

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: P221791

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221791  
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]-LED3090-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3200.4 lumens  
Efficiency: N/A  
Efficacy: 79.6 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

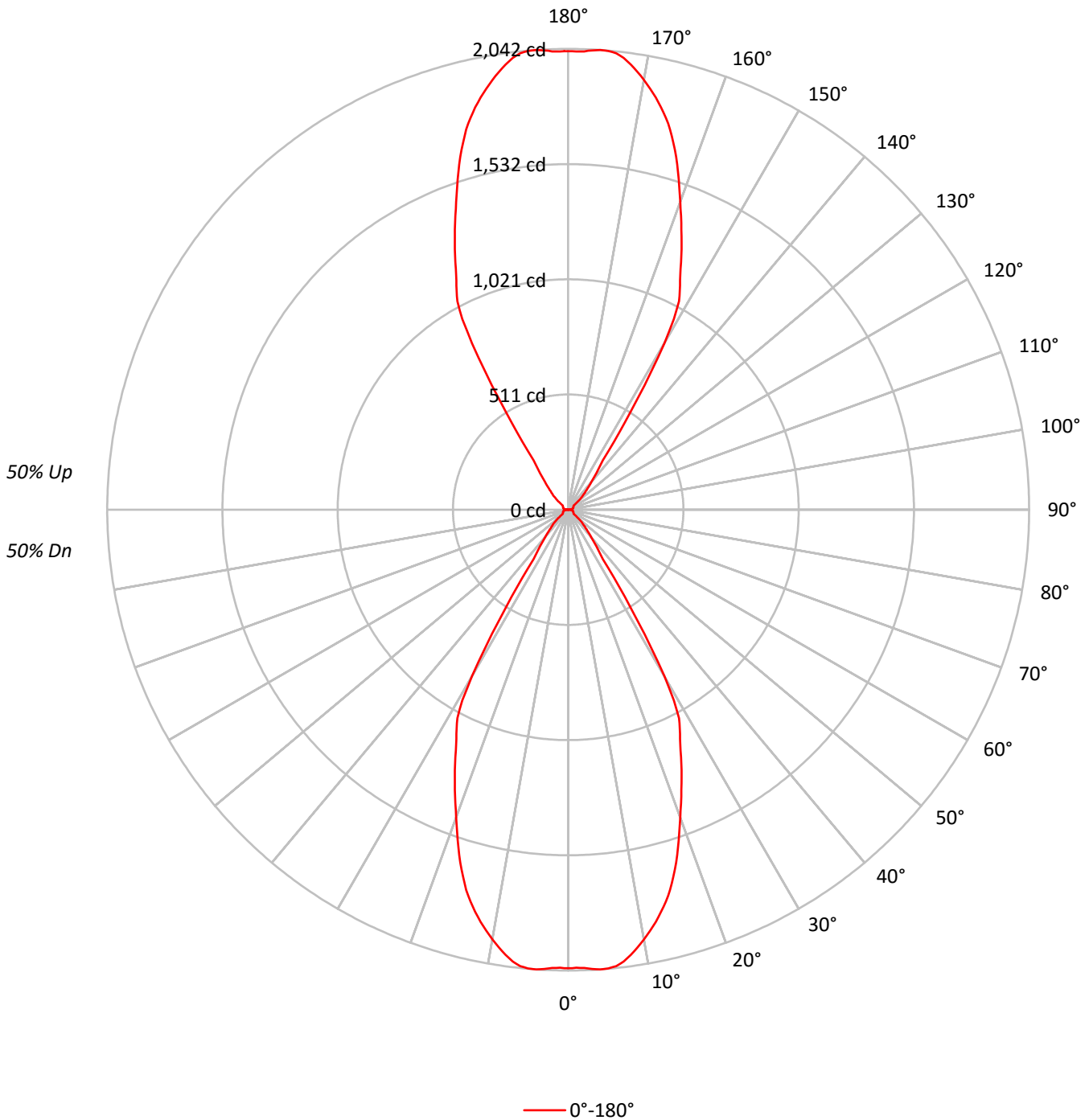
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	53	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°	250663
5°	252685
10°	242105
15°	222767
20°	190421
25°	160295
30°	121163
35°	40249
40°	25585
45°	17409
50°	10170
55°	6086
60°	6685
65°	7384
70°	8439
75°	10294
80°	12217
85°	12171



