

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: P221636

Luminaire Tested: **9003-W2-FL-LED3597-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3597-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2861.5 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

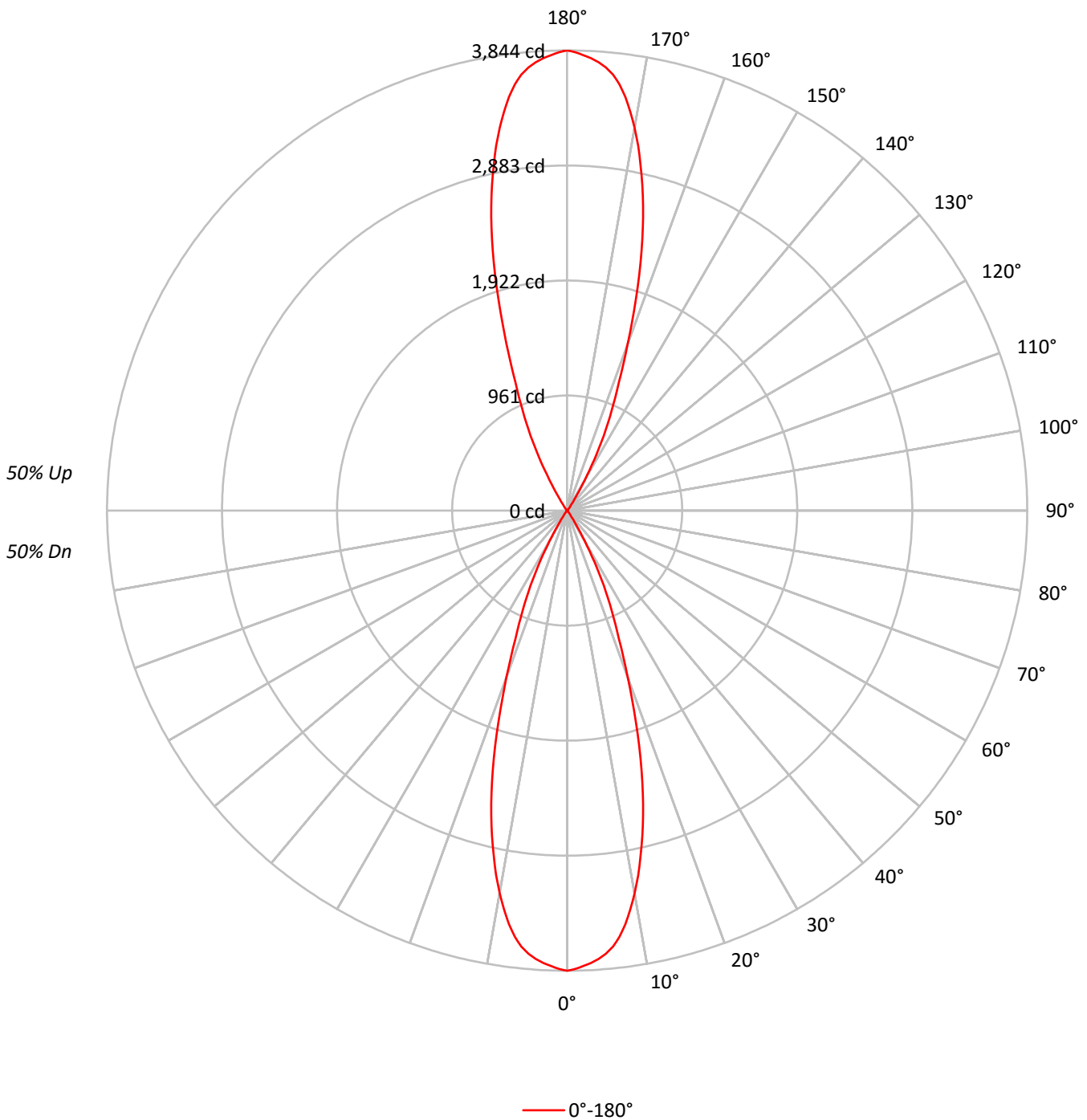
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	842871
5°	817894
10°	723055
15°	555259
20°	345620
25°	194866
30°	73986
35°	15847
40°	6183
45°	1985
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	11.9
10°-20°	656.3	22.9
20°-30°	366.0	12.8
30°-40°	55.3	1.9
40°-50°	6.1	0.2
50°-60°	3.1	0.1
60°-70°	2.1	0.1
70°-80°	1.4	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.0
110°-120°	2.1	0.1
120°-130°	3.1	0.1
130°-140°	6.1	0.2
140°-150°	55.3	1.9
150°-160°	366.0	12.8
160°-170°	656.3	22.9
170°-180°	340.1	11.9
0°-30°	1362.4	47.6
0°-40°	1417.7	49.5
0°-60°	1427.0	49.9
0°-90°	1430.8	50.0
90°-120°	4.0	0.1
90°-150°	68.5	2.4
90°-180°	1431.0	50.0
0°-180°	2861.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3844	
5°	3716	340
15°	2446	656
25°	805	366
35°	59	55
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	0
95°	0	0
105°	2	1
115°	2	2
125°	3	3
135°	6	6
145°	59	55
155°	805	366
165°	2446	656
175°	3716	340
180°	3844	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3843.8
1°	3830.1
2°	3807.7
3°	3784.5
4°	3754.9
5°	3715.7
6°	3662.8
7°	3586.8
8°	3489.1
9°	3373.8
10°	3247.3
11°	3105.6
12°	2951.9
13°	2792.5
14°	2622.0
15°	2445.9
16°	2255.3
17°	2058.4
18°	1858.2
19°	1666.9
20°	1481.1
21°	1309.0
22°	1156.9
23°	1028.8
24°	917.5
25°	805.4
26°	695.7
27°	589.3
28°	486.0
29°	386.7
30°	292.2
32.5°	116.9
35°	59.2
37.5°	36.8
40°	21.6
42.5°	8.0
45°	6.4
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	1.6
112.5°	1.6
115°	2.4
117.5°	2.4
120°	2.4
122.5°	3.2
125°	3.2
127.5°	4.0
130°	4.8
132.5°	4.8
135°	6.4
137.5°	8.0
140°	21.6
142.5°	36.8
145°	59.2
147.5°	116.9
150°	292.2
151°	386.7
152°	486.0
153°	589.3
154°	695.7
155°	805.4
156°	917.5
157°	1028.8
158°	1156.9
159°	1309.0
160°	1481.1
161°	1666.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1858.2
163°	2058.4
164°	2255.3
165°	2445.9
166°	2622.0
167°	2792.5
168°	2951.9
169°	3105.6
170°	3247.3
171°	3373.8
172°	3489.1
173°	3586.8
174°	3662.8
175°	3715.7
176°	3754.9
177°	3784.5
178°	3807.7
179°	3830.1
180°	3843.8

(END OF REPORT)