

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: P220785

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2160.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

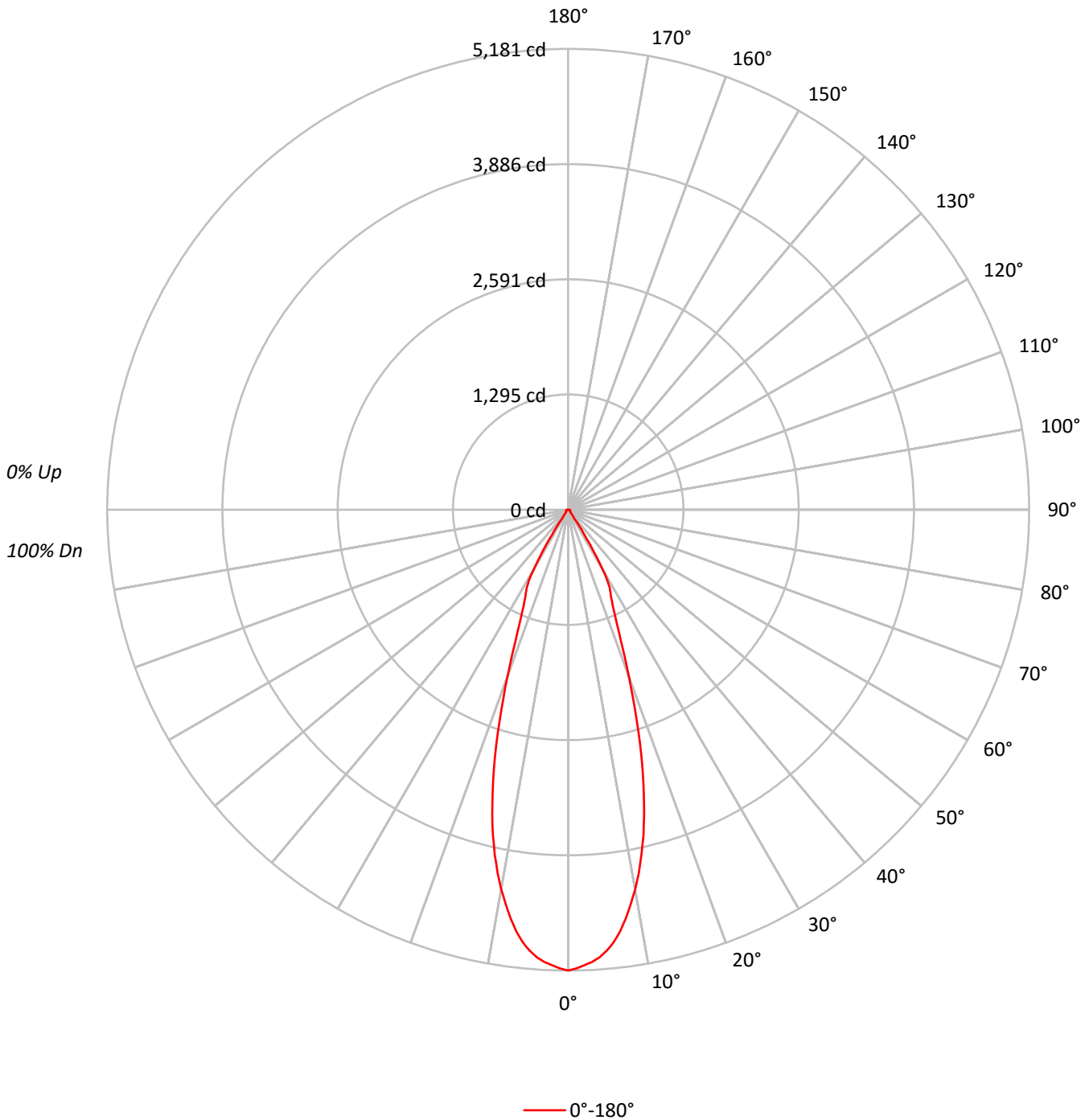
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	639029
5°	616187
10°	542589
15°	418960
20°	261565
25°	161043
30°	110381
35°	17362
40°	7858
45°	5303
50°	5526
55°	6021
60°	6710
65°	7472
70°	8655
75°	10675
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.3	21.0
10°-20°	881.0	40.8
20°-30°	570.5	26.4
30°-40°	146.8	6.8
40°-50°	25.0	1.2
50°-60°	25.3	1.2
60°-70°	25.4	1.2
70°-80°	22.8	1.1
80°-90°	9.6	0.4
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°	1905.9	88.2
0°-40°	2052.6	95.0
0°-60°	2103.0	97.3
0°-90°	2160.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5181	
5°	4977	454
15°	3281	881
25°	1183	571
35°	115	147
45°	30	25
55°	28	25
65°	26	25
75°	22	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5180.8
1°	5157.6
2°	5127.1
3°	5091.1
4°	5044.7
5°	4976.6
6°	4890.2
7°	4777.3
8°	4642.0
9°	4491.5
10°	4332.1
11°	4157.6
12°	3965.5
13°	3757.3
14°	3529.1
15°	3280.9
16°	3024.7
17°	2761.3
18°	2497.1
19°	2236.9
20°	1992.7
21°	1769.4
22°	1574.8
23°	1410.7
24°	1281.8
25°	1183.3
26°	1105.7
27°	1045.6
28°	995.2
29°	907.1
30°	775.0
32.5°	387.5
35°	115.3
37.5°	73.7
40°	48.8
42.5°	31.2
45°	30.4
47.5°	29.6
50°	28.8
52.5°	28.8
55°	28.0
57.5°	28.0
60°	27.2
62.5°	26.4
65°	25.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.8
70°	24.0
72.5°	23.2
75°	22.4
77.5°	20.0
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)