

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: P220803

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220803
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]-LED3597-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1605.3 lumens
Efficiency: N/A
Efficacy: 79.9 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

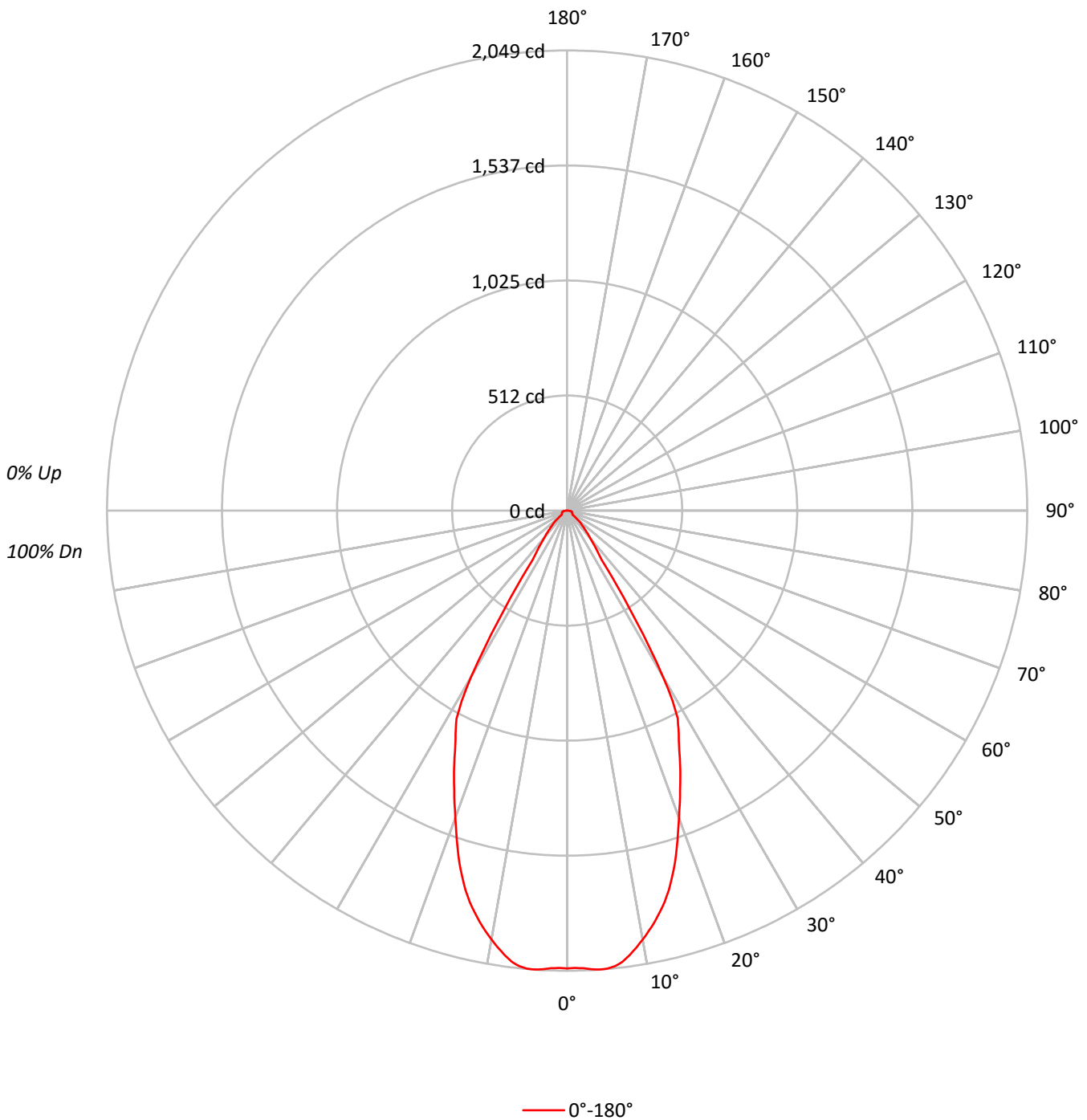
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	251465
5°	253490
10°	242882
15°	223482
20°	191025
25°	160812
30°	121547
35°	40385
40°	25666
45°	17461
50°	10189
55°	6107
60°	6710
65°	7384
70°	8475
75°	10294
80°	12289
85°	12313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	12.0
10°-20°	482.7	30.1
20°-30°	540.7	33.7
30°-40°	226.1	14.1
40°-50°	78.5	4.9
50°-60°	28.5	1.8
60°-70°	25.1	1.6
70°-80°	22.4	1.4
80°-90°	9.4	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°	1215.3	75.7
0°-40°	1441.4	89.8
0°-60°	1548.4	96.5
0°-90°	1605.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2039	
5°	2047	192
15°	1750	483
25°	1182	541
35°	268	226
45°	100	78
55°	28	29
65°	25	25
75°	22	22
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2038.7
1°	2036.8
2°	2038.7
3°	2044.9
4°	2048.6
5°	2047.3
6°	2039.9
7°	2023.9
8°	1998.5
9°	1970.1
10°	1939.2
11°	1906.4
12°	1873.1
13°	1835.4
14°	1795.2
15°	1750.1
16°	1696.3
17°	1640.1
18°	1579.5
19°	1516.5
20°	1455.3
21°	1398.5
22°	1343.5
23°	1289.1
24°	1235.9
25°	1181.6
26°	1134.0
27°	1092.0
28°	1048.7
29°	969.6
30°	853.4
32.5°	511.7
35°	268.2
37.5°	205.2
40°	159.4
42.5°	124.2
45°	100.1
47.5°	80.3
50°	53.1
52.5°	31.5
55°	28.4
57.5°	27.8
60°	27.2
62.5°	26.6
65°	25.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.1
70°	23.5
72.5°	22.9
75°	21.6
77.5°	19.8
80°	17.3
82.5°	13.6
85°	8.7
87.5°	3.7
90°	0.0

(END OF REPORT)