

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: P221111

Luminaire Tested: **9004-W1-FL-LED2790-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED2790-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1624.8 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

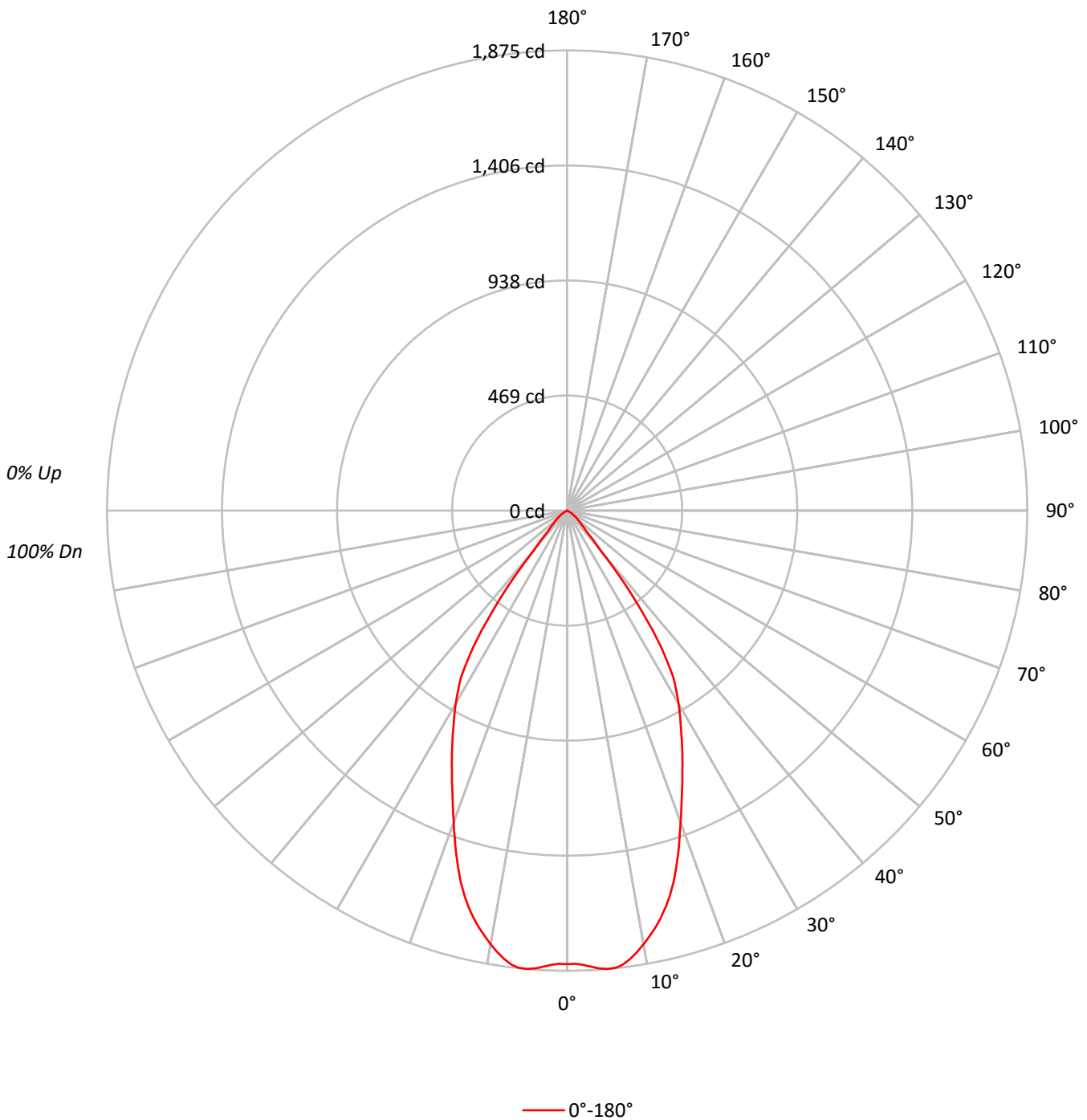
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56		63	59	55		63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52		60	55	52		59	55	52	51

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

	0°
0°	227906
5°	232169
10°	224783
15°	207022
20°	177413
25°	151299
30°	129381
35°	96716
40°	34313
45°	16048
50°	10612
55°	7140
60°	3602
65°	846
70°	613
75°	572
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	10.9
10°-20°	447.5	27.5
20°-30°	510.8	31.4
30°-40°	375.0	23.1
40°-50°	79.6	4.9
50°-60°	30.1	1.9
60°-70°	4.3	0.3
70°-80°	1.1	0.1
80°-90°	0.0	0.0
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°	1134.7	69.8
0°-40°	1509.7	92.9
0°-60°	1619.4	99.7
0°-90°	1624.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1624.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1848	
5°	1875	176
15°	1621	447
25°	1112	511
35°	642	375
45°	92	80
55°	33	30
65°	3	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1847.7
1°	1847.1
2°	1851.8
3°	1861.1
4°	1869.9
5°	1875.1
6°	1873.9
7°	1864.0
8°	1844.8
9°	1820.9
10°	1794.7
11°	1765.0
12°	1734.8
13°	1700.4
14°	1663.1
15°	1621.2
16°	1573.5
17°	1520.5
18°	1465.7
19°	1408.1
20°	1351.6
21°	1299.2
22°	1248.5
23°	1200.8
24°	1155.3
25°	1111.7
26°	1069.2
27°	1026.1
28°	984.7
29°	946.3
30°	908.4
32.5°	806.5
35°	642.3
37.5°	433.8
40°	213.1
42.5°	120.0
45°	92.0
47.5°	72.2
50°	55.3
52.5°	43.7
55°	33.2
57.5°	23.9
60°	14.6
62.5°	4.1
65°	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.3
70°	1.7
72.5°	1.7
75°	1.2
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)