

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: P221638

Luminaire Tested: **9003-W2-FL-LED3597-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3597-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2599.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

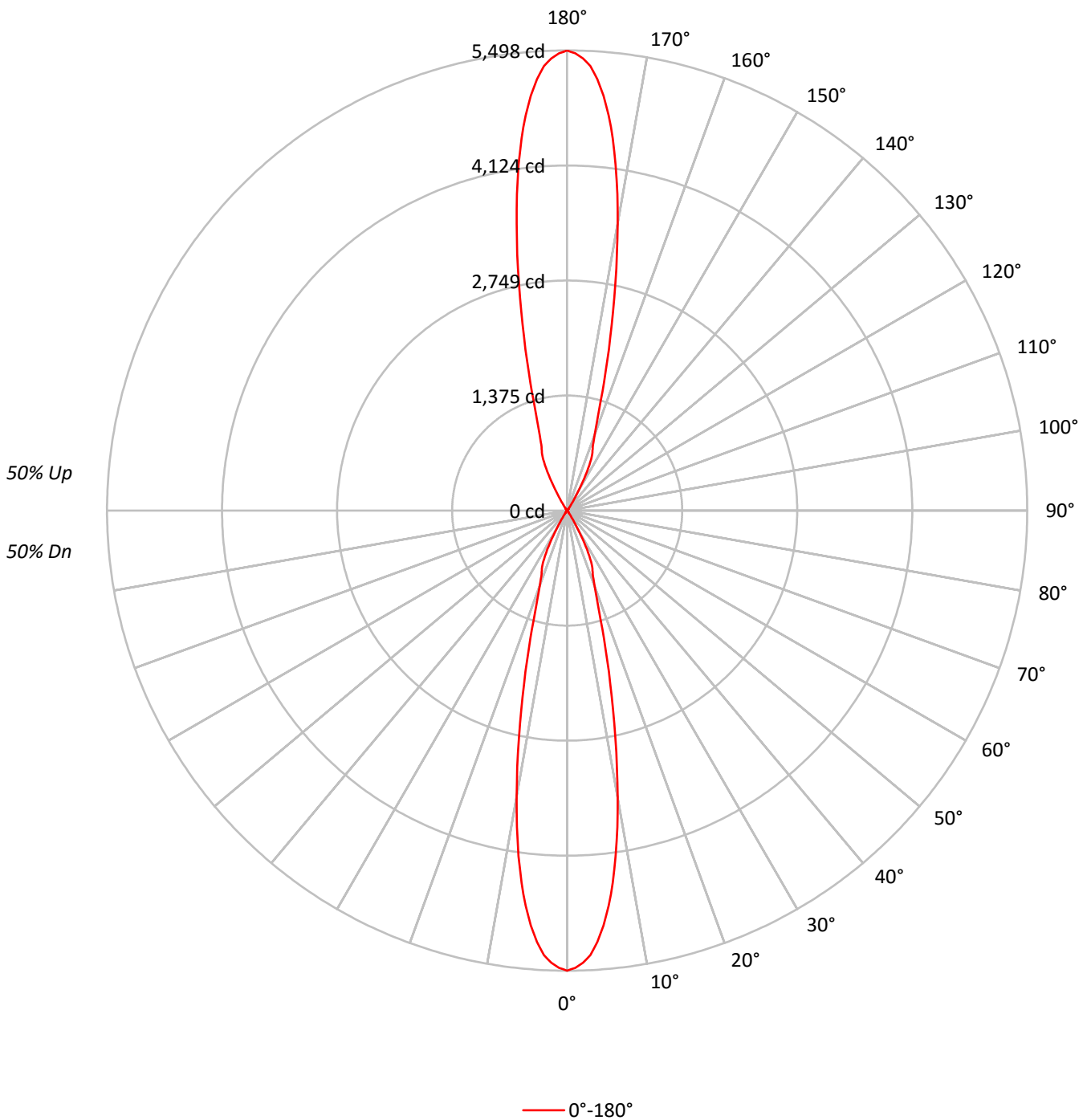
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1205561
5°	1095441
10°	774223
15°	418391
20°	222503
25°	163679
30°	66086
35°	12635
40°	6641
45°	2977
50°	2456
55°	2141
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	16.4
10°-20°	520.2	20.0
20°-30°	286.3	11.0
30°-40°	47.5	1.8
40°-50°	8.7	0.3
50°-60°	5.0	0.2
60°-70°	3.2	0.1
70°-80°	1.7	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.7	0.1
110°-120°	3.2	0.1
120°-130°	5.0	0.2
130°-140°	8.7	0.3
140°-150°	47.5	1.8
150°-160°	286.3	11.0
160°-170°	520.2	20.0
170°-180°	426.4	16.4
0°-30°	1232.9	47.4
0°-40°	1280.4	49.3
0°-60°	1294.1	49.8
0°-90°	1299.5	50.0
90°-120°	5.4	0.2
90°-150°	66.6	2.6
90°-180°	1299.0	50.0
0°-180°	2599.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5498	
5°	4977	426
15°	1843	520
25°	676	286
35°	47	47
45°	10	9
55°	6	5
65°	3	3
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	3	3
125°	6	5
135°	10	9
145°	47	47
155°	676	286
165°	1843	520
175°	4977	426
180°	5498	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5497.8
1°	5464.2
2°	5407.3
3°	5317.7
4°	5165.6
5°	4976.6
6°	4748.4
7°	4477.0
8°	4168.0
9°	3829.3
10°	3477.1
11°	3121.6
12°	2772.5
13°	2438.7
14°	2130.4
15°	1843.0
16°	1594.8
17°	1371.5
18°	1196.9
19°	1057.6
20°	953.5
21°	874.3
22°	816.6
23°	775.8
24°	735.0
25°	676.5
26°	603.7
27°	522.0
28°	433.1
29°	345.9
30°	261.0
32.5°	94.5
35°	47.2
37.5°	33.6
40°	23.2
42.5°	12.0
45°	9.6
47.5°	8.8
50°	7.2
52.5°	6.4
55°	5.6
57.5°	4.8
60°	4.0
62.5°	4.0
65°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	1.6
105°	1.6
107.5°	1.6
110°	2.4
112.5°	2.4
115°	3.2
117.5°	4.0
120°	4.0
122.5°	4.8
125°	5.6
127.5°	6.4
130°	7.2
132.5°	8.8
135°	9.6
137.5°	12.0
140°	23.2
142.5°	33.6
145°	47.2
147.5°	94.5
150°	261.0
151°	345.9
152°	433.1
153°	522.0
154°	603.7
155°	676.5
156°	735.0
157°	775.8
158°	816.6
159°	874.3
160°	953.5
161°	1057.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1196.9
163°	1371.5
164°	1594.8
165°	1843.0
166°	2130.4
167°	2438.7
168°	2772.5
169°	3121.6
170°	3477.1
171°	3829.3
172°	4168.0
173°	4477.0
174°	4748.4
175°	4976.6
176°	5165.6
177°	5317.7
178°	5407.3
179°	5464.2
180°	5497.8

(END OF REPORT)