

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: P221509

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1176.6 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

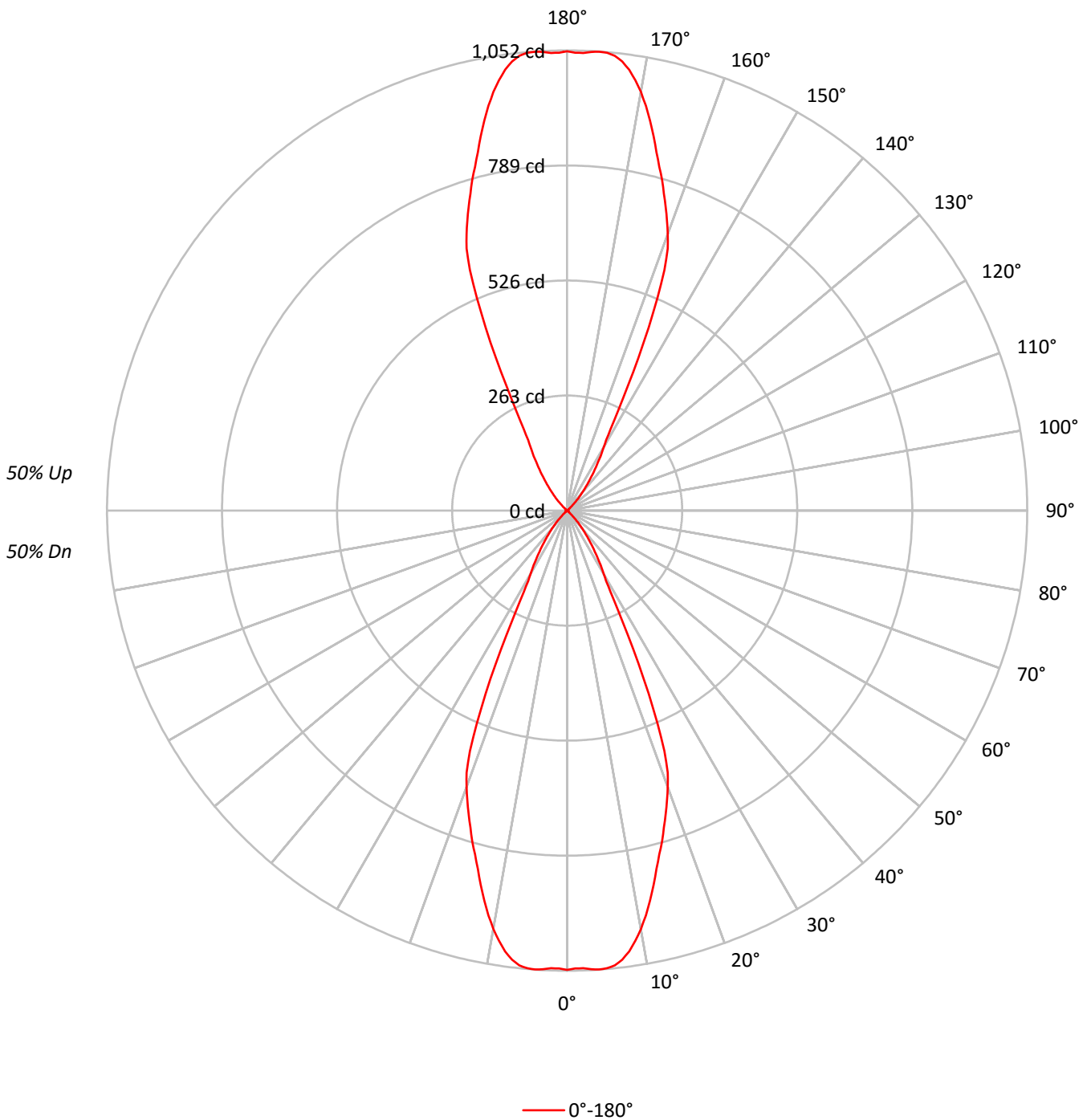
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230245
5°	231212
10°	216273
15°	184768
20°	157024
25°	93320
30°	42462
35°	26930
40°	15257
45°	5613
50°	1774
55°	1300
60°	1140
65°	675
70°	256
75°	339
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	8.3
10°-20°	227.5	19.3
20°-30°	176.6	15.0
30°-40°	64.4	5.5
40°-50°	17.1	1.4
50°-60°	3.2	0.3
60°-70°	1.4	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.4	0.1
120°-130°	3.2	0.3
130°-140°	17.1	1.4
140°-150°	64.4	5.5
150°-160°	176.6	15.0
160°-170°	227.5	19.3
170°-180°	97.8	8.3
0°-30°	501.9	42.7
0°-40°	566.3	48.1
0°-60°	586.5	49.8
0°-90°	588.3	50.0
90°-120°	1.8	0.2
90°-150°	86.4	7.3
90°-180°	588.0	50.0
0°-180°	1176.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1050	
5°	1050	98
15°	814	227
25°	386	177
35°	101	64
45°	18	17
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°	18	17
145°	101	64
155°	386	177
165°	814	227
175°	1050	98
180°	1050	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1050.0
1°	1047.0
2°	1047.0
3°	1050.0
4°	1051.7
5°	1050.4
6°	1045.3
7°	1034.5
8°	1017.7
9°	995.8
10°	971.3
11°	942.9
12°	911.5
13°	878.4
14°	844.5
15°	813.9
16°	786.4
17°	757.2
18°	729.2
19°	700.9
20°	672.9
21°	641.9
22°	592.9
23°	528.4
24°	458.4
25°	385.7
26°	317.3
27°	256.3
28°	210.3
29°	184.0
30°	167.7
32.5°	132.0
35°	100.6
37.5°	75.7
40°	53.3
42.5°	35.3
45°	18.1
47.5°	8.2
50°	5.2
52.5°	3.9
55°	3.4
57.5°	3.0
60°	2.6
62.5°	1.7
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
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°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	1.3
115°	1.3
117.5°	1.7
120°	2.6
122.5°	3.0
125°	3.4
127.5°	3.9
130°	5.2
132.5°	8.2
135°	18.1
137.5°	35.3
140°	53.3
142.5°	75.7
145°	100.6
147.5°	132.0
150°	167.7
151°	184.0
152°	210.3
153°	256.3
154°	317.3
155°	385.7
156°	458.4
157°	528.4
158°	592.9
159°	641.9
160°	672.9
161°	700.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	729.2
163°	757.2
164°	786.4
165°	813.9
166°	844.5
167°	878.4
168°	911.5
169°	942.9
170°	971.3
171°	995.8
172°	1017.7
173°	1034.5
174°	1045.3
175°	1050.4
176°	1051.7
177°	1050.0
178°	1047.0
179°	1047.0
180°	1050.0

(END OF REPORT)