

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: P221508

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221508
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-L2-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: 2851.3 lumens
Efficiency: N/A
Efficacy: 70.9 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

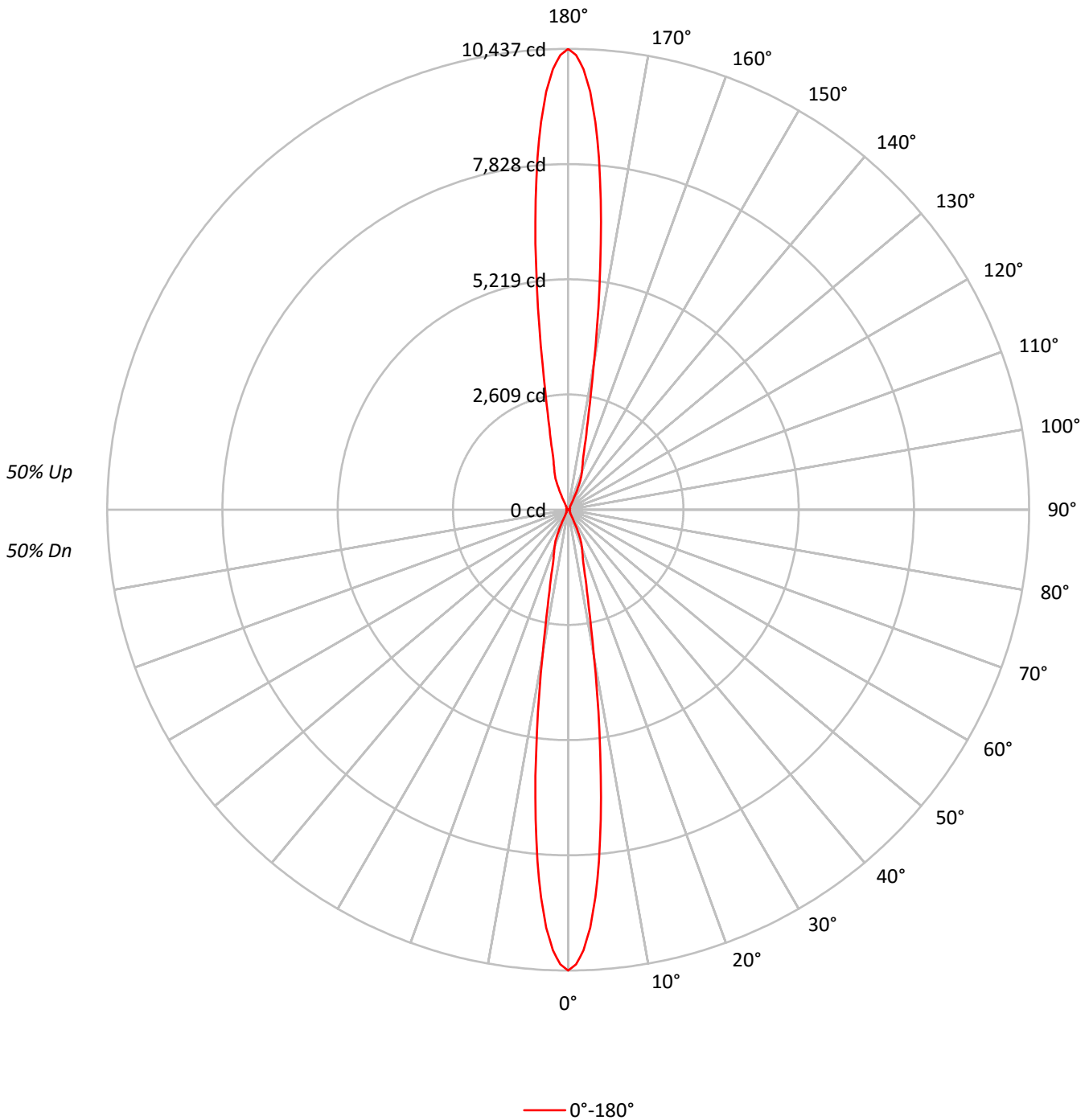
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2288632
5°	1758239
10°	745388
15°	319866
20°	212772
25°	101304
30°	24890
35°	18471
40°	17690
45°	17707
50°	18115
55°	20300
60°	20525
65°	18938
70°	15772
75°	14149
80°	16037
85°	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.1	21.1
10°-20°	430.9	15.1
20°-30°	194.8	6.8
30°-40°	46.0	1.6
40°-50°	44.2	1.5
50°-60°	46.5	1.6
60°-70°	35.9	1.3
70°-80°	18.5	0.7
80°-90°	6.7	0.2
90°-100°	6.7	0.2
100°-110°	18.5	0.7
110°-120°	35.9	1.3
120°-130°	46.5	1.6
130°-140°	44.2	1.5
140°-150°	46.0	1.6
150°-160°	194.8	6.8
160°-170°	430.9	15.1
170°-180°	602.1	21.1
0°-30°	1227.9	43.1
0°-40°	1273.9	44.7
0°-60°	1364.6	47.9
0°-90°	1425.7	50.0
90°-120°	61.1	2.1
90°-150°	197.8	6.9
90°-180°	1426.0	50.0
0°-180°	2851.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10437	
5°	7988	602
15°	1409	431
25°	419	195
35°	69	46
45°	57	44
55°	53	47
65°	36	36
75°	17	19
85°	6	6
90°	0	1
95°	6	6
105°	17	19
115°	36	36
125°	53	47
135°	57	44
145°	69	46
155°	419	195
165°	1409	431
175°	7988	602
180°	10437	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10437.0
1°	10300.6
2°	9983.5
3°	9480.8
4°	8804.4
5°	7987.7
6°	7052.1
7°	6072.1
8°	5081.7
9°	4156.4
10°	3347.6
11°	2703.8
12°	2232.8
13°	1887.1
14°	1616.7
15°	1409.0
16°	1241.7
17°	1129.1
18°	1045.0
19°	972.1
20°	911.8
22.5°	724.7
25°	418.7
26°	305.3
27°	207.7
28°	138.0
29°	108.6
30°	98.3
32.5°	82.5
35°	69.0
37.5°	64.2
40°	61.8
42.5°	59.5
45°	57.1
47.5°	54.7
50°	53.1
52.5°	53.1
55°	53.1
57.5°	51.5
60°	46.8
62.5°	42.8
65°	36.5
67.5°	30.1
70°	24.6
72.5°	19.8



