

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: P220788

Luminaire Tested: **9004-W1-[RW, RI]-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220788
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-L1-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: 866.6 lumens
Efficiency: N/A
Efficacy: 88.4 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

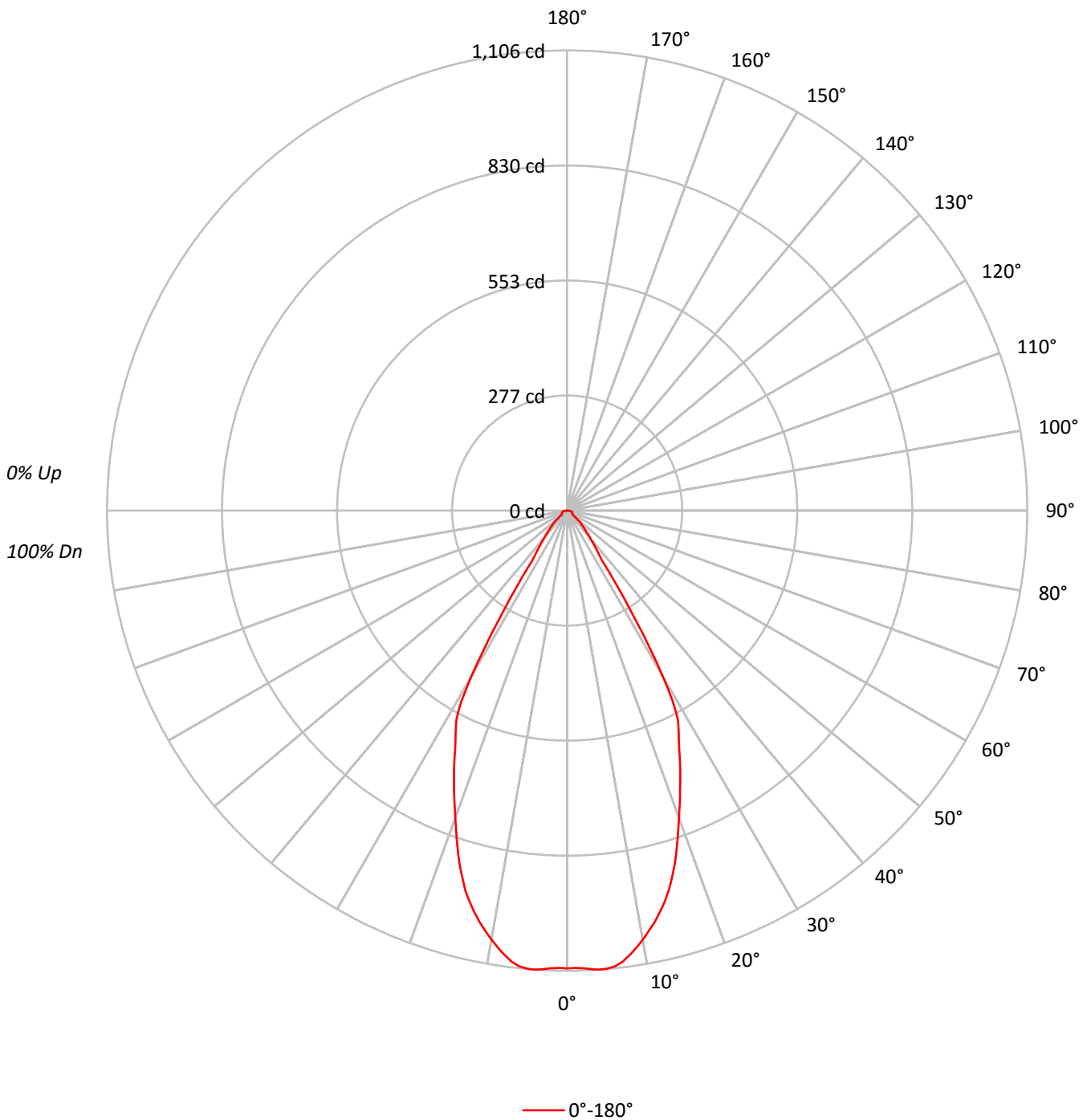
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	135754
5°	136855
10°	131123
15°	120648
20°	103132
25°	86816
30°	65616
35°	21804
40°	13864
45°	9420
50°	5507
55°	3290
60°	3626
65°	3998
70°	4580
75°	5576
80°	6606
85°	6652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	12.0
10°-20°	260.6	30.1
20°-30°	291.9	33.7
30°-40°	122.1	14.1
40°-50°	42.4	4.9
50°-60°	15.4	1.8
60°-70°	13.6	1.6
70°-80°	12.1	1.4
80°-90°	5.1	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°	656.1	75.7
0°-40°	778.1	89.8
0°-60°	835.9	96.5
0°-90°	866.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1101	
5°	1105	104
15°	945	261
25°	638	292
35°	145	122
45°	54	42
55°	15	15
65°	14	14
75°	12	12
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1100.6
1°	1099.6
2°	1100.6
3°	1104.0
4°	1106.0
5°	1105.3
6°	1101.3
7°	1092.6
8°	1078.9
9°	1063.6
10°	1046.9
11°	1029.2
12°	1011.2
13°	990.9
14°	969.2
15°	944.8
16°	915.8
17°	885.4
18°	852.7
19°	818.7
20°	785.7
21°	755.0
22°	725.3
23°	695.9
24°	667.2
25°	637.9
26°	612.2
27°	589.5
28°	566.2
29°	523.5
30°	460.7
32.5°	276.2
35°	144.8
37.5°	110.8
40°	86.1
42.5°	67.1
45°	54.0
47.5°	43.4
50°	28.7
52.5°	17.0
55°	15.3
57.5°	15.0
60°	14.7
62.5°	14.3
65°	13.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.0
70°	12.7
72.5°	12.3
75°	11.7
77.5°	10.7
80°	9.3
82.5°	7.3
85°	4.7
87.5°	2.0
90°	0.0

(END OF REPORT)