

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: P221628

Luminaire Tested: **9003-W2-FL-LED3590-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221628
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-L2-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: 2747.8 lumens
Efficiency: N/A
Efficacy: 68.4 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

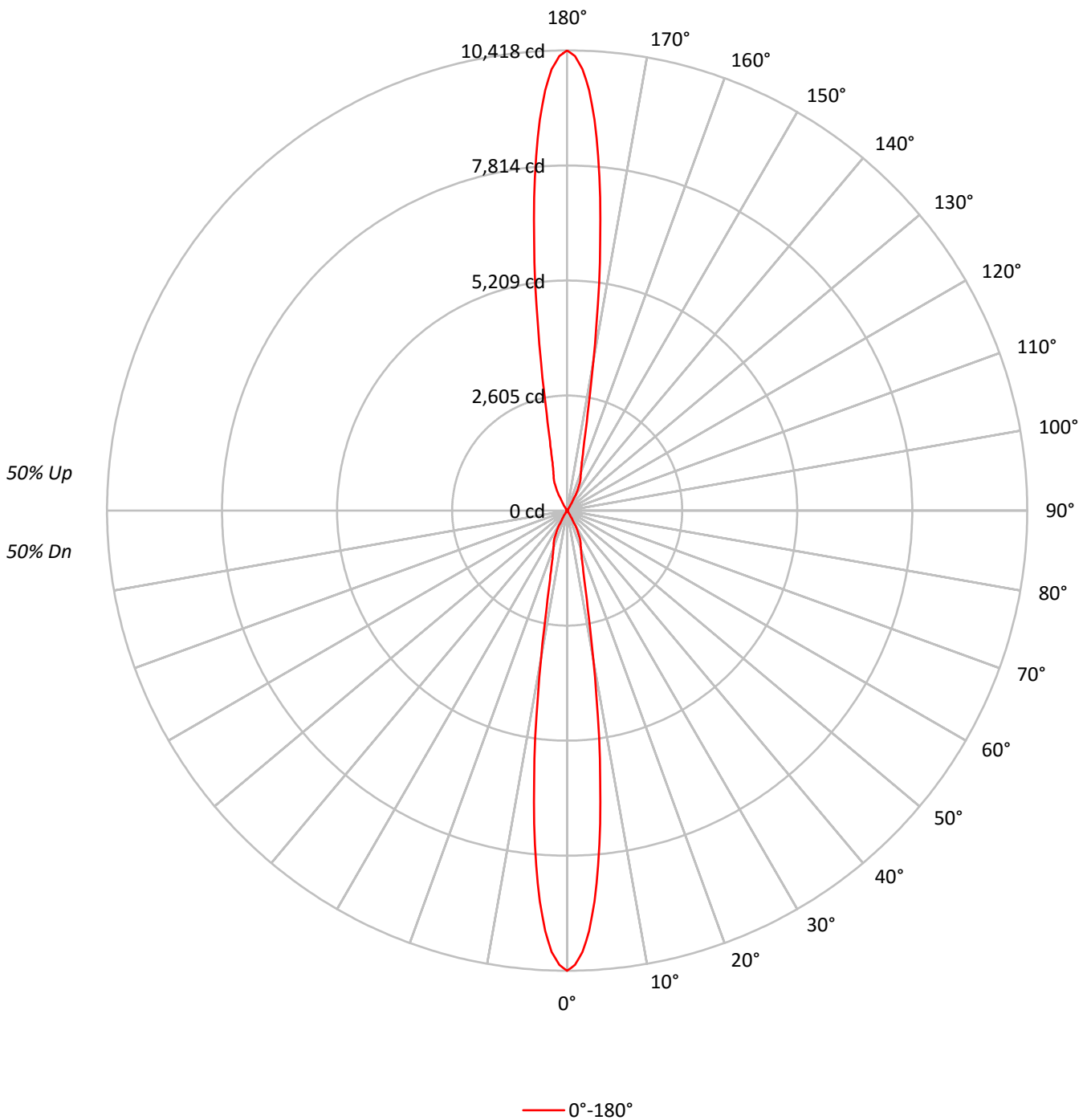
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2284576
5°	1773757
10°	757724
15°	320388
20°	212398
25°	159203
30°	60997
35°	9316
40°	5095
45°	2264
50°	1637
55°	1529
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.0	22.2
10°-20°	431.5	15.7
20°-30°	278.1	10.1
30°-40°	40.1	1.5
40°-50°	6.3	0.2
50°-60°	3.8	0.1
60°-70°	3.0	0.1
70°-80°	1.5	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.5	0.1
110°-120°	3.0	0.1
120°-130°	3.8	0.1
130°-140°	6.3	0.2
140°-150°	40.1	1.5
150°-160°	278.1	10.1
160°-170°	431.5	15.7
170°-180°	609.0	22.2
0°-30°	1318.6	48.0
0°-40°	1358.7	49.4
0°-60°	1368.9	49.8
0°-90°	1373.9	50.0
90°-120°	5.0	0.2
90°-150°	55.2	2.0
90°-180°	1374.0	50.0
0°-180°	2747.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10418	
5°	8058	609
15°	1411	432
25°	658	278
35°	35	40
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	0
95°	1	1
105°	2	1
115°	3	3
125°	4	4
135°	7	6
145°	35	40
155°	658	278
165°	1411	432
175°	8058	609
180°	10418	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10418.5
1°	10288.4
2°	10000.6
3°	9527.7
4°	8869.8
5°	8058.2
6°	7125.4
7°	6151.4
8°	5187.8
9°	4235.6
10°	3403.0
11°	2723.2
12°	2233.4
13°	1875.3
14°	1609.4
15°	1411.3
16°	1248.1
17°	1129.2
18°	1044.4
19°	970.0
20°	910.2
21°	858.4
22°	813.2
23°	771.1
24°	722.6
25°	658.0
26°	582.0
27°	500.4
28°	411.4
29°	323.3
30°	240.9
32.5°	80.0
35°	34.8
37.5°	25.1
40°	17.8
42.5°	8.9
45°	7.3
47.5°	5.7
50°	4.8
52.5°	4.8
55°	4.0
57.5°	4.0
60°	4.0
62.5°	3.2
65°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	2.4
112.5°	2.4
115°	3.2
117.5°	3.2
120°	4.0
122.5°	4.0
125°	4.0
127.5°	4.8
130°	4.8
132.5°	5.7
135°	7.3
137.5°	8.9
140°	17.8
142.5°	25.1
145°	34.8
147.5°	80.0
150°	240.9
151°	323.3
152°	411.4
153°	500.4
154°	582.0
155°	658.0
156°	722.6
157°	771.1
158°	813.2
159°	858.4
160°	910.2
161°	970.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1044.4
163°	1129.2
164°	1248.1
165°	1411.3
166°	1609.4
167°	1875.3
168°	2233.4
169°	2723.2
170°	3403.0
171°	4235.6
172°	5187.8
173°	6151.4
174°	7125.4
175°	8058.2
176°	8869.8
177°	9527.7
178°	10000.6
179°	10288.4
180°	10418.5

(END OF REPORT)