

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: P221665

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221665
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-LED4097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.8 lumens
Efficiency: N/A
Efficacy: 78.4 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

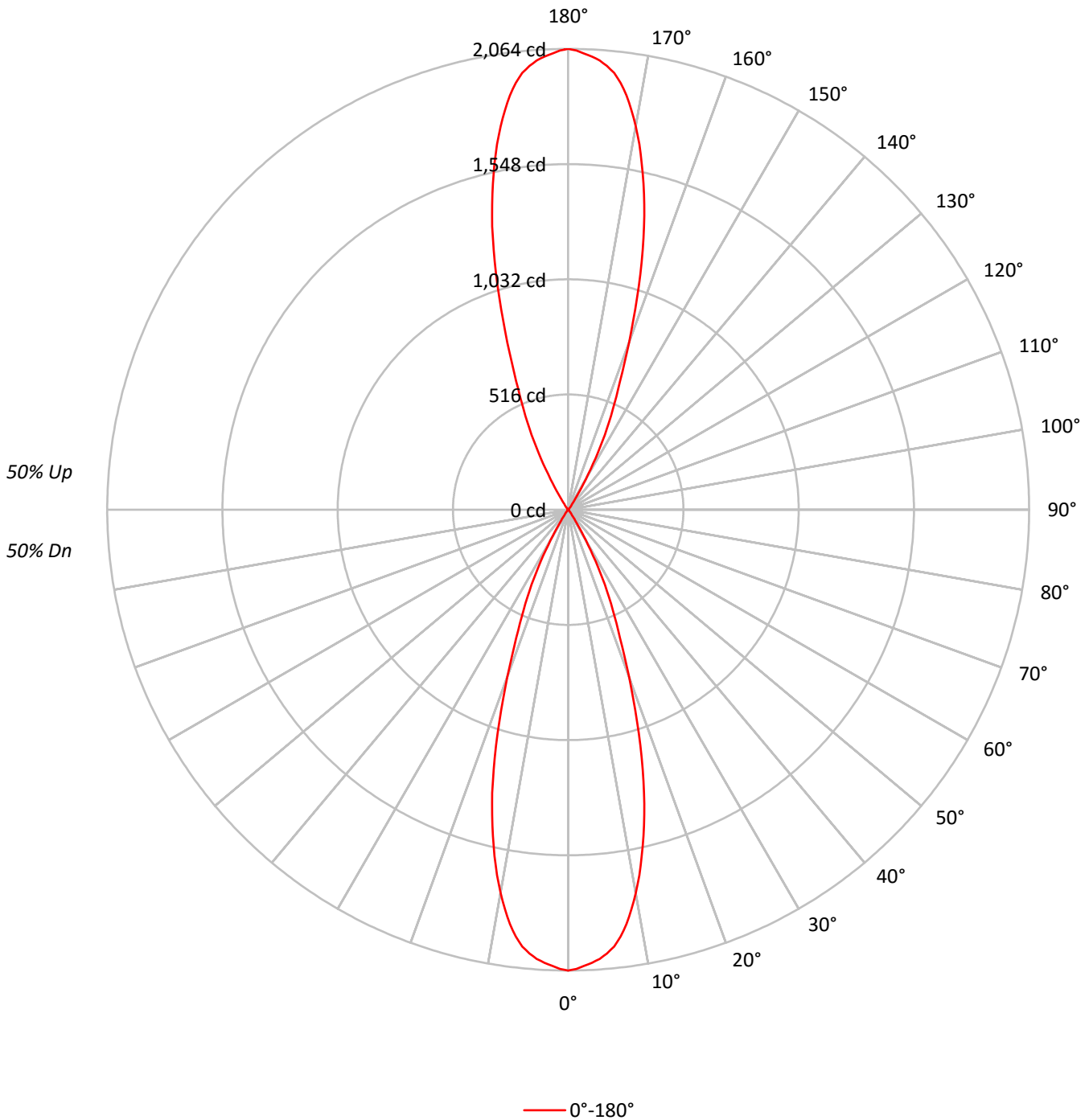
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	452661
5°	439246
10°	388325
15°	298208
20°	185609
25°	104667
30°	39728
35°	8513
40°	3321
45°	1054
50°	887
55°	650
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	11.9
10°-20°	352.5	22.9
20°-30°	196.5	12.8
30°-40°	29.7	1.9
40°-50°	3.3	0.2
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.8	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.0
110°-120°	1.1	0.1
120°-130°	1.7	0.1
130°-140°	3.3	0.2
140°-150°	29.7	1.9
150°-160°	196.5	12.8
160°-170°	352.5	22.9
170°-180°	182.7	11.9
0°-30°	731.7	47.6
0°-40°	761.4	49.5
0°-60°	766.4	49.9
0°-90°	768.4	50.0
90°-120°	2.2	0.1
90°-150°	36.8	2.4
90°-180°	769.0	50.0
0°-180°	1536.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2064	
5°	1996	183
15°	1314	352
25°	433	197
35°	32	30
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	3	3
145°	32	30
155°	433	197
165°	1314	352
175°	1996	183
180°	2064	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2064.3
1°	2057.0
2°	2044.9
3°	2032.5
4°	2016.6
5°	1995.5
6°	1967.1
7°	1926.3
8°	1873.8
9°	1811.9
10°	1744.0
11°	1667.9
12°	1585.3
13°	1499.7
14°	1408.2
15°	1313.6
16°	1211.2
17°	1105.5
18°	998.0
19°	895.2
20°	795.4
21°	703.0
22°	621.3
23°	552.5
24°	492.7
25°	432.6
26°	373.6
27°	316.5
28°	261.0
29°	207.7
30°	156.9
32.5°	62.8
35°	31.8
37.5°	19.8
40°	11.6
42.5°	4.3
45°	3.4
47.5°	2.6
50°	2.6
52.5°	2.1
55°	1.7
57.5°	1.7
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
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°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.3
117.5°	1.3
120°	1.3
122.5°	1.7
125°	1.7
127.5°	2.1
130°	2.6
132.5°	2.6
135°	3.4
137.5°	4.3
140°	11.6
142.5°	19.8
145°	31.8
147.5°	62.8
150°	156.9
151°	207.7
152°	261.0
153°	316.5
154°	373.6
155°	432.6
156°	492.7
157°	552.5
158°	621.3
159°	703.0
160°	795.4
161°	895.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	998.0
163°	1105.5
164°	1211.2
165°	1313.6
166°	1408.2
167°	1499.7
168°	1585.3
169°	1667.9
170°	1744.0
171°	1811.9
172°	1873.8
173°	1926.3
174°	1967.1
175°	1995.5
176°	2016.6
177°	2032.5
178°	2044.9
179°	2057.0
180°	2064.3

(END OF REPORT)