

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: P221599

Luminaire Tested: **9003-W2-FL-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1410.5 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

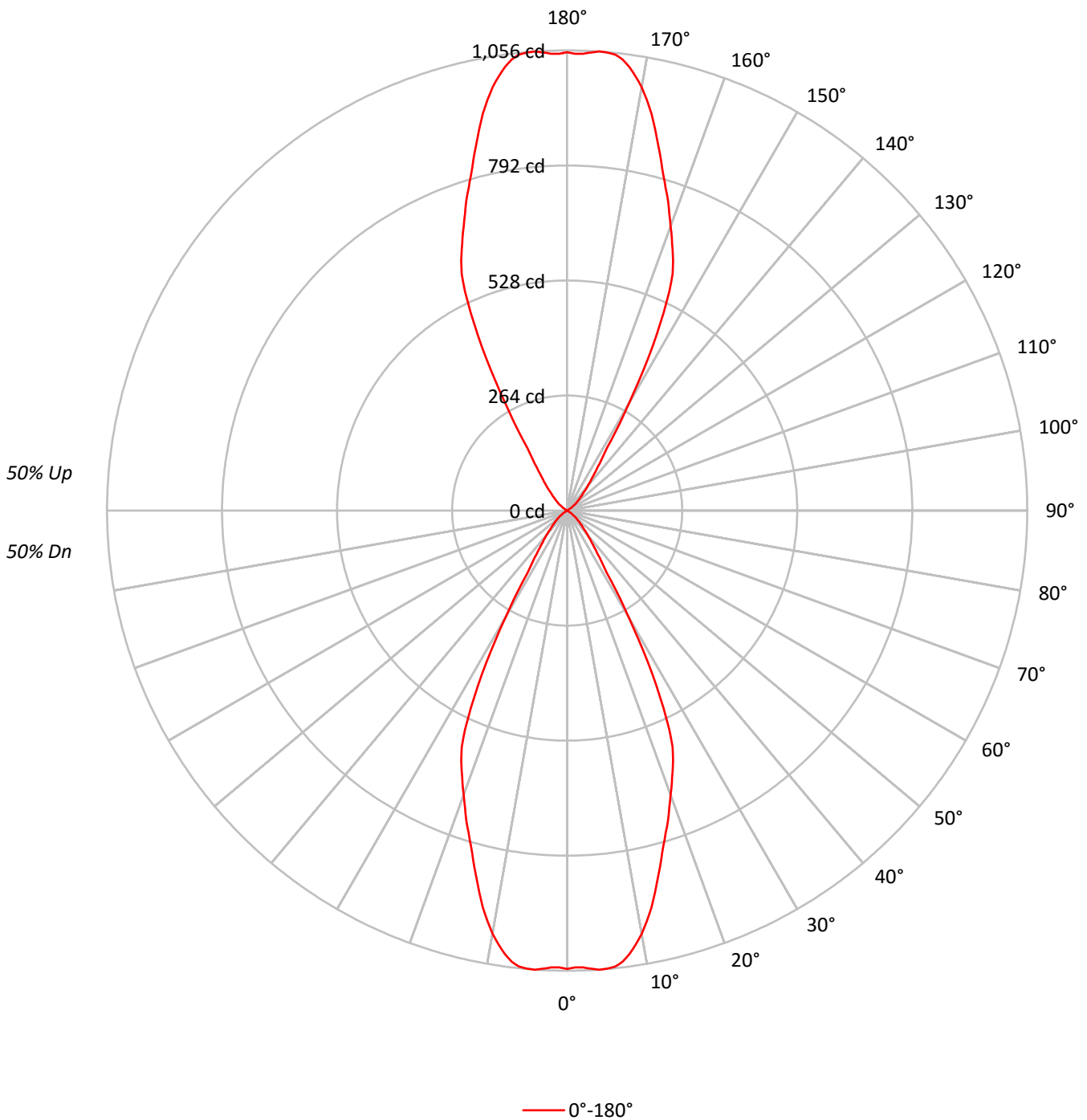
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230596
5°	232335
10°	219502
15°	188832
20°	162087
25°	134137
30°	71555
35°	32551
40°	20810
45°	13676
50°	9586
55°	4817
60°	1140
65°	1141
70°	1090
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	7.0
10°-20°	232.6	16.5
20°-30°	237.7	16.9
30°-40°	86.1	6.1
40°-50°	35.4	2.5
50°-60°	11.5	0.8
60°-70°	2.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	1.0	0.1
110°-120°	2.0	0.1
120°-130°	11.5	0.8
130°-140°	35.4	2.5
140°-150°	86.1	6.1
150°-160°	237.7	16.9
160°-170°	232.6	16.5
170°-180°	98.6	7.0
0°-30°	569.0	40.3
0°-40°	655.0	46.4
0°-60°	702.0	49.8
0°-90°	705.2	50.0
90°-120°	3.3	0.2
90°-150°	136.3	9.7
90°-180°	705.0	50.0
0°-180°	1410.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1052	
5°	1056	99
15°	832	233
25°	554	238
35°	122	86
45°	44	35
55°	13	11
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	13	11
135°	44	35
145°	122	86
155°	554	238
165°	832	233
175°	1056	99
180°	1052	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1051.6
1°	1048.6
2°	1049.0
3°	1052.9
4°	1056.4
5°	1055.5
6°	1052.5
7°	1043.0
8°	1027.8
9°	1007.9
10°	985.8
11°	959.5
12°	930.5
13°	898.0
14°	864.2
15°	831.8
16°	800.6
17°	773.4
18°	748.3
19°	720.6
20°	694.6
21°	669.9
22°	645.7
23°	622.3
24°	594.6
25°	554.4
26°	505.0
27°	451.4
28°	394.7
29°	337.6
30°	282.6
32.5°	169.6
35°	121.6
37.5°	93.9
40°	72.7
42.5°	55.4
45°	44.1
47.5°	35.5
50°	28.1
52.5°	20.8
55°	12.6
57.5°	3.5
60°	2.6
62.5°	2.2
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.3
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°	1.3
110°	1.7
112.5°	1.7
115°	2.2
117.5°	2.2
120°	2.6
122.5°	3.5
125°	12.6
127.5°	20.8
130°	28.1
132.5°	35.5
135°	44.1
137.5°	55.4
140°	72.7
142.5°	93.9
145°	121.6
147.5°	169.6
150°	282.6
151°	337.6
152°	394.7
153°	451.4
154°	505.0
155°	554.4
156°	594.6
157°	622.3
158°	645.7
159°	669.9
160°	694.6
161°	720.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	748.3
163°	773.4
164°	800.6
165°	831.8
166°	864.2
167°	898.0
168°	930.5
169°	959.5
170°	985.8
171°	1007.9
172°	1027.8
173°	1043.0
174°	1052.5
175°	1055.5
176°	1056.4
177°	1052.9
178°	1049.0
179°	1048.6
180°	1051.6

(END OF REPORT)