

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: P220757

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-M-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
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]-LED2797-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1851.6 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

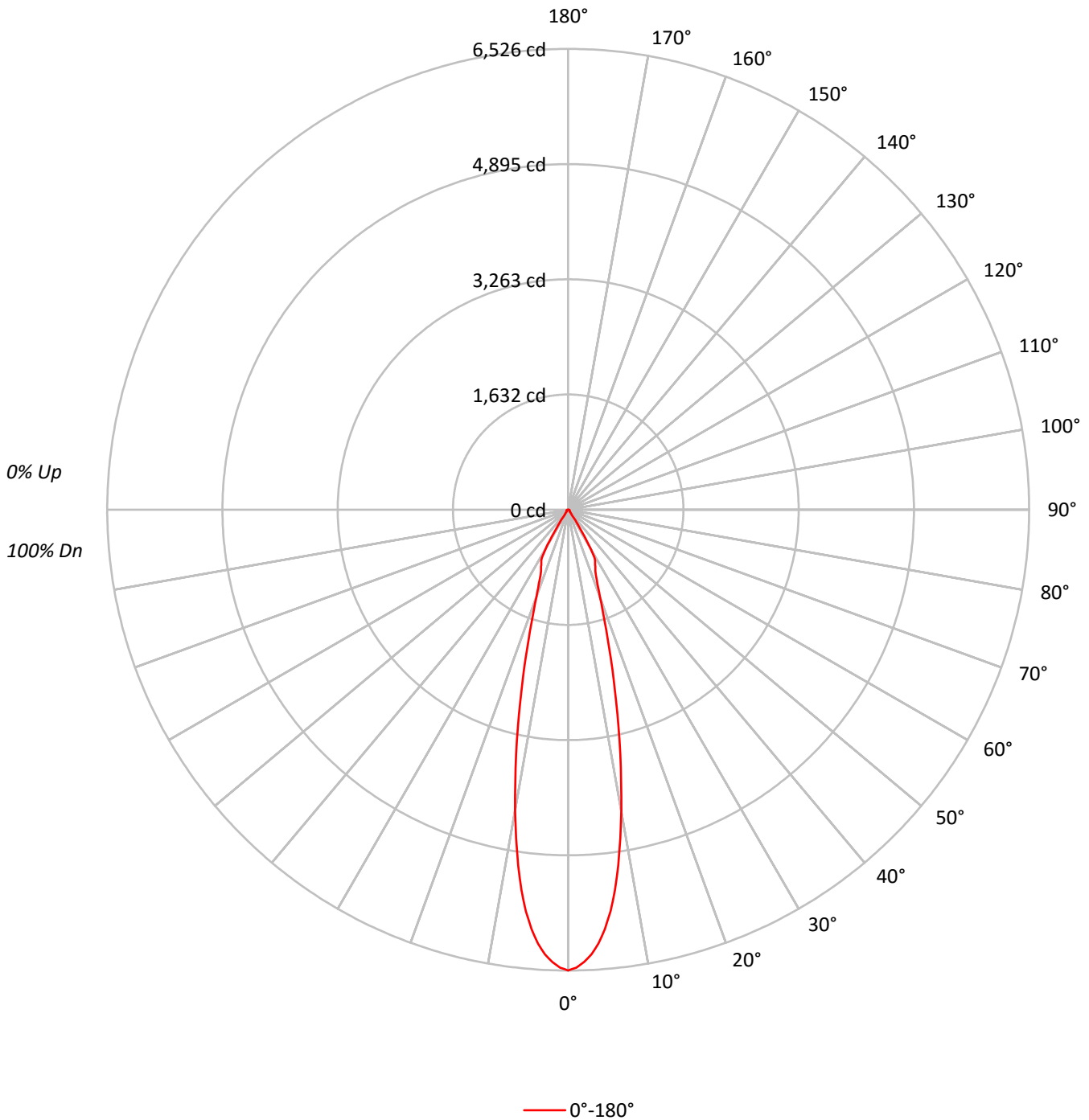
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

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

	0°
0°	804966
5°	738171
10°	541674
15°	317250
20°	173108
25°	123331
30°	91225
35°	13160
40°	7214
45°	5128
50°	5239
55°	5419
60°	6044
65°	6742
70°	7826
75°	9674
80°	11436
85°	10897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.0	27.9
10°-20°	690.8	37.3
20°-30°	426.5	23.0
30°-40°	118.9	6.4
40°-50°	24.0	1.3
50°-60°	22.9	1.2
60°-70°	23.1	1.2
70°-80°	20.7	1.1
80°-90°	8.7	0.5
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°	1633.3	88.2
0°-40°	1752.2	94.6
0°-60°	1799.1	97.2
0°-90°	1851.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6526	
5°	5962	516
15°	2484	691
25°	906	426
35°	87	119
45°	29	24
55°	25	23
65°	23	23
75°	20	21
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6526.1
1°	6485.5
2°	6410.7
3°	6304.4
4°	6158.3
5°	5961.8
6°	5718.4
7°	5428.9
8°	5083.5
9°	4712.2
10°	4324.8
11°	3930.5
12°	3541.0
13°	3161.3
14°	2808.9
15°	2484.4
16°	2185.8
17°	1918.0
18°	1683.1
19°	1482.4
20°	1318.8
21°	1183.8
22°	1082.4
23°	1005.5
24°	948.2
25°	906.2
26°	872.0
27°	841.9
28°	813.2
29°	748.9
30°	640.5
32.5°	310.5
35°	87.4
37.5°	60.1
40°	44.8
42.5°	31.5
45°	29.4
47.5°	28.0
50°	27.3
52.5°	25.9
55°	25.2
57.5°	25.2
60°	24.5
62.5°	24.5
65°	23.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	22.4
70°	21.7
72.5°	21.0
75°	20.3
77.5°	18.2
80°	16.1
82.5°	12.6
85°	7.7
87.5°	3.5
90°	0.0

(END OF REPORT)