

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: P221605

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221605
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-LED3097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1242.6 lumens
Efficiency: N/A
Efficacy: 63.4 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

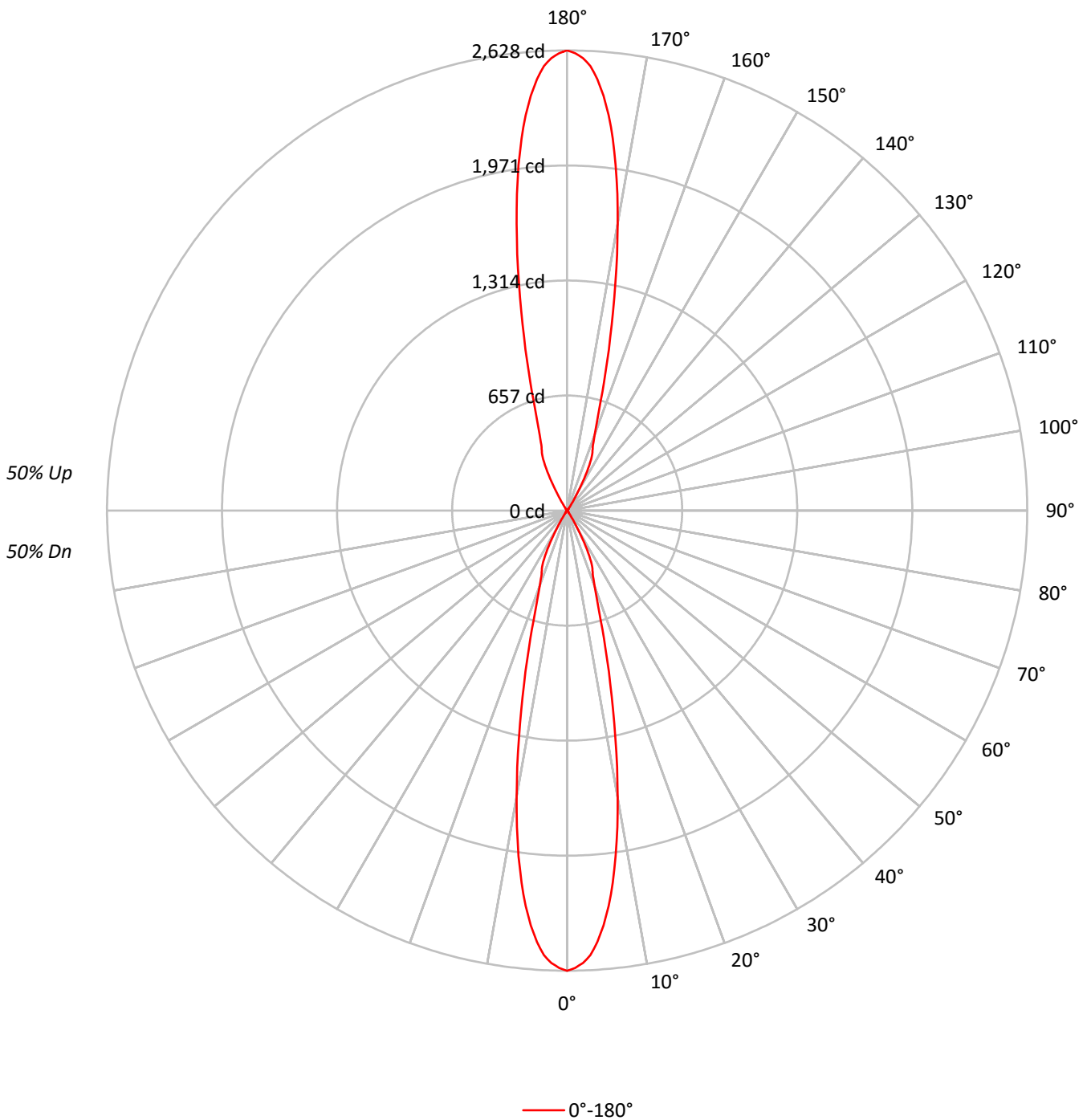
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	576357
5°	523705
10°	370133
15°	200024
20°	106386
25°	78246
30°	31600
35°	6050
40°	3177
45°	1427
50°	1160
55°	1032
60°	833
65°	778
70°	705
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	16.4
10°-20°	248.7	20.0
20°-30°	136.9	11.0
30°-40°	22.7	1.8
40°-50°	4.1	0.3
50°-60°	2.4	0.2
60°-70°	1.5	0.1
70°-80°	0.8	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.1
110°-120°	1.5	0.1
120°-130°	2.4	0.2
130°-140°	4.1	0.3
140°-150°	22.7	1.8
150°-160°	136.9	11.0
160°-170°	248.7	20.0
170°-180°	203.9	16.4
0°-30°	589.4	47.4
0°-40°	612.2	49.3
0°-60°	618.7	49.8
0°-90°	621.3	50.0
90°-120°	2.6	0.2
90°-150°	31.9	2.6
90°-180°	621.0	50.0
0°-180°	1242.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2628	
5°	2379	204
15°	881	249
25°	323	137
35°	23	23
45°	5	4
55°	3	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	3	2
135°	5	4
145°	23	23
155°	323	137
165°	881	249
175°	2379	204
180°	2628	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2628.4
1°	2612.3
2°	2585.1
3°	2542.3
4°	2469.6
5°	2379.2
6°	2270.1
7°	2140.4
8°	1992.6
9°	1830.7
10°	1662.3
11°	1492.4
12°	1325.5
13°	1165.9
14°	1018.5
15°	881.1
16°	762.5
17°	655.7
18°	572.2
19°	505.6
20°	455.9
21°	418.0
22°	390.4
23°	370.9
24°	351.4
25°	323.4
26°	288.6
27°	249.6
28°	207.1
29°	165.4
30°	124.8
32.5°	45.2
35°	22.6
37.5°	16.1
40°	11.1
42.5°	5.7
45°	4.6
47.5°	4.2
50°	3.4
52.5°	3.1
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.9
65°	1.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	1.1
112.5°	1.1
115°	1.5
117.5°	1.9
120°	1.9
122.5°	2.3
125°	2.7
127.5°	3.1
130°	3.4
132.5°	4.2
135°	4.6
137.5°	5.7
140°	11.1
142.5°	16.1
145°	22.6
147.5°	45.2
150°	124.8
151°	165.4
152°	207.1
153°	249.6
154°	288.6
155°	323.4
156°	351.4
157°	370.9
158°	390.4
159°	418.0
160°	455.9
161°	505.6



TEST NUMBER: P221605

CATALOG NUMBER: 9003-W2-FL-LED3097-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	572.2
163°	655.7
164°	762.5
165°	881.1
166°	1018.5
167°	1165.9
168°	1325.5
169°	1492.4
170°	1662.3
171°	1830.7
172°	1992.6
173°	2140.4
174°	2270.1
175°	2379.2
176°	2469.6
177°	2542.3
178°	2585.1
179°	2612.3
180°	2628.4

(END OF REPORT)