

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: P220811

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220811
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-L3-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: 2079.7 lumens
Efficiency: N/A
Efficacy: 73.0 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

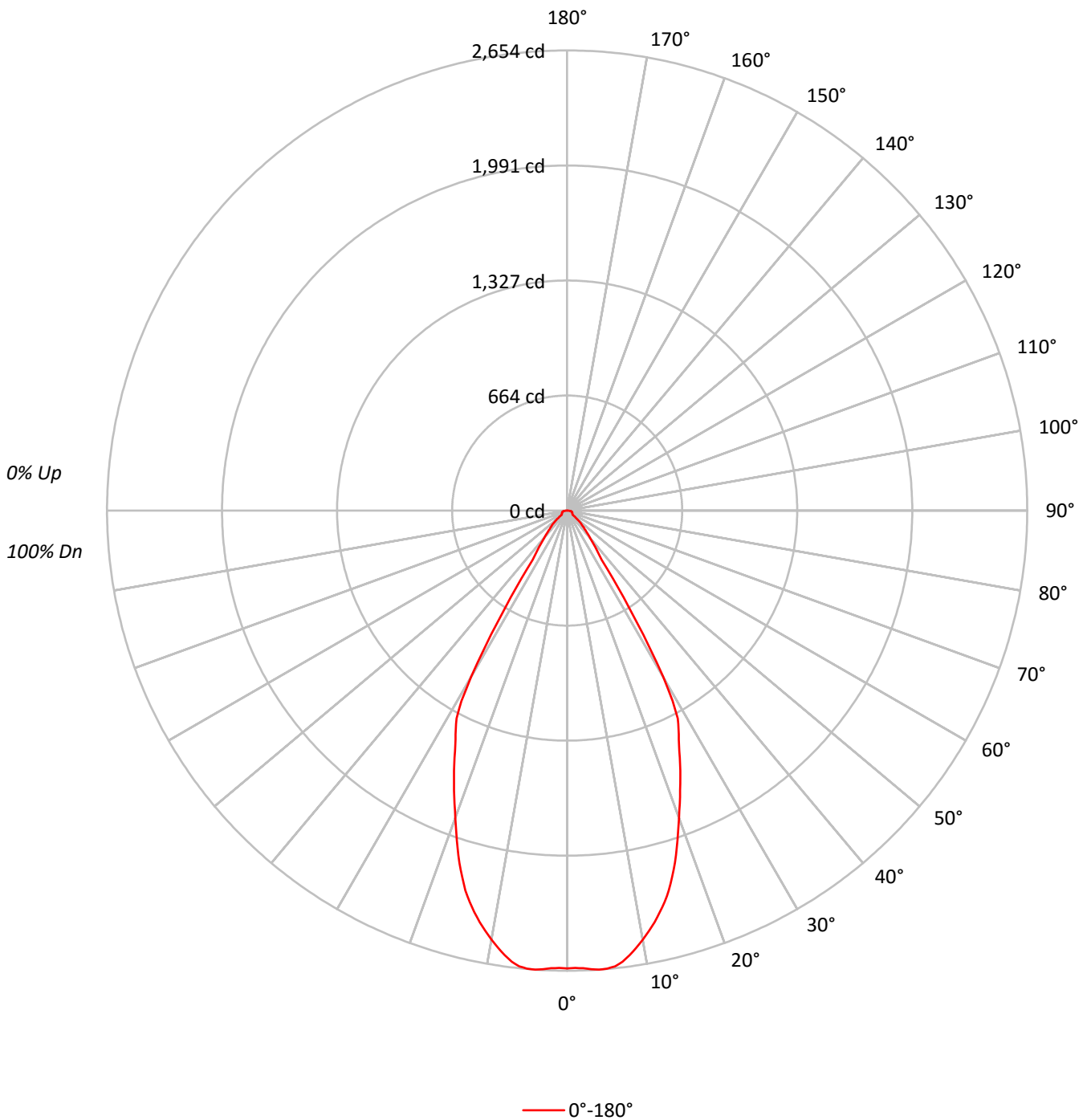
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	325780
5°	328412
10°	314662
15°	289527
20°	247494
25°	208337
30°	157482
35°	52326
40°	33266
45°	22624
50°	13221
55°	7914
60°	8684
65°	9573
70°	10963
75°	13344
80°	15911
85°	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	12.0
10°-20°	625.4	30.1
20°-30°	700.4	33.7
30°-40°	292.9	14.1
40°-50°	101.7	4.9
50°-60°	36.9	1.8
60°-70°	32.5	1.6
70°-80°	29.0	1.4
80°-90°	12.2	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°	1574.4	75.7
0°-40°	1867.4	89.8
0°-60°	2006.1	96.5
0°-90°	2079.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2641	
5°	2652	249
15°	2267	625
25°	1531	700
35°	348	293
45°	130	102
55°	37	37
65°	33	33
75°	28	29
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2641.2
1°	2638.8
2°	2641.2
3°	2649.2
4°	2654.0
5°	2652.4
6°	2642.8
7°	2622.0
8°	2589.2
9°	2552.4
10°	2512.3
11°	2469.9
12°	2426.7
13°	2377.8
14°	2325.8
15°	2267.3
16°	2197.7
17°	2124.8
18°	2046.4
19°	1964.7
20°	1885.5
21°	1811.8
22°	1740.5
23°	1670.1
24°	1601.2
25°	1530.8
26°	1469.1
27°	1414.7
28°	1358.6
29°	1256.2
30°	1105.7
32.5°	662.9
35°	347.5
37.5°	265.8
40°	206.6
42.5°	160.9
45°	129.7
47.5°	104.1
50°	68.9
52.5°	40.8
55°	36.8
57.5°	36.0
60°	35.2
62.5°	34.4
65°	32.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	31.2
70°	30.4
72.5°	29.6
75°	28.0
77.5°	25.6
80°	22.4
82.5°	17.6
85°	11.2
87.5°	4.8
90°	0.0

(END OF REPORT)