

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: P220871

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29493)
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]-LED3097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

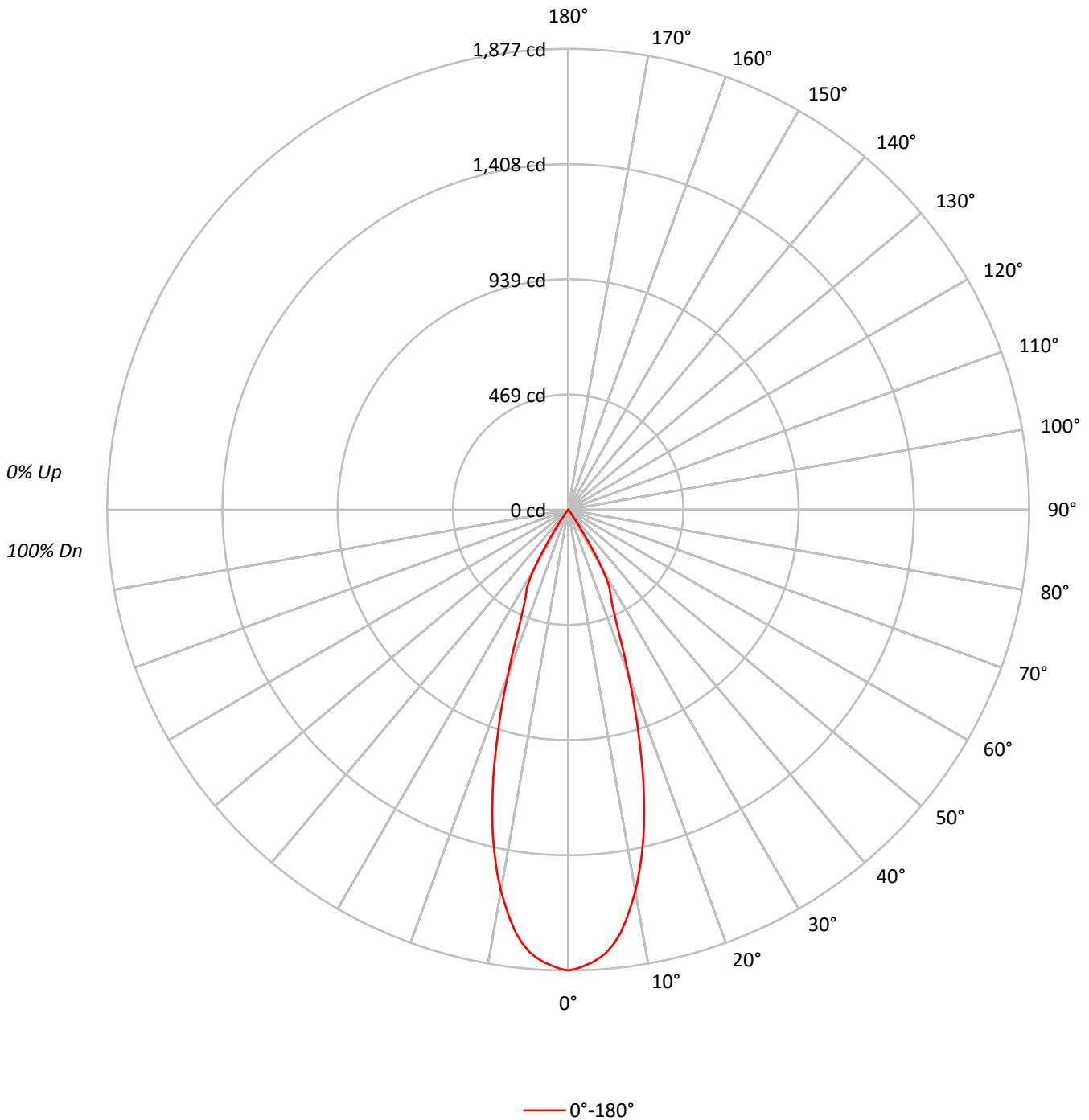
Lumens per Lamp: N/A
Luminaire Lumens: 741.1 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	76	73	87	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	231507
5°	223848
10°	197392
15°	151959
20°	94272
25°	57664
30°	39253
35°	5195
40°	1465
45°	366
50°	288
55°	194
60°	148
65°	175
70°	108
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	22.3
10°-20°	319.2	43.1
20°-30°	204.7	27.6
30°-40°	48.2	6.5
40°-50°	2.3	0.3
50°-60°	0.9	0.1
60°-70°	0.5	0.1
70°-80°	0.1	0.0
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°	689.1	93.0
0°-40°	737.3	99.5
0°-60°	740.5	99.9
0°-90°	741.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1877	
5°	1808	165
15°	1190	319
25°	424	205
35°	34	48
45°	2	2
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1876.9
1°	1870.1
2°	1859.2
3°	1846.8
4°	1830.6
5°	1807.9
6°	1777.5
7°	1738.8
8°	1688.7
9°	1634.1
10°	1576.0
11°	1510.2
12°	1439.6
13°	1363.2
14°	1278.5
15°	1190.0
16°	1096.2
17°	999.1
18°	902.3
19°	808.5
20°	718.2
21°	637.9
22°	566.2
23°	506.0
24°	460.3
25°	423.7
26°	396.3
27°	375.0
28°	356.1
29°	324.0
30°	275.6
32.5°	131.6
35°	34.5
37.5°	18.3
40°	9.1
42.5°	3.0
45°	2.1
47.5°	1.8
50°	1.5
52.5°	1.2
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)