

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: P221661

Luminaire Tested: **9003-W2-FL-LED4080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221661
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-LED4080-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1767.3 lumens
Efficiency: N/A
Efficacy: 90.2 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

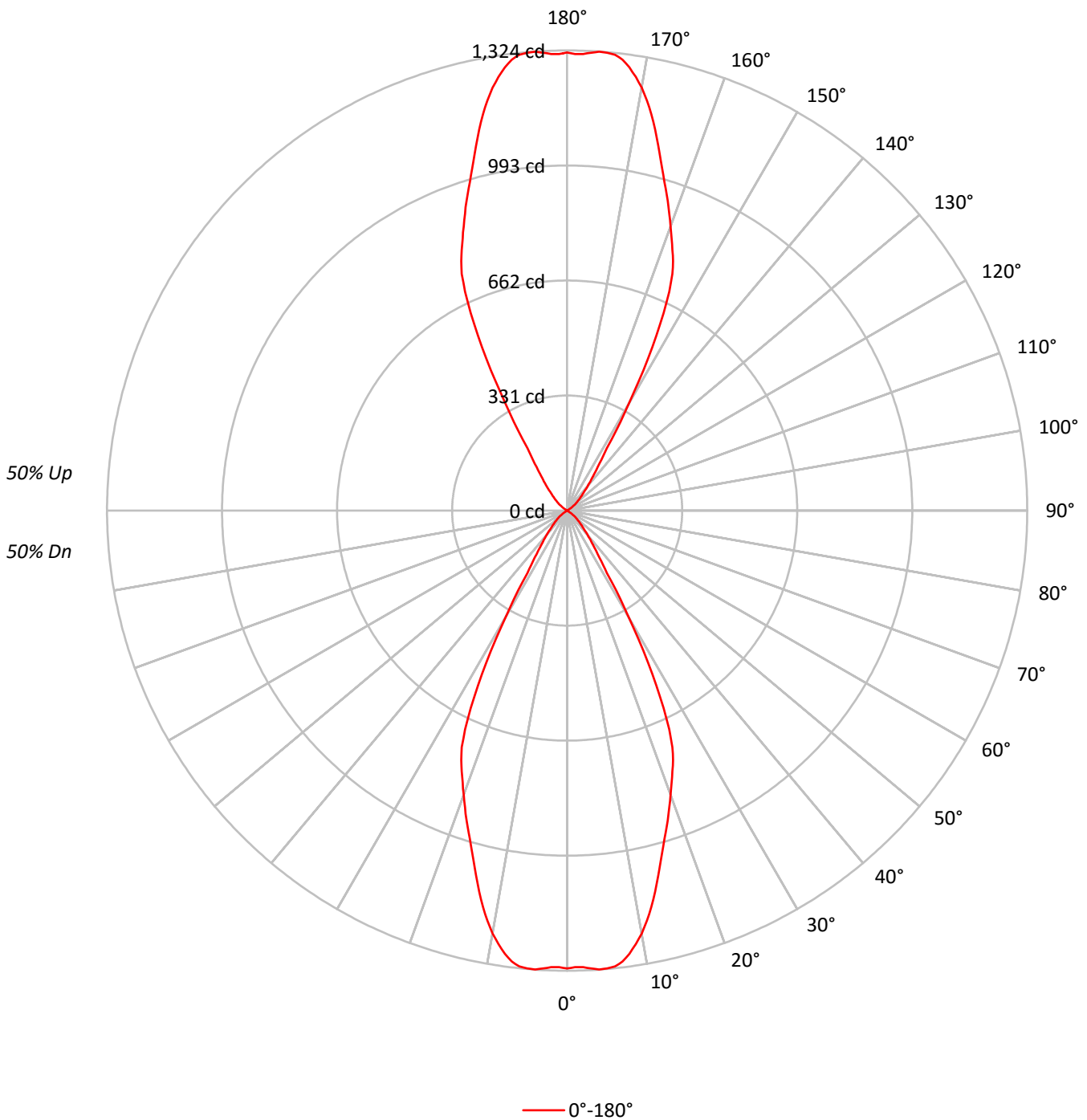
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	44	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°	288946
5°	291128
10°	275056
15°	236619
20°	203111
25°	168082
30°	89659
35°	40796
40°	26077
45°	17149
50°	12008
55°	6002
60°	1447
65°	1401
70°	1410
75°	932
80°	631
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	7.0
10°-20°	291.5	16.5
20°-30°	297.9	16.9
30°-40°	107.9	6.1
40°-50°	44.4	2.5
50°-60°	14.3	0.8
60°-70°	2.6	0.1
70°-80°	1.2	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	1.2	0.1
110°-120°	2.6	0.1
120°-130°	14.3	0.8
130°-140°	44.4	2.5
140°-150°	107.9	6.1
150°-160°	297.9	16.9
160°-170°	291.5	16.5
170°-180°	123.6	7.0
0°-30°	712.9	40.3
0°-40°	820.8	46.4
0°-60°	879.6	49.8
0°-90°	883.7	50.0
90°-120°	4.1	0.2
90°-150°	170.7	9.7
90°-180°	884.0	50.0
0°-180°	1767.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1318	
5°	1323	124
15°	1042	291
25°	695	298
35°	152	108
45°	55	44
55°	16	14
65°	3	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	3	3
125°	16	14
135°	55	44
145°	152	108
155°	695	298
165°	1042	291
175°	1323	124
180°	1318	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1317.7
1°	1313.9
2°	1314.5
3°	1319.4
4°	1323.7
5°	1322.6
6°	1318.8
7°	1306.9
8°	1287.9
9°	1263.0
10°	1235.3
11°	1202.2
12°	1165.9
13°	1125.2
14°	1082.9
15°	1042.3
16°	1003.2
17°	969.0
18°	937.6
19°	902.9
20°	870.4
21°	839.4
22°	809.1
23°	779.8
24°	745.1
25°	694.7
26°	632.8
27°	565.6
28°	494.6
29°	423.0
30°	354.1
32.5°	212.6
35°	152.4
37.5°	117.7
40°	91.1
42.5°	69.4
45°	55.3
47.5°	44.5
50°	35.2
52.5°	26.0
55°	15.7
57.5°	4.3
60°	3.3
62.5°	2.7
65°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	2.2
72.5°	1.6
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.5
97.5°	0.5
100°	0.5
102.5°	0.5
105°	1.1
107.5°	1.6
110°	2.2
112.5°	2.2
115°	2.7
117.5°	2.7
120°	3.3
122.5°	4.3
125°	15.7
127.5°	26.0
130°	35.2
132.5°	44.5
135°	55.3
137.5°	69.4
140°	91.1
142.5°	117.7
145°	152.4
147.5°	212.6
150°	354.1
151°	423.0
152°	494.6
153°	565.6
154°	632.8
155°	694.7
156°	745.1
157°	779.8
158°	809.1
159°	839.4
160°	870.4
161°	902.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	937.6
163°	969.0
164°	1003.2
165°	1042.3
166°	1082.9
167°	1125.2
168°	1165.9
169°	1202.2
170°	1235.3
171°	1263.0
172°	1287.9
173°	1306.9
174°	1318.8
175°	1322.6
176°	1323.7
177°	1319.4
178°	1314.5
179°	1313.9
180°	1317.7

(END OF REPORT)