

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: P221627

Luminaire Tested: **9003-W2-FL-LED3590-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3590-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1490.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

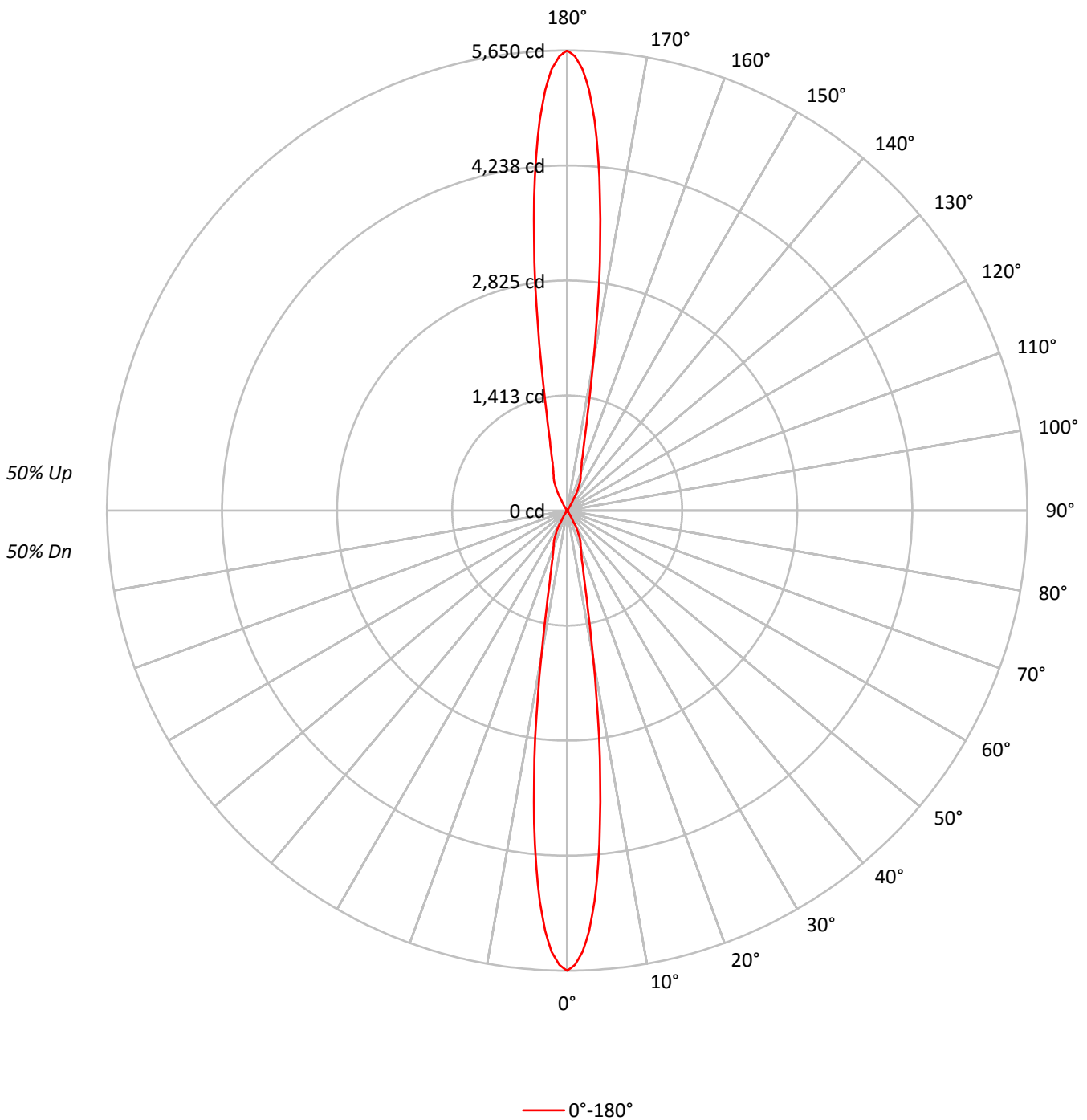
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	95	93	93	91	89	87	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	66	63	60	58	56	51	50	49	45				
4	85	78	72	68	80	73	69	65	65	61	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	55	52	50	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	52	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	53	56	52	50	51	48	46	46	44	43	41				
8	70	62	56	52	66	59	54	51	54	50	48	49	46	45	44	43	42	40				
9	68	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39				
10	65	56	51	48	62	54	49	46	50	46	44	46	43	42	42	41	39	38				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1238870
5°	961873
10°	410903
15°	173735
20°	115183
25°	86328
30°	33068
35°	5033
40°	2748
45°	1209
50°	887
55°	841
60°	965
65°	934
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	22.2
10°-20°	234.0	15.7
20°-30°	150.8	10.1
30°-40°	21.7	1.5
40°-50°	3.4	0.2
50°-60°	2.1	0.1
60°-70°	1.6	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°	1.6	0.1
120°-130°	2.1	0.1
130°-140°	3.4	0.2
140°-150°	21.7	1.5
150°-160°	150.8	10.1
160°-170°	234.0	15.7
170°-180°	330.2	22.2
0°-30°	715.1	48.0
0°-40°	736.8	49.4
0°-60°	742.3	49.8
0°-90°	745.0	50.0
90°-120°	2.7	0.2
90°-150°	30.0	2.0
90°-180°	745.0	50.0
0°-180°	1490.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5650	
5°	4370	330
15°	765	234
25°	357	151
35°	19	22
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	19	22
155°	357	151
165°	765	234
175°	4370	330
180°	5650	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5649.7
1°	5579.1
2°	5423.1
3°	5166.7
4°	4809.8
5°	4369.8
6°	3863.9
7°	3335.7
8°	2813.2
9°	2296.9
10°	1845.4
11°	1476.7
12°	1211.1
13°	1016.9
14°	872.7
15°	765.3
16°	676.8
17°	612.4
18°	566.3
19°	526.0
20°	493.6
21°	465.5
22°	441.0
23°	418.2
24°	391.9
25°	356.8
26°	315.6
27°	271.3
28°	223.1
29°	175.3
30°	130.6
32.5°	43.4
35°	18.8
37.5°	13.6
40°	9.6
42.5°	4.8
45°	3.9
47.5°	3.1
50°	2.6
52.5°	2.6
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.8
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
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°	0.4
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.8
117.5°	1.8
120°	2.2
122.5°	2.2
125°	2.2
127.5°	2.6
130°	2.6
132.5°	3.1
135°	3.9
137.5°	4.8
140°	9.6
142.5°	13.6
145°	18.8
147.5°	43.4
150°	130.6
151°	175.3
152°	223.1
153°	271.3
154°	315.6
155°	356.8
156°	391.9
157°	418.2
158°	441.0
159°	465.5
160°	493.6
161°	526.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	566.3
163°	612.4
164°	676.8
165°	765.3
166°	872.7
167°	1016.9
168°	1211.1
169°	1476.7
170°	1845.4
171°	2296.9
172°	2813.2
173°	3335.7
174°	3863.9
175°	4369.8
176°	4809.8
177°	5166.7
178°	5423.1
179°	5579.1
180°	5649.7

(END OF REPORT)