

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: P220807

Luminaire Tested: **9004-W1-[RW, RI]-LED3590-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220807
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]-LED3590-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2099.8 lumens
Efficiency: N/A
Efficacy: 73.7 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

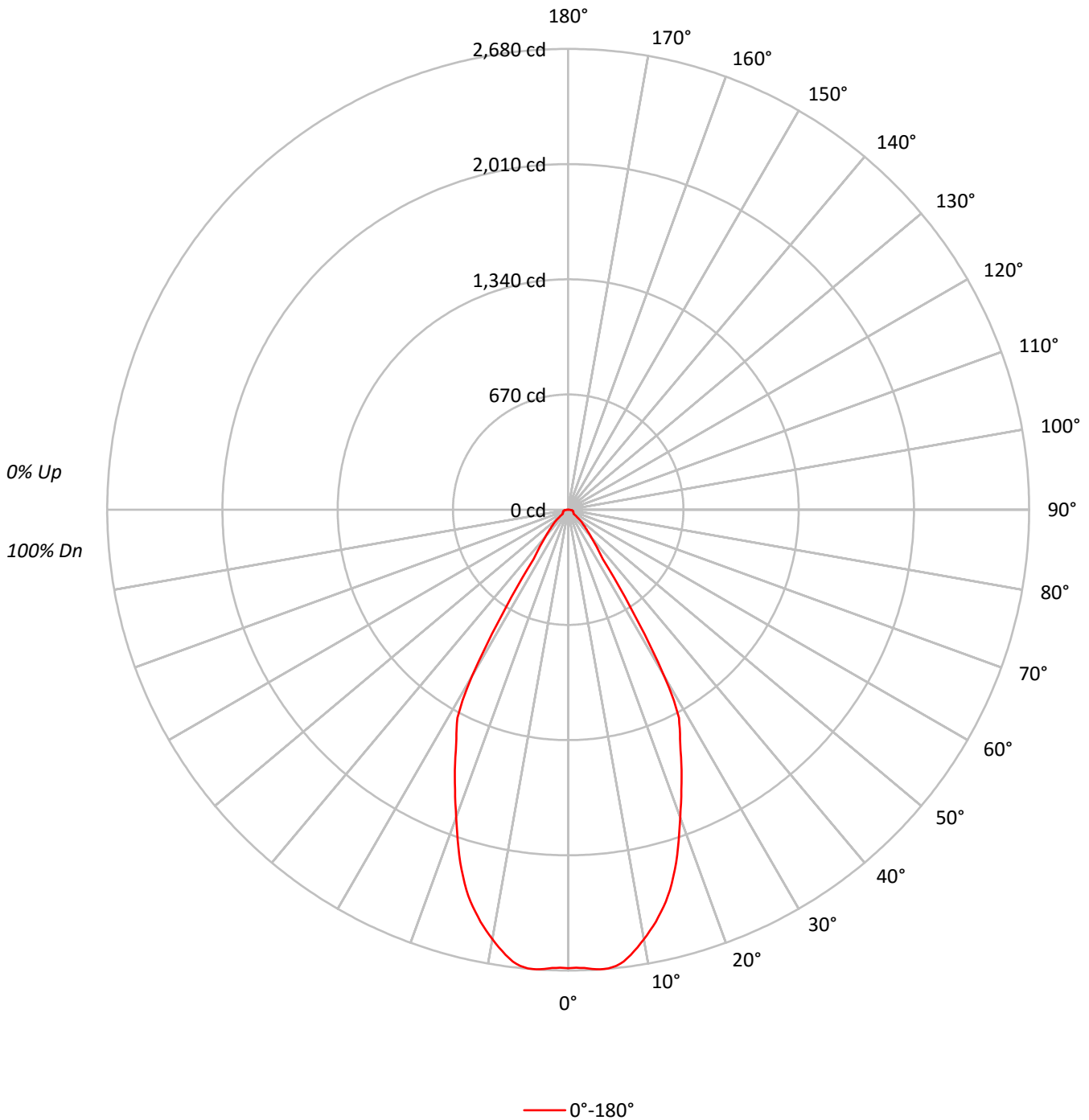
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	328926
5°	331581
10°	317693
15°	292323
20°	249870
25°	210338
30°	158992
35°	52822
40°	33572
45°	22834
50°	13336
55°	8000
60°	8782
65°	9661
70°	11072
75°	13487
80°	16053
85°	15992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	12.0
10°-20°	631.4	30.1
20°-30°	707.2	33.7
30°-40°	295.7	14.1
40°-50°	102.7	4.9
50°-60°	37.3	1.8
60°-70°	32.9	1.6
70°-80°	29.3	1.4
80°-90°	12.3	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°	1589.6	75.7
0°-40°	1885.4	89.8
0°-60°	2025.4	96.5
0°-90°	2099.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2667	
5°	2678	251
15°	2289	631
25°	1546	707
35°	351	296
45°	131	103
55°	37	37
65°	33	33
75°	28	29
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2666.7
1°	2664.2
2°	2666.7
3°	2674.8
4°	2679.6
5°	2678.0
6°	2668.3
7°	2647.3
8°	2614.1
9°	2576.9
10°	2536.5
11°	2493.7
12°	2450.0
13°	2400.7
14°	2348.2
15°	2289.2
16°	2218.9
17°	2145.3
18°	2066.1
19°	1983.6
20°	1903.6
21°	1829.2
22°	1757.3
23°	1686.2
24°	1616.7
25°	1545.5
26°	1483.3
27°	1428.3
28°	1371.7
29°	1268.3
30°	1116.3
32.5°	669.3
35°	350.8
37.5°	268.4
40°	208.5
42.5°	162.5
45°	130.9
47.5°	105.1
50°	69.5
52.5°	41.2
55°	37.2
57.5°	36.4
60°	35.6
62.5°	34.8
65°	33.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	31.5
70°	30.7
72.5°	29.9
75°	28.3
77.5°	25.9
80°	22.6
82.5°	17.8
85°	11.3
87.5°	4.8
90°	0.0

(END OF REPORT)