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.3	6.0
10°-20°	481.2	15.0
20°-30°	538.9	16.8
30°-40°	225.4	7.0
40°-50°	78.3	2.4
50°-60°	28.4	0.9
60°-70°	25.0	0.8
70°-80°	22.3	0.7
80°-90°	9.4	0.3
90°-100°	9.4	0.3
100°-110°	22.3	0.7
110°-120°	25.0	0.8
120°-130°	28.4	0.9
130°-140°	78.3	2.4
140°-150°	225.4	7.0
150°-160°	538.9	16.8
160°-170°	481.2	15.0
170°-180°	191.3	6.0
0°-30°	1211.4	37.9
0°-40°	1436.8	44.9
0°-60°	1543.5	48.2
0°-90°	1600.2	50.0
90°-120°	56.7	1.8
90°-150°	388.8	12.1
90°-180°	1600.0	50.0
0°-180°	3200.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2032	
5°	2041	191
15°	1744	481
25°	1178	539
35°	267	225
45°	100	78
55°	28	28
65°	25	25
75°	22	22
85°	9	9
90°	0	1
95°	9	9
105°	22	22
115°	25	25
125°	28	28
135°	100	78
145°	267	225
155°	1178	539
165°	1744	481
175°	2041	191
180°	2032	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2032.2
1°	2030.3
2°	2032.2
3°	2038.4
4°	2042.1
5°	2040.8
6°	2033.4
7°	2017.4
8°	1992.2
9°	1963.8
10°	1933.0
11°	1900.4
12°	1867.1
13°	1829.5
14°	1789.5
15°	1744.5
16°	1690.9
17°	1634.9
18°	1574.5
19°	1511.7
20°	1450.7
21°	1394.0
22°	1339.2
23°	1285.0
24°	1232.0
25°	1177.8
26°	1130.4
27°	1088.5
28°	1045.4
29°	966.5
30°	850.7
32.5°	510.1
35°	267.3
37.5°	204.5
40°	158.9
42.5°	123.8
45°	99.8
47.5°	80.1
50°	53.0
52.5°	31.4
55°	28.3
57.5°	27.7
60°	27.1
62.5°	26.5
65°	25.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.0
70°	23.4
72.5°	22.8
75°	21.6
77.5°	19.7
80°	17.2
82.5°	13.6
85°	8.6
87.5°	3.7
90°	0.0
92.5°	3.7
95°	8.6
97.5°	13.6
100°	17.2
102.5°	19.7
105°	21.6
107.5°	22.8
110°	23.4
112.5°	24.0
115°	25.3
117.5°	26.5
120°	27.1
122.5°	27.7
125°	28.3
127.5°	31.4
130°	53.0
132.5°	80.1
135°	99.8
137.5°	123.8
140°	158.9
142.5°	204.5
145°	267.3
147.5°	510.1
150°	850.7
151°	966.5
152°	1045.4
153°	1088.5
154°	1130.4
155°	1177.8
156°	1232.0
157°	1285.0
158°	1339.2
159°	1394.0
160°	1450.7
161°	1511.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1574.5
163°	1634.9
164°	1690.9
165°	1744.5
166°	1789.5
167°	1829.5
168°	1867.1
169°	1900.4
170°	1933.0
171°	1963.8
172°	1992.2
173°	2017.4
174°	2033.4
175°	2040.8
176°	2042.1
177°	2038.4
178°	2032.2
179°	2030.3
180°	2032.2

(END OF REPORT)