

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: P221934

Luminaire Tested: **9004-W2-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED5080-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2256.3 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

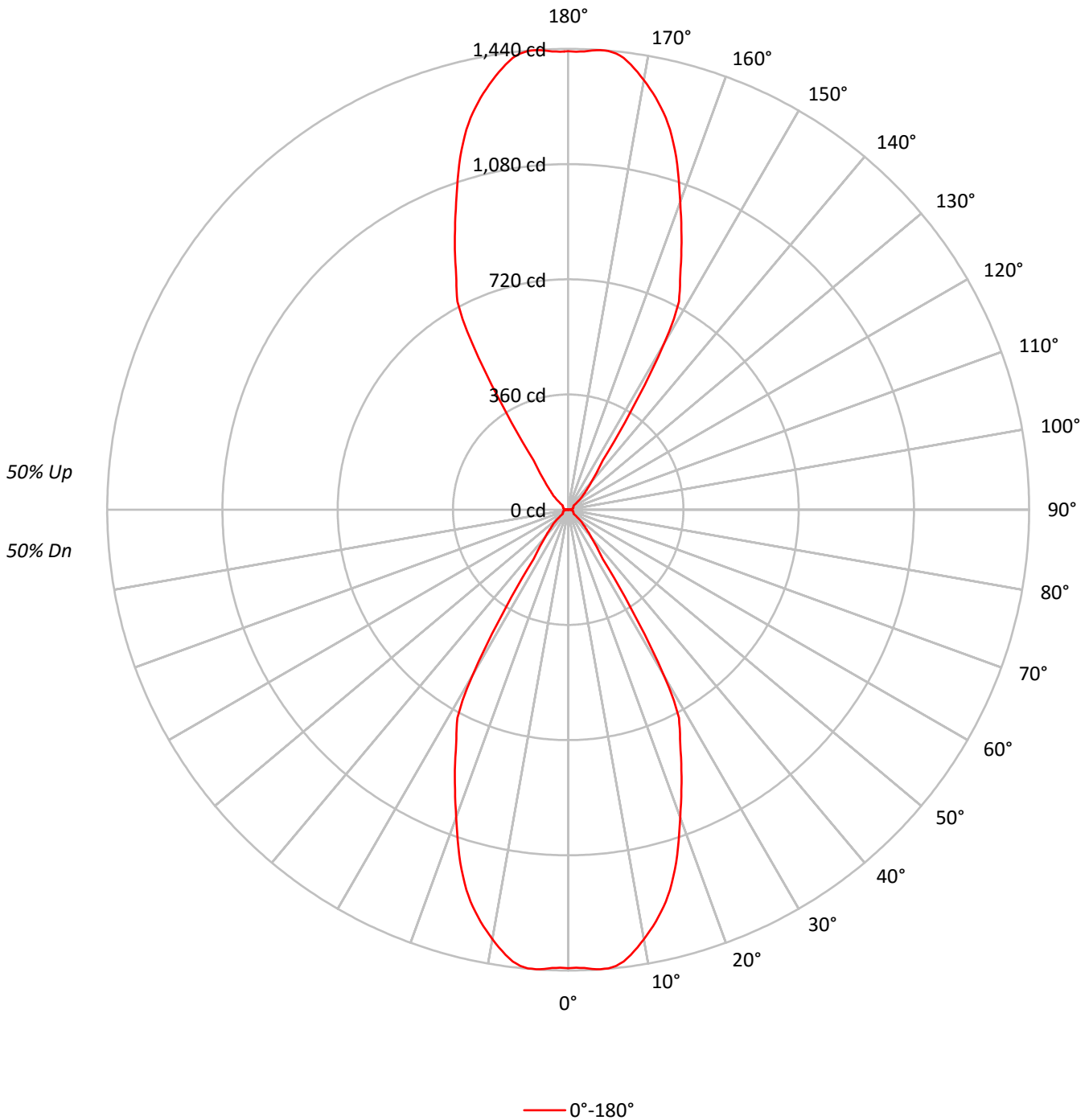
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	51	46
2	93	87	82	78	86	81	77	73	70	67	64	59	57	56	50	48	47	43
3	87	79	73	69	80	74	69	65	64	61	58	55	53	51	47	45	44	40
4	81	72	66	61	75	68	62	58	59	55	52	51	49	46	44	42	41	37
5	76	67	60	55	71	63	57	52	55	51	48	48	45	43	42	40	38	35
6	71	61	55	50	66	58	52	48	51	47	44	45	42	39	39	37	35	33
7	67	57	50	46	63	54	48	44	48	43	40	42	39	37	37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37	40	37	34	35	33	31	29
9	60	49	43	39	56	47	41	37	42	38	35	38	34	32	34	31	29	28
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	30	28	26