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CANDELA DISTRIBUTION (continued):

	0°
75°	16.7
77.5°	15.1
80°	12.7
82.5°	9.5
85°	6.3
87.5°	2.4
90°	0.0
92.5°	2.4
95°	6.3
97.5°	9.5
100°	12.7
102.5°	15.1
105°	16.7
107.5°	19.8
110°	24.6
112.5°	30.1
115°	36.5
117.5°	42.8
120°	46.8
122.5°	51.5
125°	53.1
127.5°	53.1
130°	53.1
132.5°	54.7
135°	57.1
137.5°	59.5
140°	61.8
142.5°	64.2
145°	69.0
147.5°	82.5
150°	98.3
151°	108.6
152°	138.0
153°	207.7
154°	305.3
155°	418.7
157.5°	724.7
160°	911.8
161°	972.1
162°	1045.0
163°	1129.1
164°	1241.7
165°	1409.0
166°	1616.7
167°	1887.1



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CANDELA DISTRIBUTION (continued):

	0°
168°	2232.8
169°	2703.8
170°	3347.6
171°	4156.4
172°	5081.7
173°	6072.1
174°	7052.1
175°	7987.7
176°	8804.4
177°	9480.8
178°	9983.5
179°	10300.6
180°	10437.0

(END OF REPORT)