

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: P220733

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)
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-S-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2114.5 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

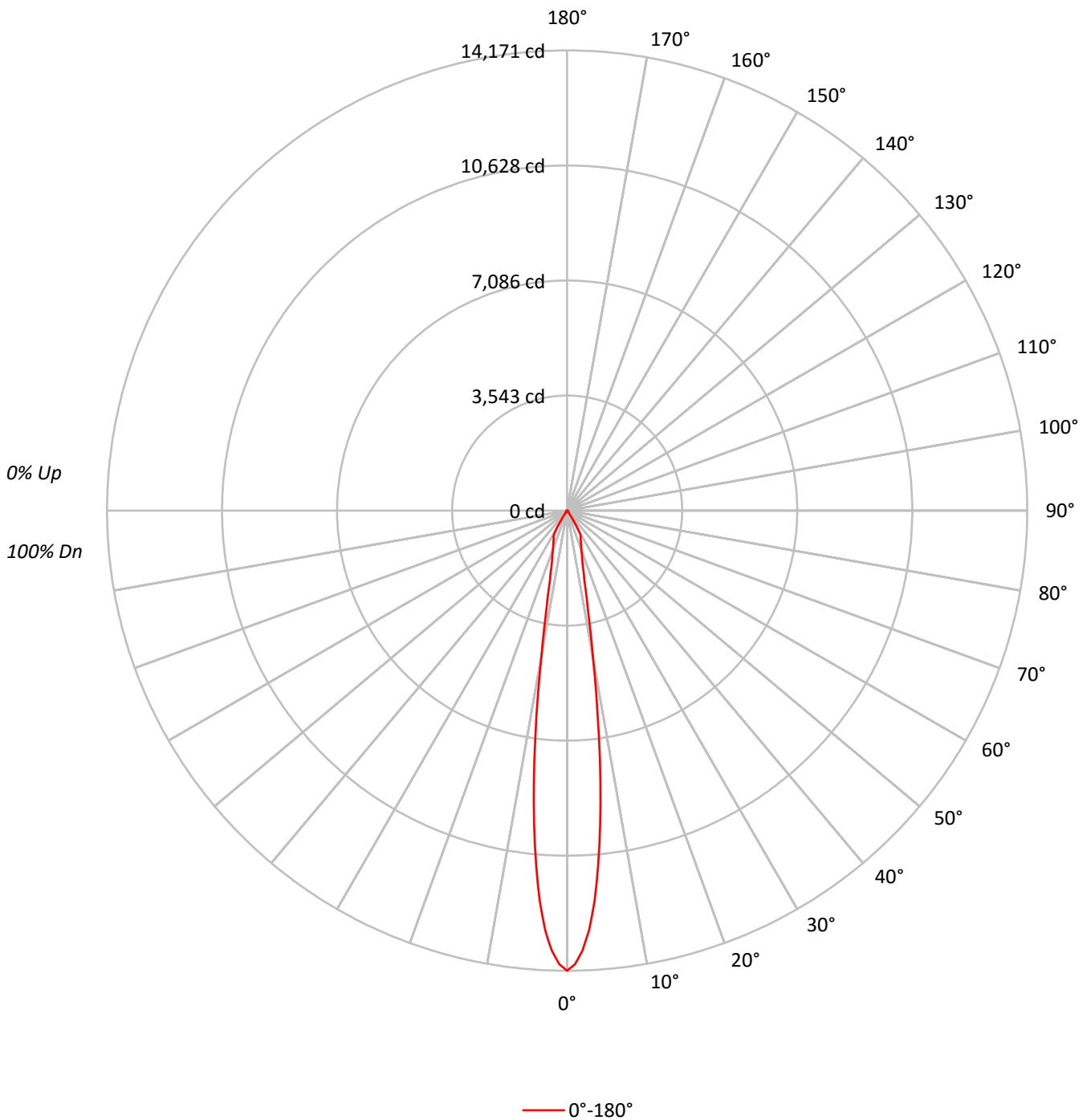
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1747919
5°	1358270
10°	575579
15°	246084
20°	168041
25°	133919
30°	100112
35°	13266
40°	7085
45°	5163
50°	5526
55°	6021
60°	6710
65°	7705
70°	8944
75°	10675
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.8	39.1
10°-20°	593.2	28.1
20°-30°	457.8	21.6
30°-40°	126.8	6.0
40°-50°	24.6	1.2
50°-60°	25.1	1.2
60°-70°	26.1	1.2
70°-80°	23.4	1.1
80°-90°	9.8	0.5
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°	1878.8	88.9
0°-40°	2005.6	94.8
0°-60°	2055.3	97.2
0°-90°	2114.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2114.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14171	
5°	10970	828
15°	1927	593
25°	984	458
35°	88	127
45°	30	25
55°	28	25
65°	26	26
75°	22	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14170.9
1°	13972.3
2°	13560.8
3°	12935.5
4°	12066.1
5°	10970.0
6°	9732.3
7°	8425.7
8°	7011.0
9°	5728.4
10°	4595.5
11°	3702.8
12°	3025.5
13°	2535.5
14°	2188.9
15°	1927.1
16°	1732.5
17°	1586.8
18°	1472.3
19°	1372.3
20°	1280.2
22.5°	1108.9
25°	984.0
26°	951.9
27°	924.7
28°	891.9
29°	820.6
30°	702.9
32.5°	337.9
35°	88.1
37.5°	56.8
40°	44.0
42.5°	32.8
45°	29.6
47.5°	28.8
50°	28.8
52.5°	28.0
55°	28.0
57.5°	28.0
60°	27.2
62.5°	27.2
65°	26.4
67.5°	25.6
70°	24.8
72.5°	24.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	22.4
77.5°	20.8
80°	17.6
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)