

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: P221601

Luminaire Tested: **9003-W2-FL-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

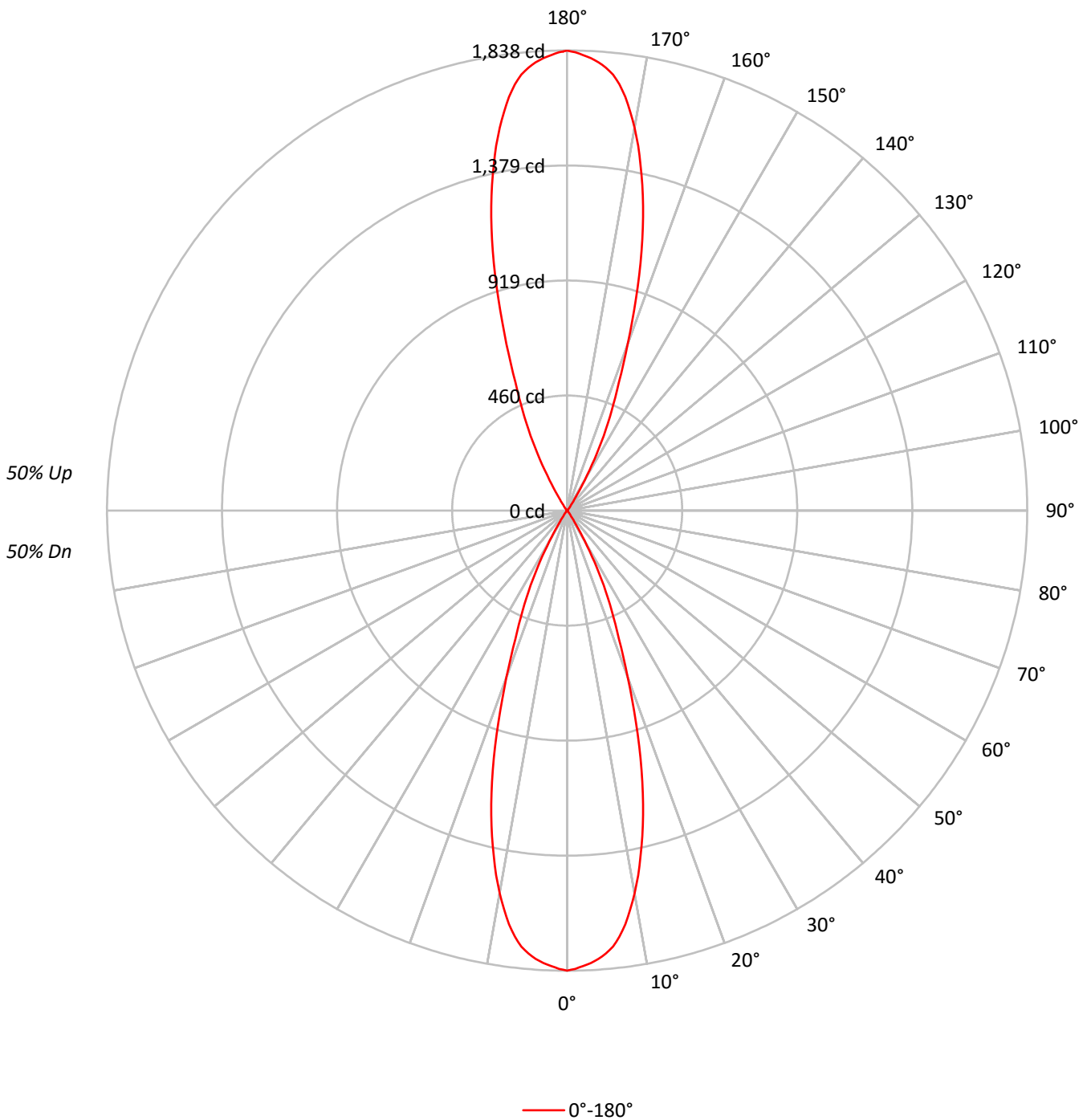
Lumens per Lamp: N/A
Luminaire Lumens: 1368.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

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	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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	402950
5°	391018
10°	345685
15°	265450
20°	165238
25°	93175
30°	35373
35°	7576
40°	2948
45°	961
50°	785
55°	573
60°	482
65°	571
70°	513
75°	678
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	11.9
10°-20°	313.8	22.9
20°-30°	175.0	12.8
30°-40°	26.4	1.9
40°-50°	2.9	0.2
50°-60°	1.5	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.1
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.7	0.1
110°-120°	1.0	0.1
120°-130°	1.5	0.1
130°-140°	2.9	0.2
140°-150°	26.4	1.9
150°-160°	175.0	12.8
160°-170°	313.8	22.9
170°-180°	162.6	11.9
0°-30°	651.3	47.6
0°-40°	677.8	49.5
0°-60°	682.2	49.9
0°-90°	684.0	50.0
90°-120°	1.9	0.1
90°-150°	32.8	2.4
90°-180°	684.0	50.0
0°-180°	1368.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1838	
5°	1776	163
15°	1169	314
25°	385	175
35°	28	26
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	1
135°	3	3
145°	28	26
155°	385	175
165°	1169	314
175°	1776	163
180°	1838	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1837.6
1°	1831.1
2°	1820.4
3°	1809.3
4°	1795.1
5°	1776.4
6°	1751.1
7°	1714.8
8°	1668.1
9°	1612.9
10°	1552.5
11°	1484.7
12°	1411.2
13°	1335.1
14°	1253.5
15°	1169.3
16°	1078.2
17°	984.1
18°	888.4
19°	796.9
20°	708.1
21°	625.8
22°	553.1
23°	491.8
24°	438.6
25°	385.1
26°	332.6
27°	281.7
28°	232.3
29°	184.9
30°	139.7
32.5°	55.9
35°	28.3
37.5°	17.6
40°	10.3
42.5°	3.8
45°	3.1
47.5°	2.3
50°	2.3
52.5°	1.9
55°	1.5
57.5°	1.5
60°	1.1
62.5°	1.1
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.8
107.5°	0.8
110°	0.8
112.5°	0.8
115°	1.1
117.5°	1.1
120°	1.1
122.5°	1.5
125°	1.5
127.5°	1.9
130°	2.3
132.5°	2.3
135°	3.1
137.5°	3.8
140°	10.3
142.5°	17.6
145°	28.3
147.5°	55.9
150°	139.7
151°	184.9
152°	232.3
153°	281.7
154°	332.6
155°	385.1
156°	438.6
157°	491.8
158°	553.1
159°	625.8
160°	708.1
161°	796.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	888.4
163°	984.1
164°	1078.2
165°	1169.3
166°	1253.5
167°	1335.1
168°	1411.2
169°	1484.7
170°	1552.5
171°	1612.9
172°	1668.1
173°	1714.8
174°	1751.1
175°	1776.4
176°	1795.1
177°	1809.3
178°	1820.4
179°	1831.1
180°	1837.6

(END OF REPORT)