

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: P221928

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)  
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-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2294.1 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

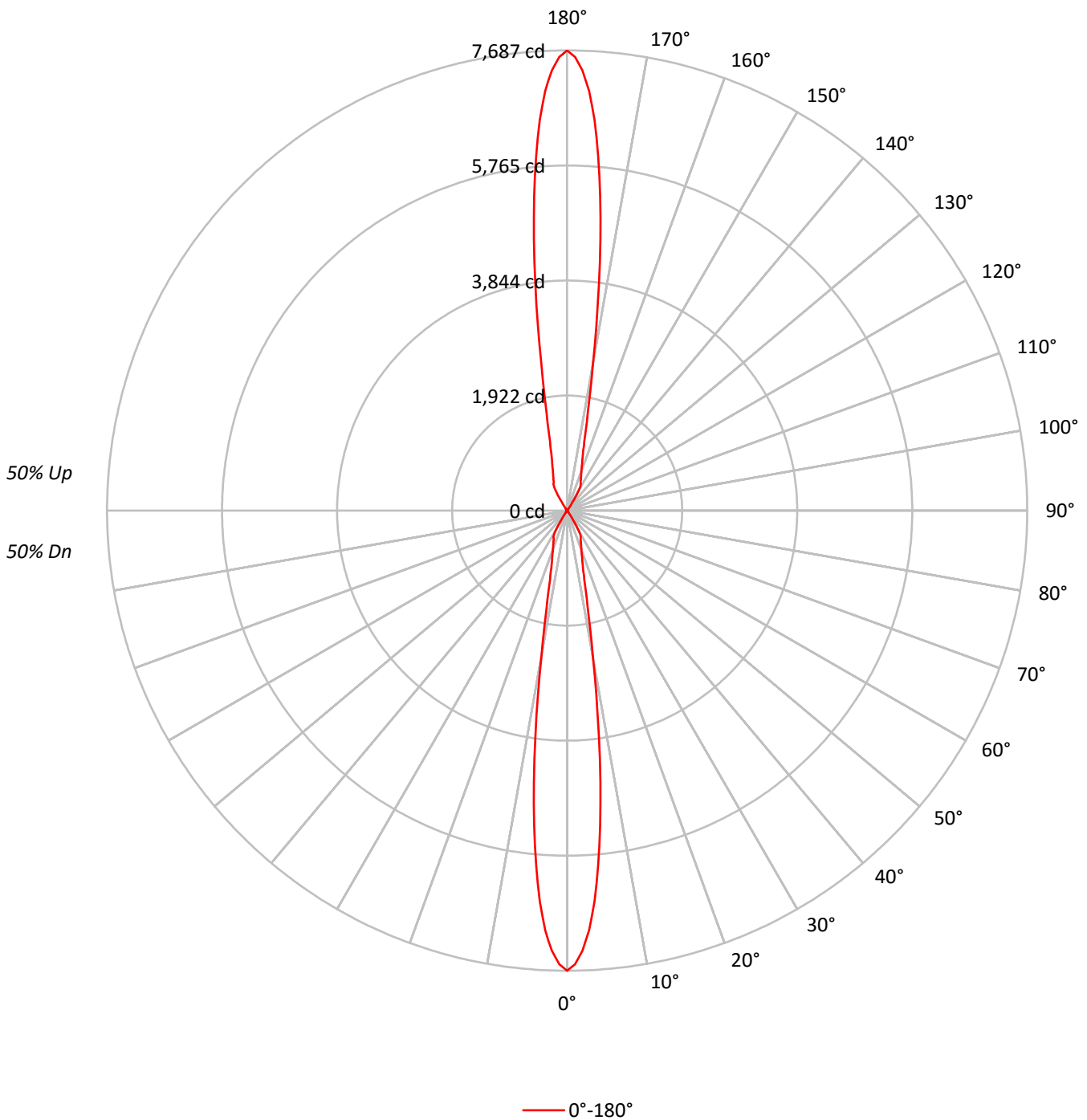
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74	65	64	63	54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67	61	60	58	52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61	58	56	54	50	48	47	44
4	84	76	70	66	78	72	67	63	63	60	57	55	53	51	48	46	45	42
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41
6	75	67	61	56	71	63	58	54	57	53	50	50	48	46	45	43	42	39
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	42	40	38
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36
10	63	54	48	45	59	52	47	43	47	44	41	43	41	39	40	38	36	35

