

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: P221596

Luminaire Tested: **9003-W2-FL-LED3090-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221596
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-LED3090-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2713.1 lumens
Efficiency: N/A
Efficacy: 67.5 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

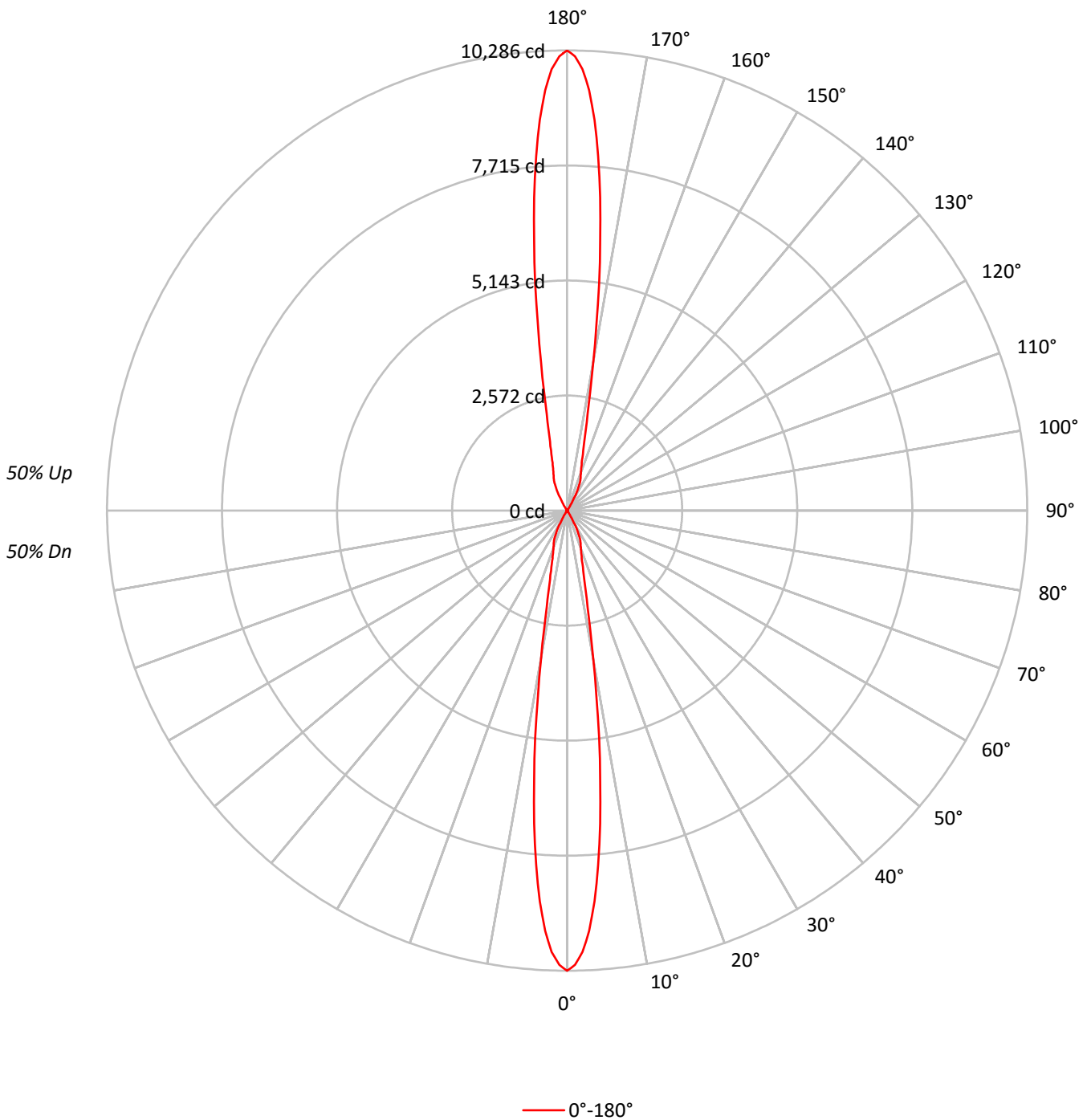
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	225565
5°	1751239
10°	748105
15°	316324
20°	209692
25°	157170
30°	60212
35°	9182
40°	5038
45°	2233
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°	601.3	22.2
10°-20°	426.0	15.7
20°-30°	274.6	10.1
30°-40°	39.6	1.5
40°-50°	6.2	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°	6.2	0.2
140°-150°	39.6	1.5
150°-160°	274.6	10.1
160°-170°	426.0	15.7
170°-180°	601.3	22.2
0°-30°	1301.9	48.0
0°-40°	1341.5	49.4
0°-60°	1351.6	49.8
0°-90°	1356.5	50.0
90°-120°	5.0	0.2
90°-150°	54.6	2.0
90°-180°	1357.0	50.0
0°-180°	2713.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10286	
5°	7956	601
15°	1393	426
25°	650	275
35°	34	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°	34	40
155°	650	275
165°	1393	426
175°	7956	601
180°	10286	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10286.2
1°	10157.7
2°	9873.6
3°	9406.8
4°	8757.1
5°	7955.9
6°	7034.9
7°	6073.3
8°	5122.0
9°	4181.8
10°	3359.8
11°	2688.7
12°	2205.0
13°	1851.5
14°	1588.9
15°	1393.4
16°	1232.2
17°	1114.9
18°	1031.1
19°	957.7
20°	898.6
21°	847.5
22°	802.9
23°	761.4
24°	713.5
25°	649.6
26°	574.6
27°	494.0
28°	406.2
29°	319.2
30°	237.8
32.5°	79.0
35°	34.3
37.5°	24.7
40°	17.6
42.5°	8.8
45°	7.2
47.5°	5.6
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°	5.6
135°	7.2
137.5°	8.8
140°	17.6
142.5°	24.7
145°	34.3
147.5°	79.0
150°	237.8
151°	319.2
152°	406.2
153°	494.0
154°	574.6
155°	649.6
156°	713.5
157°	761.4
158°	802.9
159°	847.5
160°	898.6
161°	957.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1031.1
163°	1114.9
164°	1232.2
165°	1393.4
166°	1588.9
167°	1851.5
168°	2205.0
169°	2688.7
170°	3359.8
171°	4181.8
172°	5122.0
173°	6073.3
174°	7034.9
175°	7955.9
176°	8757.1
177°	9406.8
178°	9873.6
179°	10157.7
180°	10286.2

(END OF REPORT)