

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: P221610

Luminaire Tested: **9003-W2-FL-LED3097-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3097-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

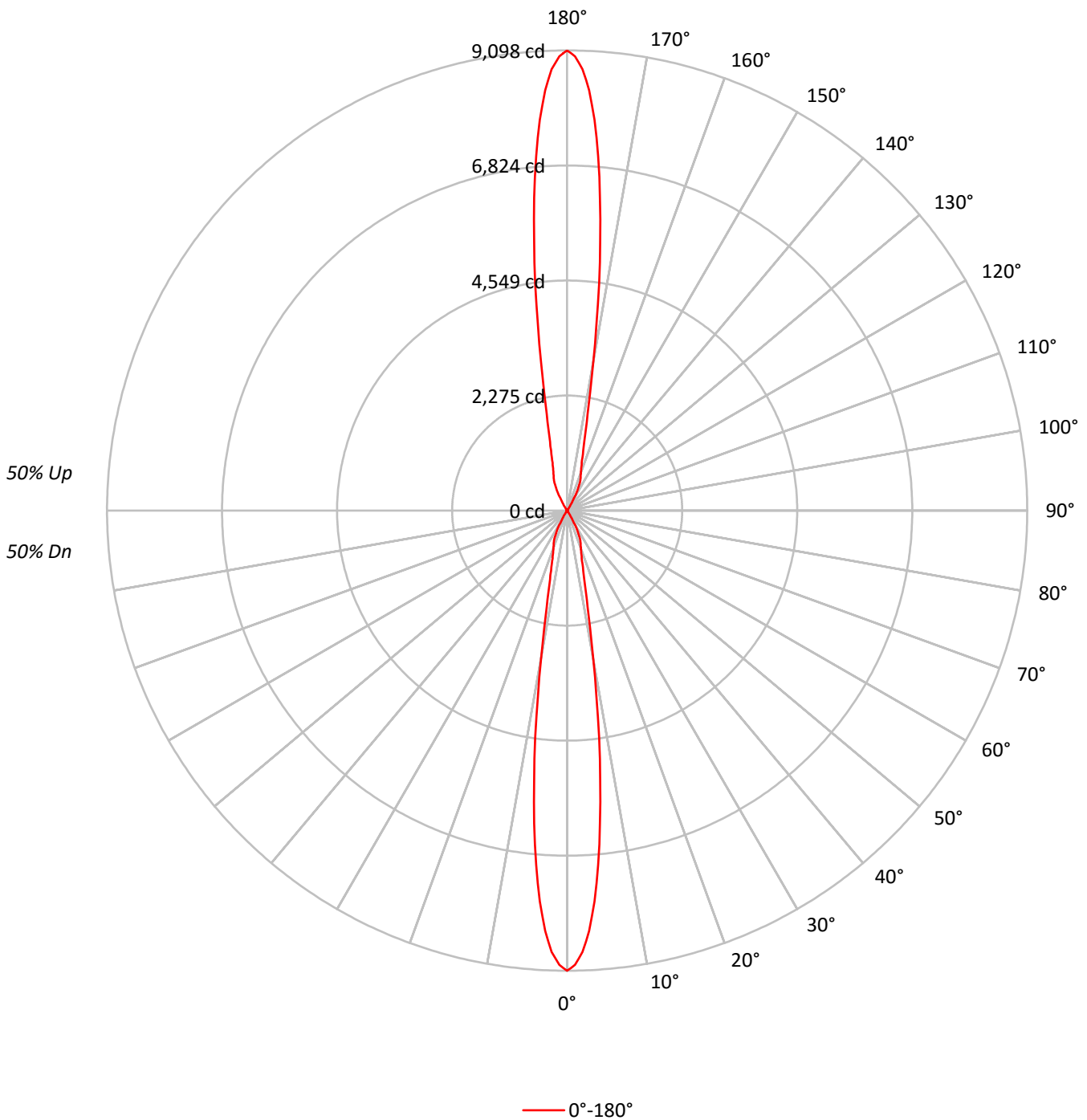
Lumens per Lamp: N/A
Luminaire Lumens: 2399.4 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

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	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	93	93	91	89	87	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	66	63	60	58	56	51	50	49	45				
4	85	78	72	68	80	73	69	65	65	61	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	55	52	50	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	52	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	53	56	52	50	51	48	46	46	44	43	41				
8	70	62	56	52	66	59	54	51	54	50	48	49	46	45	44	43	42	40				
9	68	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39				
10	65	56	51	48	62	54	49	46	50	46	44	46	43	42	42	41	39	38				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1994906
5°	1548862
10°	661667
15°	279775
20°	185469
25°	139024
30°	53249
35°	8138
40°	4437
45°	1985
50°	1433
55°	1338
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.8	22.2
10°-20°	376.8	15.7
20°-30°	242.9	10.1
30°-40°	35.0	1.5
40°-50°	5.5	0.2
50°-60°	3.4	0.1
60°-70°	2.6	0.1
70°-80°	1.3	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.3	0.1
110°-120°	2.6	0.1
120°-130°	3.4	0.1
130°-140°	5.5	0.2
140°-150°	35.0	1.5
150°-160°	242.9	10.1
160°-170°	376.8	15.7
170°-180°	531.8	22.2
0°-30°	1151.5	48.0
0°-40°	1186.5	49.4
0°-60°	1195.3	49.8
0°-90°	1199.7	50.0
90°-120°	4.4	0.2
90°-150°	48.2	2.0
90°-180°	1200.0	50.0
0°-180°	2399.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9098	
5°	7036	532
15°	1232	377
25°	575	243
35°	30	35
45°	6	6
55°	4	3
65°	3	3
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	3	3
125°	4	3
135°	6	6
145°	30	35
155°	575	243
165°	1232	377
175°	7036	532
180°	9098	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9097.5
1°	8983.9
2°	8732.6
3°	8319.7
4°	7745.1
5°	7036.5
6°	6221.9
7°	5371.4
8°	4530.1
9°	3698.6
10°	2971.6
11°	2378.0
12°	1950.2
13°	1637.5
14°	1405.3
15°	1232.4
16°	1089.8
17°	986.1
18°	911.9
19°	847.0
20°	794.8
21°	749.6
22°	710.1
23°	673.4
24°	631.0
25°	574.6
26°	508.2
27°	436.9
28°	359.3
29°	282.3
30°	210.3
32.5°	69.9
35°	30.4
37.5°	21.9
40°	15.5
42.5°	7.8
45°	6.4
47.5°	4.9
50°	4.2
52.5°	4.2
55°	3.5
57.5°	3.5
60°	3.5
62.5°	2.8
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	1.4
110°	2.1
112.5°	2.1
115°	2.8
117.5°	2.8
120°	3.5
122.5°	3.5
125°	3.5
127.5°	4.2
130°	4.2
132.5°	4.9
135°	6.4
137.5°	7.8
140°	15.5
142.5°	21.9
145°	30.4
147.5°	69.9
150°	210.3
151°	282.3
152°	359.3
153°	436.9
154°	508.2
155°	574.6
156°	631.0
157°	673.4
158°	710.1
159°	749.6
160°	794.8
161°	847.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	911.9
163°	986.1
164°	1089.8
165°	1232.4
166°	1405.3
167°	1637.5
168°	1950.2
169°	2378.0
170°	2971.6
171°	3698.6
172°	4530.1
173°	5371.4
174°	6221.9
175°	7036.5
176°	7745.1
177°	8319.7
178°	8732.6
179°	8983.9
180°	9097.5

(END OF REPORT)