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

	0°
0°	948108
5°	736759
10°	312207
15°	133481
20°	91148
25°	72635
30°	54308
35°	7198
40°	3848
45°	2808
50°	2994
55°	3269
60°	3651
65°	4174
70°	4869
75°	5814
80°	6819
85°	6793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.0	19.6
10°-20°	321.8	14.0
20°-30°	248.3	10.8
30°-40°	68.8	3.0
40°-50°	13.3	0.6
50°-60°	13.6	0.6
60°-70°	14.2	0.6
70°-80°	12.7	0.6
80°-90°	5.3	0.2
90°-100°	5.3	0.2
100°-110°	12.7	0.6
110°-120°	14.2	0.6
120°-130°	13.6	0.6
130°-140°	13.3	0.6
140°-150°	68.8	3.0
150°-160°	248.3	10.8
160°-170°	321.8	14.0
170°-180°	449.0	19.6
0°-30°	1019.1	44.4
0°-40°	1087.9	47.4
0°-60°	1114.9	48.6
0°-90°	1147.1	50.0
90°-120°	32.2	1.4
90°-150°	128.0	5.6
90°-180°	1147.0	50.0
0°-180°	2294.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7687	
5°	5950	449
15°	1045	322
25°	534	248
35°	48	69
45°	16	13
55°	15	14
65°	14	14
75°	12	13
85°	5	5
90°	0	1
95°	5	5
105°	12	13
115°	14	14
125°	15	14
135°	16	13
145°	48	69
155°	534	248
165°	1045	322
175°	5950	449
180°	7687	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7686.6
1°	7578.9
2°	7355.7
3°	7016.6
4°	6544.9
5°	5950.4
6°	5279.0
7°	4570.3
8°	3802.9
9°	3107.2
10°	2492.7
11°	2008.5
12°	1641.1
13°	1375.3
14°	1187.3
15°	1045.3
16°	939.8
17°	860.7
18°	798.6
19°	744.3
20°	694.4
22.5°	601.5
25°	533.7
26°	516.4
27°	501.6
28°	483.8
29°	445.1
30°	381.3
32.5°	183.3
35°	47.8
37.5°	30.8
40°	23.9
42.5°	17.8
45°	16.1
47.5°	15.6
50°	15.6
52.5°	15.2
55°	15.2
57.5°	15.2
60°	14.8
62.5°	14.8
65°	14.3
67.5°	13.9
70°	13.5
72.5°	13.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	12.2
77.5°	11.3
80°	9.6
82.5°	7.8
85°	4.8
87.5°	2.2
90°	0.0
92.5°	2.2
95°	4.8
97.5°	7.8
100°	9.6
102.5°	11.3
105°	12.2
107.5°	13.0
110°	13.5
112.5°	13.9
115°	14.3
117.5°	14.8
120°	14.8
122.5°	15.2
125°	15.2
127.5°	15.2
130°	15.6
132.5°	15.6
135°	16.1
137.5°	17.8
140°	23.9
142.5°	30.8
145°	47.8
147.5°	183.3
150°	381.3
151°	445.1
152°	483.8
153°	501.6
154°	516.4
155°	533.7
157.5°	601.5
160°	694.4
161°	744.3
162°	798.6
163°	860.7
164°	939.8
165°	1045.3
166°	1187.3
167°	1375.3



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1641.1
169°	2008.5
170°	2492.7
171°	3107.2
172°	3802.9
173°	4570.3
174°	5279.0
175°	5950.4
176°	6544.9
177°	7016.6
178°	7355.7
179°	7578.9
180°	7686.6

(END OF REPORT)