

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: P221495

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1845.6 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

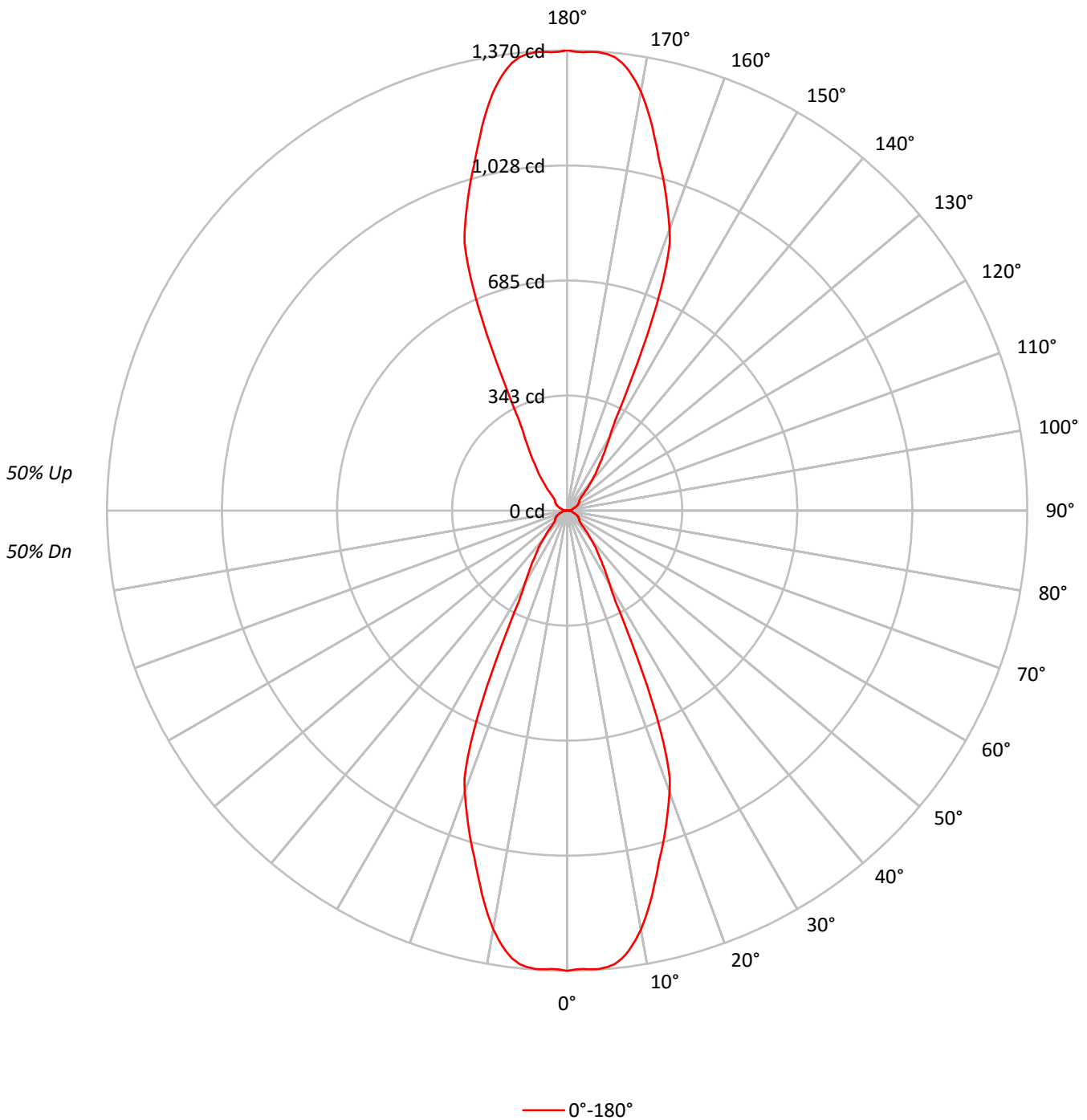
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57	55	52	50	46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47	48	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26

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

	0°
0°	300480
5°	300329
10°	281825
15°	242385
20°	208151
25°	128185
30°	63985
35°	44865
40°	31201
45°	20002
50°	16272
55°	16592
60°	16885
65°	16344
70°	14618
75°	13810
80°	15027
85°	15096



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	6.9
10°-20°	298.8	16.2
20°-30°	242.5	13.1
30°-40°	107.2	5.8
40°-50°	53.8	2.9
50°-60°	38.7	2.1
60°-70°	30.7	1.7
70°-80°	17.5	0.9
80°-90°	6.5	0.4
90°-100°	6.5	0.4
100°-110°	17.5	0.9
110°-120°	30.7	1.7
120°-130°	38.7	2.1
130°-140°	53.8	2.9
140°-150°	107.2	5.8
150°-160°	242.5	13.1
160°-170°	298.8	16.2
170°-180°	127.2	6.9
0°-30°	668.5	36.2
0°-40°	775.8	42.0
0°-60°	868.2	47.0
0°-90°	922.8	50.0
90°-120°	54.6	3.0
90°-150°	254.3	13.8
90°-180°	923.0	50.0
0°-180°	1845.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1370	
5°	1364	127
15°	1068	299
25°	530	243
35°	168	107
45°	64	54
55°	43	39
65°	32	31
75°	16	17
85°	6	6
90°	0	1
95°	6	6
105°	16	17
115°	32	31
125°	43	39
135°	64	54
145°	168	107
155°	530	243
165°	1068	299
175°	1364	127
180°	1370	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1370.3
1°	1366.5
2°	1365.5
3°	1367.6
4°	1367.6
5°	1364.4
6°	1357.3
7°	1343.2
8°	1322.6
9°	1296.0
10°	1265.7
11°	1230.4
12°	1191.4
13°	1149.1
14°	1107.3
15°	1067.7
16°	1033.6
17°	997.8
18°	962.0
19°	926.2
20°	892.0
21°	852.5
22°	790.1
23°	709.8
24°	622.0
25°	529.8
26°	443.0
27°	366.0
28°	307.5
29°	273.8
30°	252.7
32.5°	207.1
35°	167.6
37.5°	138.3
40°	109.0
42.5°	86.2
45°	64.5
47.5°	52.1
50°	47.7
52.5°	45.6
55°	43.4
57.5°	40.7
60°	38.5
62.5°	35.2
65°	31.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	26.6
70°	22.8
72.5°	18.4
75°	16.3
77.5°	14.1
80°	11.9
82.5°	9.2
85°	6.0
87.5°	2.7
90°	0.0
92.5°	2.7
95°	6.0
97.5°	9.2
100°	11.9
102.5°	14.1
105°	16.3
107.5°	18.4
110°	22.8
112.5°	26.6
115°	31.5
117.5°	35.2
120°	38.5
122.5°	40.7
125°	43.4
127.5°	45.6
130°	47.7
132.5°	52.1
135°	64.5
137.5°	86.2
140°	109.0
142.5°	138.3
145°	167.6
147.5°	207.1
150°	252.7
151°	273.8
152°	307.5
153°	366.0
154°	443.0
155°	529.8
156°	622.0
157°	709.8
158°	790.1
159°	852.5
160°	892.0
161°	926.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	962.0
163°	997.8
164°	1033.6
165°	1067.7
166°	1107.3
167°	1149.1
168°	1191.4
169°	1230.4
170°	1265.7
171°	1296.0
172°	1322.6
173°	1343.2
174°	1357.3
175°	1364.4
176°	1367.6
177°	1367.6
178°	1365.5
179°	1366.5
180°	1370.3

(END OF REPORT)