

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: P220797

Luminaire Tested: **9004-W1-[RW, RI]-LED3090-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220797  
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-W1-[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: 1600.2 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: Direct

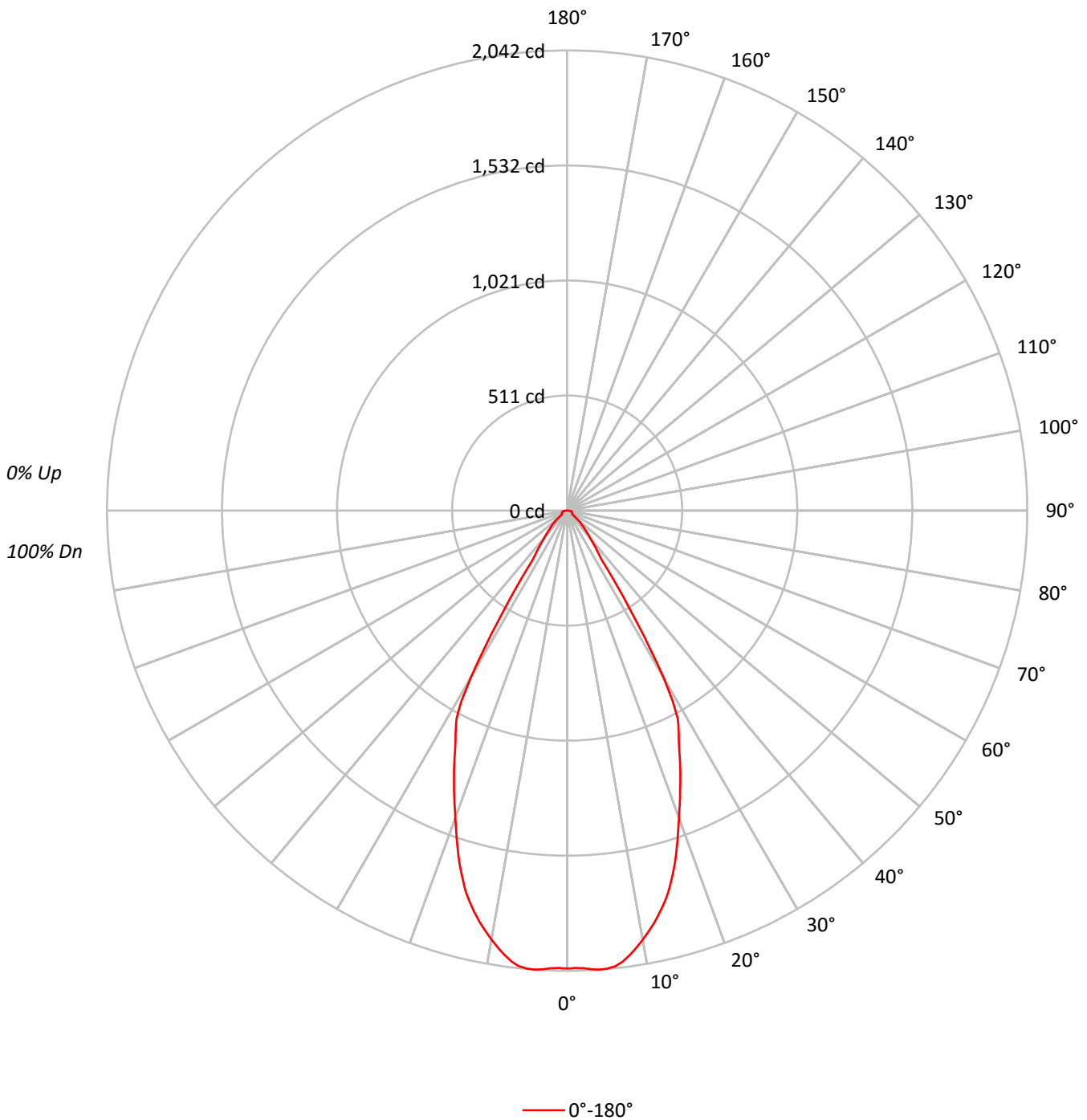
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

**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	12.0
10°-20°	481.2	30.1
20°-30°	538.9	33.7
30°-40°	225.4	14.1
40°-50°	78.3	4.9
50°-60°	28.4	1.8
60°-70°	25.0	1.6
70°-80°	22.3	1.4
80°-90°	9.4	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1211.4	75.7
0°-40°	1436.8	89.8
0°-60°	1543.5	96.5
0°-90°	1600.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.2	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	



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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

(END OF REPORT)