

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: P222036

Luminaire Tested: **9004-W2-FL-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1637.7 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

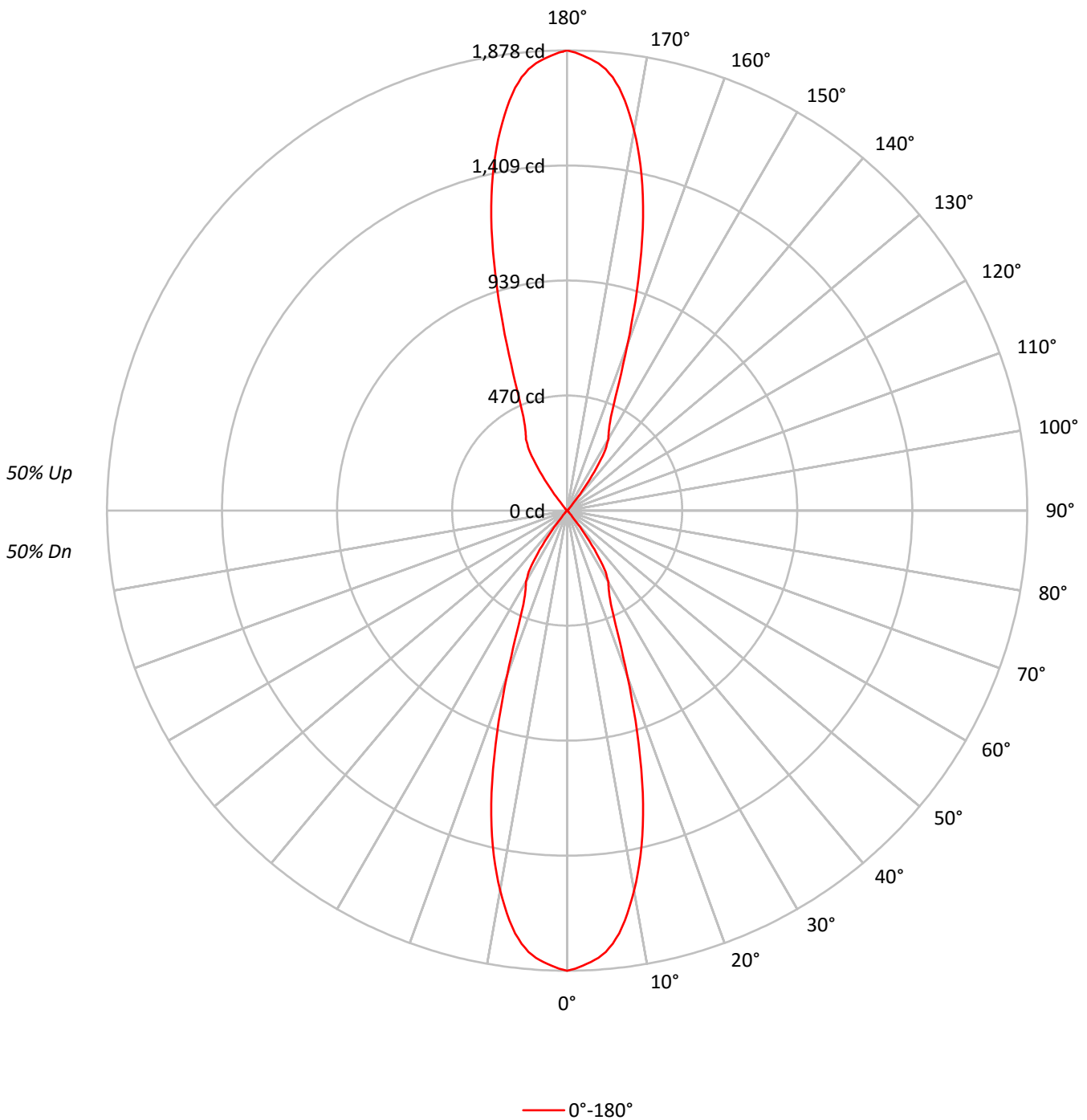
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	231655
5°	223848
10°	197241
15°	152304
20°	94548
25°	57664
30°	47827
35°	29197
40°	4943
45°	1797
50°	403
55°	194
60°	148
65°	175
70°	108
75°	143
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	10.1
10°-20°	319.4	19.5
20°-30°	208.0	12.7
30°-40°	115.5	7.1
40°-50°	9.0	0.6
50°-60°	1.0	0.1
60°-70°	0.6	0.0
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	0.6	0.0
120°-130°	1.0	0.1
130°-140°	9.0	0.6
140°-150°	115.5	7.1
150°-160°	208.0	12.7
160°-170°	319.4	19.5
170°-180°	165.2	10.1
0°-30°	692.5	42.3
0°-40°	808.0	49.3
0°-60°	818.0	49.9
0°-90°	818.8	50.0
90°-120°	0.8	0.1
90°-150°	126.3	7.7
90°-180°	819.0	50.0
0°-180°	1637.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1878	
5°	1808	165
15°	1193	319
25°	424	208
35°	194	116
45°	10	9
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	10	9
145°	194	116
155°	424	208
165°	1193	319
175°	1808	165
180°	1878	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1878.1
1°	1869.9
2°	1857.8
3°	1845.1
4°	1830.0
5°	1807.9
6°	1778.1
7°	1738.8
8°	1690.2
9°	1634.4
10°	1574.8
11°	1509.9
12°	1439.3
13°	1363.8
14°	1280.6
15°	1192.7
16°	1097.1
17°	997.3
18°	902.9
19°	807.9
20°	720.3
21°	637.6
22°	565.9
23°	506.0
24°	459.4
25°	423.7
26°	397.8
27°	377.1
28°	360.9
29°	347.9
30°	335.8
32.5°	284.7
35°	193.9
37.5°	99.4
40°	30.7
42.5°	14.8
45°	10.3
47.5°	6.5
50°	2.1
52.5°	1.2
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.3
105°	0.3
107.5°	0.3
110°	0.3
112.5°	0.6
115°	0.6
117.5°	0.6
120°	0.6
122.5°	0.9
125°	0.9
127.5°	1.2
130°	2.1
132.5°	6.5
135°	10.3
137.5°	14.8
140°	30.7
142.5°	99.4
145°	193.9
147.5°	284.7
150°	335.8
151°	347.9
152°	360.9
153°	377.1
154°	397.8
155°	423.7
156°	459.4
157°	506.0
158°	565.9
159°	637.6
160°	720.3
161°	807.9



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CATALOG NUMBER: 9004-W2-FL-LED3097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	902.9
163°	997.3
164°	1097.1
165°	1192.7
166°	1280.6
167°	1363.8
168°	1439.3
169°	1509.9
170°	1574.8
171°	1634.4
172°	1690.2
173°	1738.8
174°	1778.1
175°	1807.9
176°	1830.0
177°	1845.1
178°	1857.8
179°	1869.9
180°	1878.1

(END OF REPORT)