

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: P221493

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED4080-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1483.9 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

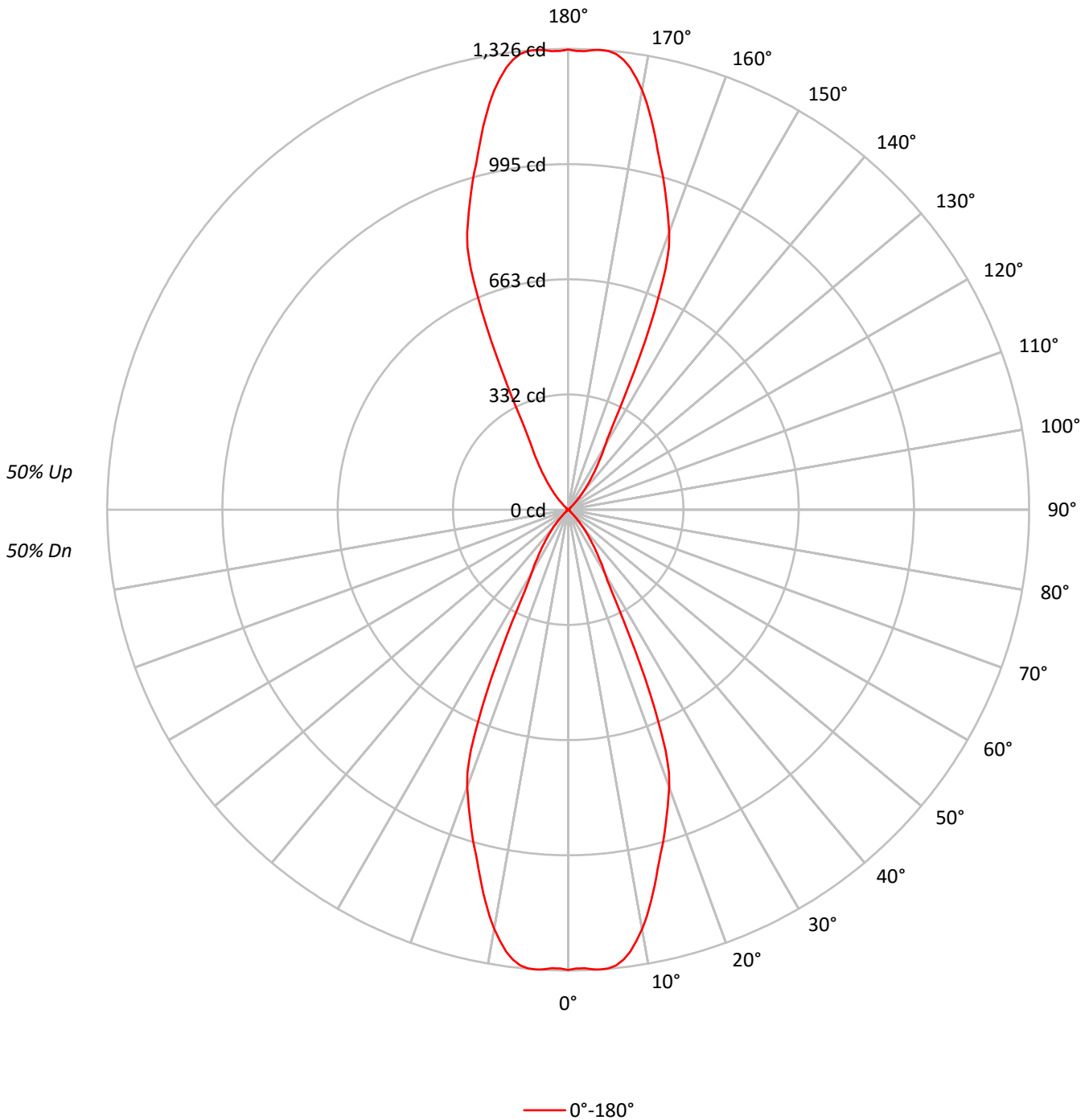
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	290371
5°	291613
10°	272763
15°	233032
20°	198047
25°	117684
30°	53553
35°	33970
40°	19236
45°	7071
50°	2217
55°	1644
60°	1447
65°	830
70°	321
75°	424
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	8.3
10°-20°	286.9	19.3
20°-30°	222.7	15.0
30°-40°	81.2	5.5
40°-50°	21.5	1.4
50°-60°	4.0	0.3
60°-70°	1.8	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.8	0.1
120°-130°	4.0	0.3
130°-140°	21.5	1.4
140°-150°	81.2	5.5
150°-160°	222.7	15.0
160°-170°	286.9	19.3
170°-180°	123.4	8.3
0°-30°	633.0	42.7
0°-40°	714.2	48.1
0°-60°	739.7	49.8
0°-90°	741.9	50.0
90°-120°	2.3	0.2
90°-150°	108.9	7.3
90°-180°	742.0	50.0
0°-180°	1483.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1324	
5°	1325	123
15°	1026	287
25°	486	223
35°	127	81
45°	23	21
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	4	4
135°	23	21
145°	127	81
155°	486	223
165°	1026	287
175°	1325	123
180°	1324	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1324.2
1°	1320.4
2°	1320.4
3°	1324.2
4°	1326.4
5°	1324.8
6°	1318.3
7°	1304.7
8°	1283.6
9°	1255.9
10°	1225.0
11°	1189.2
12°	1149.6
13°	1107.9
14°	1065.0
15°	1026.5
16°	991.8
17°	954.9
18°	919.7
19°	883.9
20°	848.7
21°	809.6
22°	747.8
23°	666.5
24°	578.1
25°	486.4
26°	400.2
27°	323.2
28°	265.2
29°	232.1
30°	211.5
32.5°	166.5
35°	126.9
37.5°	95.4
40°	67.2
42.5°	44.5
45°	22.8
47.5°	10.3
50°	6.5
52.5°	4.9
55°	4.3
57.5°	3.8
60°	3.3
62.5°	2.2
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	1.6
115°	1.6
117.5°	2.2
120°	3.3
122.5°	3.8
125°	4.3
127.5°	4.9
130°	6.5
132.5°	10.3
135°	22.8
137.5°	44.5
140°	67.2
142.5°	95.4
145°	126.9
147.5°	166.5
150°	211.5
151°	232.1
152°	265.2
153°	323.2
154°	400.2
155°	486.4
156°	578.1
157°	666.5
158°	747.8
159°	809.6
160°	848.7
161°	883.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	919.7
163°	954.9
164°	991.8
165°	1026.5
166°	1065.0
167°	1107.9
168°	1149.6
169°	1189.2
170°	1225.0
171°	1255.9
172°	1283.6
173°	1304.7
174°	1318.3
175°	1324.8
176°	1326.4
177°	1324.2
178°	1320.4
179°	1320.4
180°	1324.2

(END OF REPORT)