

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: P221589

Luminaire Tested: **9003-W2-FL-LED3090-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221589
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-LED3090-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1405.0 lumens
Efficiency: N/A
Efficacy: 71.7 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

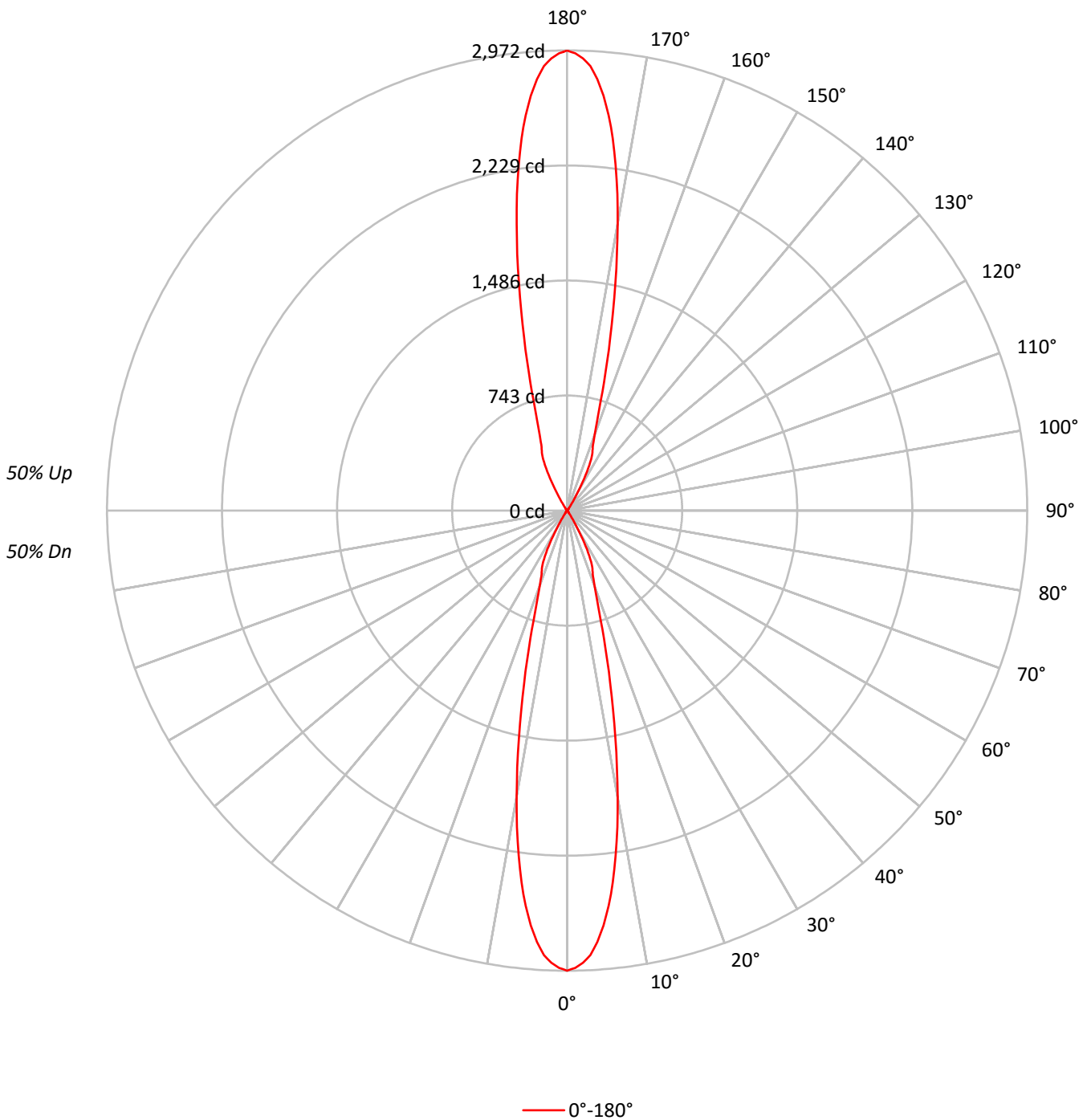
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	651658
5°	592140
10°	418496
15°	226153
20°	120270
25°	88481
30°	35727
35°	6826
40°	3607
45°	1613
50°	1330
55°	1147
60°	965
65°	882
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	16.4
10°-20°	281.2	20.0
20°-30°	154.8	11.0
30°-40°	25.7	1.8
40°-50°	4.7	0.3
50°-60°	2.7	0.2
60°-70°	1.7	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.7	0.1
120°-130°	2.7	0.2
130°-140°	4.7	0.3
140°-150°	25.7	1.8
150°-160°	154.8	11.0
160°-170°	281.2	20.0
170°-180°	230.5	16.4
0°-30°	666.4	47.4
0°-40°	692.1	49.3
0°-60°	699.6	49.8
0°-90°	702.5	50.0
90°-120°	2.9	0.2
90°-150°	36.0	2.6
90°-180°	702.0	50.0
0°-180°	1405.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2972	
5°	2690	230
15°	996	281
25°	366	155
35°	26	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	5	5
145°	26	26
155°	366	155
165°	996	281
175°	2690	230
180°	2972	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2971.8
1°	2953.7
2°	2922.9
3°	2874.5
4°	2792.2
5°	2690.1
6°	2566.8
7°	2420.0
8°	2253.0
9°	2069.9
10°	1879.5
11°	1687.4
12°	1498.7
13°	1318.2
14°	1151.6
15°	996.2
16°	862.1
17°	741.3
18°	647.0
19°	571.7
20°	515.4
21°	472.6
22°	441.4
23°	419.4
24°	397.3
25°	365.7
26°	326.3
27°	282.2
28°	234.1
29°	187.0
30°	141.1
32.5°	51.1
35°	25.5
37.5°	18.2
40°	12.6
42.5°	6.5
45°	5.2
47.5°	4.8
50°	3.9
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	2.2
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
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°	0.9
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.7
117.5°	2.2
120°	2.2
122.5°	2.6
125°	3.0
127.5°	3.5
130°	3.9
132.5°	4.8
135°	5.2
137.5°	6.5
140°	12.6
142.5°	18.2
145°	25.5
147.5°	51.1
150°	141.1
151°	187.0
152°	234.1
153°	282.2
154°	326.3
155°	365.7
156°	397.3
157°	419.4
158°	441.4
159°	472.6
160°	515.4
161°	571.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	647.0
163°	741.3
164°	862.1
165°	996.2
166°	1151.6
167°	1318.2
168°	1498.7
169°	1687.4
170°	1879.5
171°	2069.9
172°	2253.0
173°	2420.0
174°	2566.8
175°	2690.1
176°	2792.2
177°	2874.5
178°	2922.9
179°	2953.7
180°	2971.8

(END OF REPORT)