

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: P221472

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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]-LED3597-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2769.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

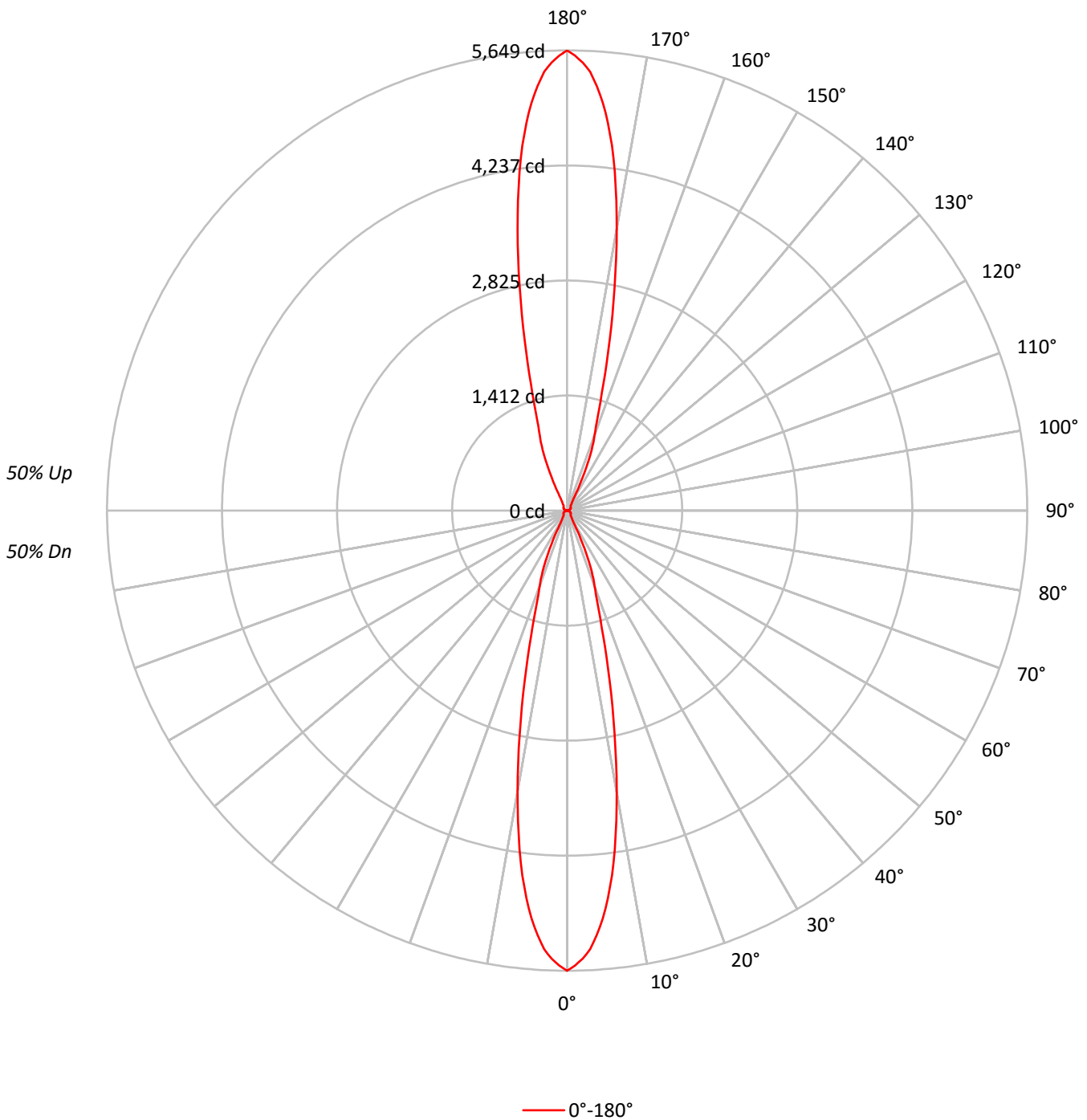
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	44
3	88	81	75	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	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1238760
5°	1106733
10°	780279
15°	424021
20°	229433
25°	109434
30°	31625
35°	20586
40°	18807
45°	19351
50°	20468
55°	21715
60°	21402
65°	20339
70°	16926
75°	14911
80°	17174
85°	16102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	15.5
10°-20°	527.1	19.0
20°-30°	210.8	7.6
30°-40°	52.8	1.9
40°-50°	48.5	1.8
50°-60°	50.0	1.8
60°-70°	38.0	1.4
70°-80°	19.6	0.7
80°-90°	7.1	0.3
90°-100°	7.1	0.3
100°-110°	19.6	0.7
110°-120°	38.0	1.4
120°-130°	50.0	1.8
130°-140°	48.5	1.8
140°-150°	52.8	1.9
150°-160°	210.8	7.6
160°-170°	527.1	19.0
170°-180°	430.5	15.5
0°-30°	1168.5	42.2
0°-40°	1221.3	44.1
0°-60°	1319.8	47.7
0°-90°	1384.5	50.0
90°-120°	64.7	2.3
90°-150°	216.0	7.8
90°-180°	1384.0	50.0
0°-180°	2769.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5649	
5°	5028	431
15°	1868	527
25°	452	211
35°	77	53
45°	62	49
55°	57	50
65°	39	38
75°	18	20
85°	6	7
90°	0	1
95°	6	7
105°	18	20
115°	39	38
125°	57	50
135°	62	49
145°	77	53
155°	452	211
165°	1868	527
175°	5028	431
180°	5649	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5649.2
1°	5586.7
2°	5502.6
3°	5393.0
4°	5221.6
5°	5027.9
6°	4785.3
7°	4516.3
8°	4199.2
9°	3853.4
10°	3504.3
11°	3148.8
12°	2799.0
13°	2472.3
14°	2156.9
15°	1867.8
16°	1606.0
17°	1393.1
18°	1219.3
19°	1084.0
20°	983.2
21°	898.3
22°	801.4
23°	690.1
24°	570.0
25°	452.3
26°	338.7
27°	241.8
28°	170.5
29°	137.7
30°	124.9
32.5°	100.1
35°	76.9
37.5°	68.9
40°	65.7
42.5°	64.0
45°	62.4
47.5°	61.6
50°	60.0
52.5°	59.2
55°	56.8
57.5°	52.8
60°	48.8
62.5°	44.8
65°	39.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	32.0
70°	26.4
72.5°	20.8
75°	17.6
77.5°	16.0
80°	13.6
82.5°	9.6
85°	6.4
87.5°	3.2
90°	0.0
92.5°	3.2
95°	6.4
97.5°	9.6
100°	13.6
102.5°	16.0
105°	17.6
107.5°	20.8
110°	26.4
112.5°	32.0
115°	39.2
117.5°	44.8
120°	48.8
122.5°	52.8
125°	56.8
127.5°	59.2
130°	60.0
132.5°	61.6
135°	62.4
137.5°	64.0
140°	65.7
142.5°	68.9
145°	76.9
147.5°	100.1
150°	124.9
151°	137.7
152°	170.5
153°	241.8
154°	338.7
155°	452.3
156°	570.0
157°	690.1
158°	801.4
159°	898.3
160°	983.2
161°	1084.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1219.3
163°	1393.1
164°	1606.0
165°	1867.8
166°	2156.9
167°	2472.3
168°	2799.0
169°	3148.8
170°	3504.3
171°	3853.4
172°	4199.2
173°	4516.3
174°	4785.3
175°	5027.9
176°	5221.6
177°	5393.0
178°	5502.6
179°	5586.7
180°	5649.2

(END OF REPORT)