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

	0°
0°	176717
5°	178148
10°	170689
15°	157054
20°	134241
25°	113001
30°	85414
35°	28384
40°	18034
45°	12280
50°	7158
55°	4301
60°	4712
65°	5195
70°	5951
75°	7244
80°	8666
85°	8633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.9	6.0
10°-20°	339.2	15.0
20°-30°	379.9	16.8
30°-40°	158.9	7.0
40°-50°	55.2	2.4
50°-60°	20.0	0.9
60°-70°	17.6	0.8
70°-80°	15.7	0.7
80°-90°	6.6	0.3
90°-100°	6.6	0.3
100°-110°	15.7	0.7
110°-120°	17.6	0.8
120°-130°	20.0	0.9
130°-140°	55.2	2.4
140°-150°	158.9	7.0
150°-160°	379.9	16.8
160°-170°	339.2	15.0
170°-180°	134.9	6.0
0°-30°	854.0	37.9
0°-40°	1012.9	44.9
0°-60°	1088.1	48.2
0°-90°	1128.2	50.0
90°-120°	40.0	1.8
90°-150°	274.1	12.1
90°-180°	1128.0	50.0
0°-180°	2256.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1433	
5°	1439	135
15°	1230	339
25°	830	380
35°	188	159
45°	70	55
55°	20	20
65°	18	18
75°	15	16
85°	6	6
90°	0	1
95°	6	6
105°	15	16
115°	18	18
125°	20	20
135°	70	55
145°	188	159
155°	830	380
165°	1230	339
175°	1439	135
180°	1433	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1432.7
1°	1431.4
2°	1432.7
3°	1437.0
4°	1439.6
5°	1438.8
6°	1433.5
7°	1422.2
8°	1404.4
9°	1384.5
10°	1362.8
11°	1339.7
12°	1316.3
13°	1289.8
14°	1261.6
15°	1229.9
16°	1192.1
17°	1152.6
18°	1110.0
19°	1065.7
20°	1022.7
21°	982.8
22°	944.1
23°	905.9
24°	868.5
25°	830.3
26°	796.9
27°	767.4
28°	737.0
29°	681.4
30°	599.7
32.5°	359.6
35°	188.5
37.5°	144.2
40°	112.0
42.5°	87.3
45°	70.4
47.5°	56.5
50°	37.3
52.5°	22.1
55°	20.0
57.5°	19.5
60°	19.1
62.5°	18.7
65°	17.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	16.9
70°	16.5
72.5°	16.1
75°	15.2
77.5°	13.9
80°	12.2
82.5°	9.6
85°	6.1
87.5°	2.6
90°	0.0
92.5°	2.6
95°	6.1
97.5°	9.6
100°	12.2
102.5°	13.9
105°	15.2
107.5°	16.1
110°	16.5
112.5°	16.9
115°	17.8
117.5°	18.7
120°	19.1
122.5°	19.5
125°	20.0
127.5°	22.1
130°	37.3
132.5°	56.5
135°	70.4
137.5°	87.3
140°	112.0
142.5°	144.2
145°	188.5
147.5°	359.6
150°	599.7
151°	681.4
152°	737.0
153°	767.4
154°	796.9
155°	830.3
156°	868.5
157°	905.9
158°	944.1
159°	982.8
160°	1022.7
161°	1065.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1110.0
163°	1152.6
164°	1192.1
165°	1229.9
166°	1261.6
167°	1289.8
168°	1316.3
169°	1339.7
170°	1362.8
171°	1384.5
172°	1404.4
173°	1422.2
174°	1433.5
175°	1438.8
176°	1439.6
177°	1437.0
178°	1432.7
179°	1431.4
180°	1432.7

(END OF REPORT)