

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: P221669

Luminaire Tested: **9003-W2-FL-LED4097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221669
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-LED4097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1395.8 lumens
Efficiency: N/A
Efficacy: 71.2 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

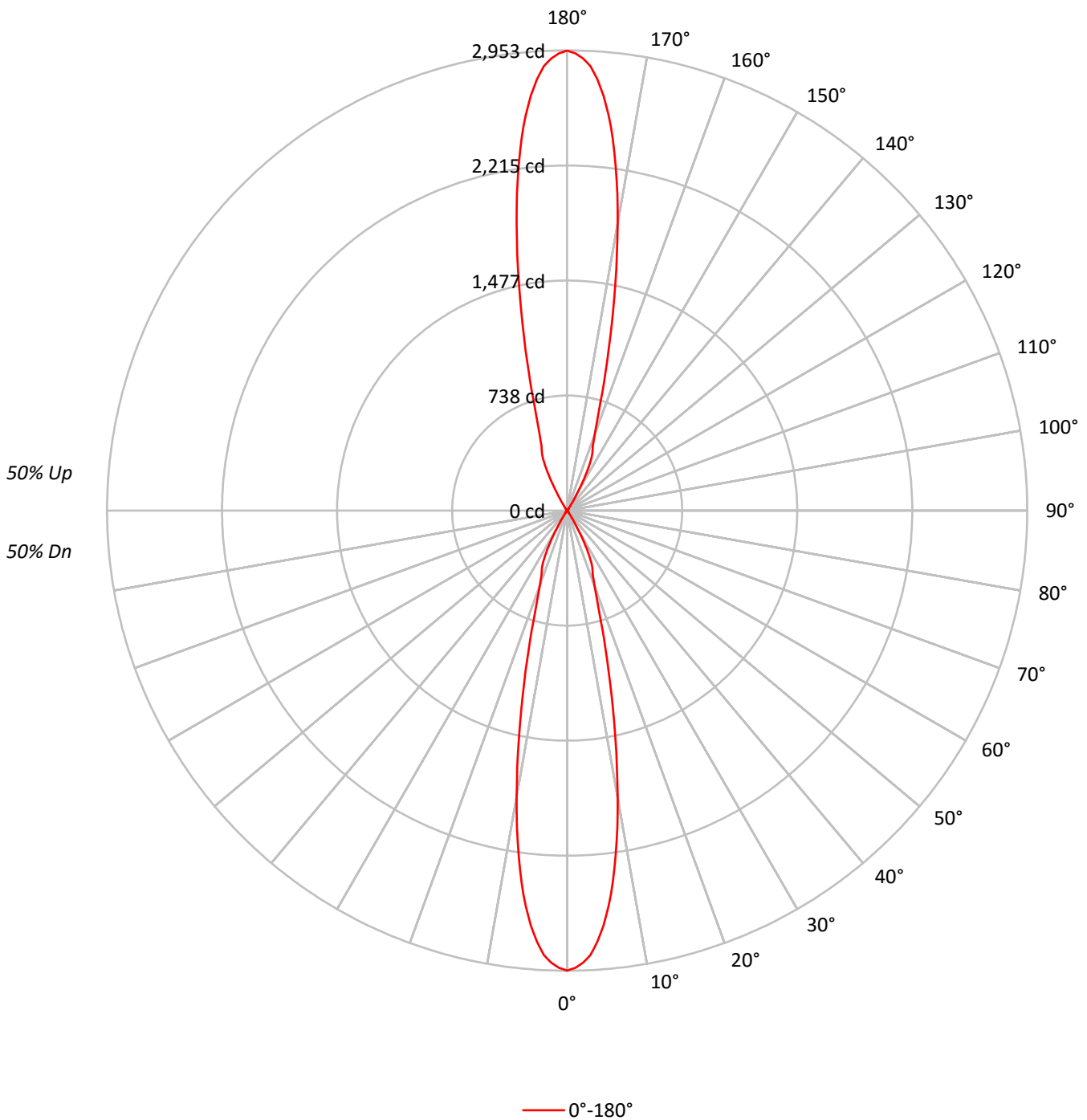
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	647448
5°	588310
10°	415802
15°	224700
20°	119500
25°	87900
30°	35499
35°	6799
40°	3578
45°	1613
50°	1330
55°	1147
60°	921
65°	882
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	16.4
10°-20°	279.4	20.0
20°-30°	153.8	11.0
30°-40°	25.5	1.8
40°-50°	4.7	0.3
50°-60°	2.7	0.2
60°-70°	1.7	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.7	0.1
120°-130°	2.7	0.2
130°-140°	4.7	0.3
140°-150°	25.5	1.8
150°-160°	153.8	11.0
160°-170°	279.4	20.0
170°-180°	229.0	16.4
0°-30°	662.1	47.4
0°-40°	687.7	49.3
0°-60°	695.0	49.8
0°-90°	697.9	50.0
90°-120°	2.9	0.2
90°-150°	35.8	2.6
90°-180°	698.0	50.0
0°-180°	1395.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2953	
5°	2673	229
15°	990	279
25°	363	154
35°	25	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	5	5
145°	25	26
155°	363	154
165°	990	279
175°	2673	229
180°	2953	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2952.6
1°	2934.6
2°	2904.0
3°	2855.9
4°	2774.2
5°	2672.7
6°	2550.2
7°	2404.4
8°	2238.4
9°	2056.6
10°	1867.4
11°	1676.5
12°	1489.0
13°	1309.7
14°	1144.2
15°	989.8
16°	856.5
17°	736.5
18°	642.8
19°	568.0
20°	512.1
21°	469.5
22°	438.6
23°	416.6
24°	394.7
25°	363.3
26°	324.2
27°	280.3
28°	232.6
29°	185.7
30°	140.2
32.5°	50.7
35°	25.4
37.5°	18.1
40°	12.5
42.5°	6.4
45°	5.2
47.5°	4.7
50°	3.9
52.5°	3.4
55°	3.0
57.5°	2.6
60°	2.1
62.5°	2.1
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.9
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.7
117.5°	2.1
120°	2.1
122.5°	2.6
125°	3.0
127.5°	3.4
130°	3.9
132.5°	4.7
135°	5.2
137.5°	6.4
140°	12.5
142.5°	18.1
145°	25.4
147.5°	50.7
150°	140.2
151°	185.7
152°	232.6
153°	280.3
154°	324.2
155°	363.3
156°	394.7
157°	416.6
158°	438.6
159°	469.5
160°	512.1
161°	568.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	642.8
163°	736.5
164°	856.5
165°	989.8
166°	1144.2
167°	1309.7
168°	1489.0
169°	1676.5
170°	1867.4
171°	2056.6
172°	2238.4
173°	2404.4
174°	2550.2
175°	2672.7
176°	2774.2
177°	2855.9
178°	2904.0
179°	2934.6
180°	2952.6

(END OF REPORT)