

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: P221682

Luminaire Tested: **9003-W2-FL-LED5080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221682
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-LED5080-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3713.0 lumens
Efficiency: N/A
Efficacy: 92.4 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

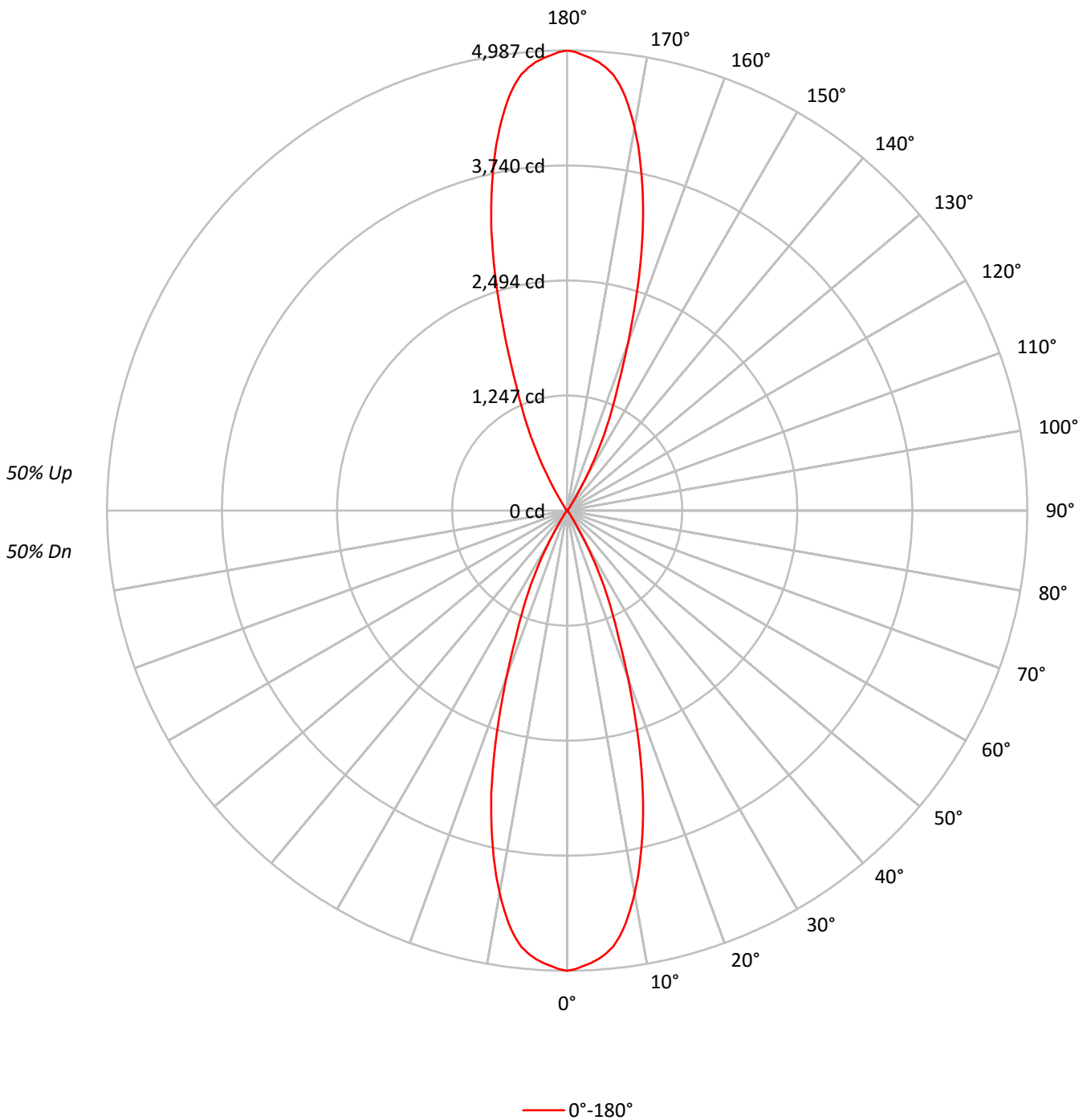
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1093640
5°	1061234
10°	938192
15°	720458
20°	448459
25°	252861
30°	96015
35°	20586
40°	8015
45°	2574
50°	2115
55°	1606
60°	1360
65°	1608
70°	1346
75°	1779
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.3	11.9
10°-20°	851.6	22.9
20°-30°	474.9	12.8
30°-40°	71.8	1.9
40°-50°	8.0	0.2
50°-60°	4.1	0.1
60°-70°	2.7	0.1
70°-80°	1.8	0.0
80°-90°	0.4	0.0
90°-100°	0.7	0.0
100°-110°	1.8	0.0
110°-120°	2.7	0.1
120°-130°	4.1	0.1
130°-140°	8.0	0.2
140°-150°	71.8	1.9
150°-160°	474.9	12.8
160°-170°	851.6	22.9
170°-180°	441.3	11.9
0°-30°	1767.8	47.6
0°-40°	1839.6	49.5
0°-60°	1851.6	49.9
0°-90°	1856.5	50.0
90°-120°	5.2	0.1
90°-150°	89.0	2.4
90°-180°	1857.0	50.0
0°-180°	3713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4987	
5°	4821	441
15°	3174	852
25°	1045	475
35°	77	72
45°	8	8
55°	4	4
65°	3	3
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	3	3
125°	4	4
135°	8	8
145°	77	72
155°	1045	475
165°	3174	852
175°	4821	441
180°	4987	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4987.4
1°	4969.8
2°	4940.7
3°	4910.6
4°	4872.1
5°	4821.2
6°	4752.7
7°	4654.0
8°	4527.2
9°	4377.6
10°	4213.5
11°	4029.6
12°	3830.2
13°	3623.5
14°	3402.2
15°	3173.6
16°	2926.4
17°	2670.8
18°	2411.1
19°	2162.9
20°	1921.8
21°	1698.5
22°	1501.1
23°	1334.9
24°	1190.5
25°	1045.1
26°	902.7
27°	764.6
28°	630.6
29°	501.8
30°	379.2
32.5°	151.7
35°	76.9
37.5°	47.8
40°	28.0
42.5°	10.4
45°	8.3
47.5°	6.2
50°	6.2
52.5°	5.2
55°	4.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	2.1
107.5°	2.1
110°	2.1
112.5°	2.1
115°	3.1
117.5°	3.1
120°	3.1
122.5°	4.2
125°	4.2
127.5°	5.2
130°	6.2
132.5°	6.2
135°	8.3
137.5°	10.4
140°	28.0
142.5°	47.8
145°	76.9
147.5°	151.7
150°	379.2
151°	501.8
152°	630.6
153°	764.6
154°	902.7
155°	1045.1
156°	1190.5
157°	1334.9
158°	1501.1
159°	1698.5
160°	1921.8
161°	2162.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	2411.1
163°	2670.8
164°	2926.4
165°	3173.6
166°	3402.2
167°	3623.5
168°	3830.2
169°	4029.6
170°	4213.5
171°	4377.6
172°	4527.2
173°	4654.0
174°	4752.7
175°	4821.2
176°	4872.1
177°	4910.6
178°	4940.7
179°	4969.8
180°	4987.4

(END OF REPORT)