

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: P220793

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220793
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]-LED3097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 766.5 lumens
Efficiency: N/A
Efficacy: 78.2 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

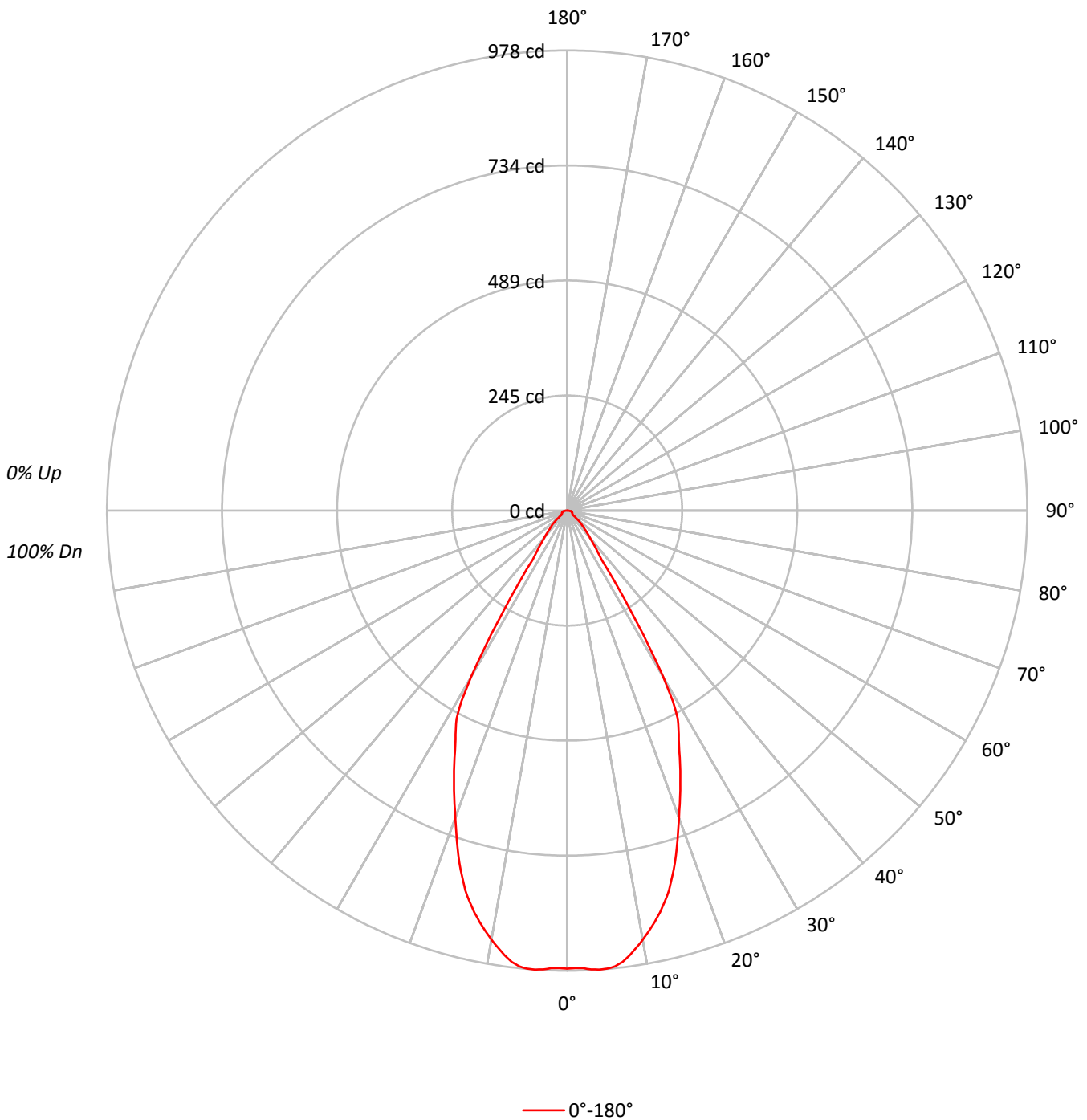
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	120065
5°	121043
10°	115968
15°	106703
20°	91214
25°	76786
30°	58039
35°	19289
40°	12253
45°	8338
50°	4874
55°	2925
60°	3207
65°	3532
70°	4039
75°	4909
80°	5896
85°	5802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	12.0
10°-20°	230.5	30.1
20°-30°	258.2	33.7
30°-40°	108.0	14.1
40°-50°	37.5	4.9
50°-60°	13.6	1.8
60°-70°	12.0	1.6
70°-80°	10.7	1.4
80°-90°	4.5	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°	580.3	75.7
0°-40°	688.2	89.8
0°-60°	739.4	96.5
0°-90°	766.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	766.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	973	
5°	978	92
15°	836	230
25°	564	258
35°	128	108
45°	48	37
55°	14	14
65°	12	12
75°	10	11
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	973.4
1°	972.5
2°	973.4
3°	976.4
4°	978.2
5°	977.6
6°	974.0
7°	966.4
8°	954.3
9°	940.7
10°	925.9
11°	910.3
12°	894.4
13°	876.4
14°	857.2
15°	835.6
16°	810.0
17°	783.1
18°	754.2
19°	724.1
20°	694.9
21°	667.7
22°	641.5
23°	615.5
24°	590.1
25°	564.2
26°	541.5
27°	521.4
28°	500.7
29°	463.0
30°	407.5
32.5°	244.3
35°	128.1
37.5°	98.0
40°	76.1
42.5°	59.3
45°	47.8
47.5°	38.4
50°	25.4
52.5°	15.0
55°	13.6
57.5°	13.3
60°	13.0
62.5°	12.7
65°	12.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.5
70°	11.2
72.5°	10.9
75°	10.3
77.5°	9.4
80°	8.3
82.5°	6.5
85°	4.1
87.5°	1.8
90°	0.0

(END OF REPORT)