	54	51	49	48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51	52	49	48	47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49	50	48	46	46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47	49	46	45	45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46	48	45	43	44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1227007
5°	940015
10°	394359
15°	166425
20°	108253
25°	47446
30°	6431
35°	2409
40°	1718
45°	1333
50°	1160
55°	1147
60°	921
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	24.6
10°-20°	224.2	17.2
20°-30°	92.4	7.1
30°-40°	7.3	0.6
40°-50°	3.5	0.3
50°-60°	2.5	0.2
60°-70°	1.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.3	0.1
120°-130°	2.5	0.2
130°-140°	3.5	0.3
140°-150°	7.3	0.6
150°-160°	92.4	7.1
160°-170°	224.2	17.2
170°-180°	321.5	24.6
0°-30°	638.1	48.9
0°-40°	645.4	49.4
0°-60°	651.4	49.9
0°-90°	652.8	50.0
90°-120°	1.5	0.1
90°-150°	14.8	1.1
90°-180°	653.0	50.0
0°-180°	1305.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5596	
5°	4270	322
15°	733	224
25°	196	92
35°	9	7
45°	4	3
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	4	3
145°	9	7
155°	196	92
165°	733	224
175°	4270	322
180°	5596	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5595.6
1°	5524.3
2°	5357.0
3°	5084.8
4°	4721.5
5°	4270.5
6°	3768.7
7°	3242.8
8°	2701.9
9°	2206.2
10°	1771.1
11°	1426.6
12°	1171.7
13°	983.8
14°	846.6
15°	733.1
16°	641.5
17°	581.8
18°	535.7
19°	495.3
20°	463.9
21°	435.1
22°	391.3
23°	331.5
24°	263.6
25°	196.1
26°	136.3
27°	81.7
28°	45.6
29°	30.5
30°	25.4
32.5°	16.3
35°	9.0
37.5°	6.9
40°	6.0
42.5°	5.2
45°	4.3
47.5°	3.9
50°	3.4
52.5°	3.0
55°	3.0
57.5°	2.6
60°	2.1
62.5°	1.7
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.9
115°	1.3
117.5°	1.7
120°	2.1
122.5°	2.6
125°	3.0
127.5°	3.0
130°	3.4
132.5°	3.9
135°	4.3
137.5°	5.2
140°	6.0
142.5°	6.9
145°	9.0
147.5°	16.3
150°	25.4
151°	30.5
152°	45.6
153°	81.7
154°	136.3
155°	196.1
156°	263.6
157°	331.5
158°	391.3
159°	435.1
160°	463.9
161°	495.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	535.7
163°	581.8
164°	641.5
165°	733.1
166°	846.6
167°	983.8
168°	1171.7
169°	1426.6
170°	1771.1
171°	2206.2
172°	2701.9
173°	3242.8
174°	3768.7
175°	4270.5
176°	4721.5
177°	5084.8
178°	5357.0
179°	5524.3
180°	5595.6

(END OF REPORT)