

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: P220777

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220777  
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-L2-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: 1667.9 lumens  
Efficiency: N/A  
Efficacy: 83.0 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

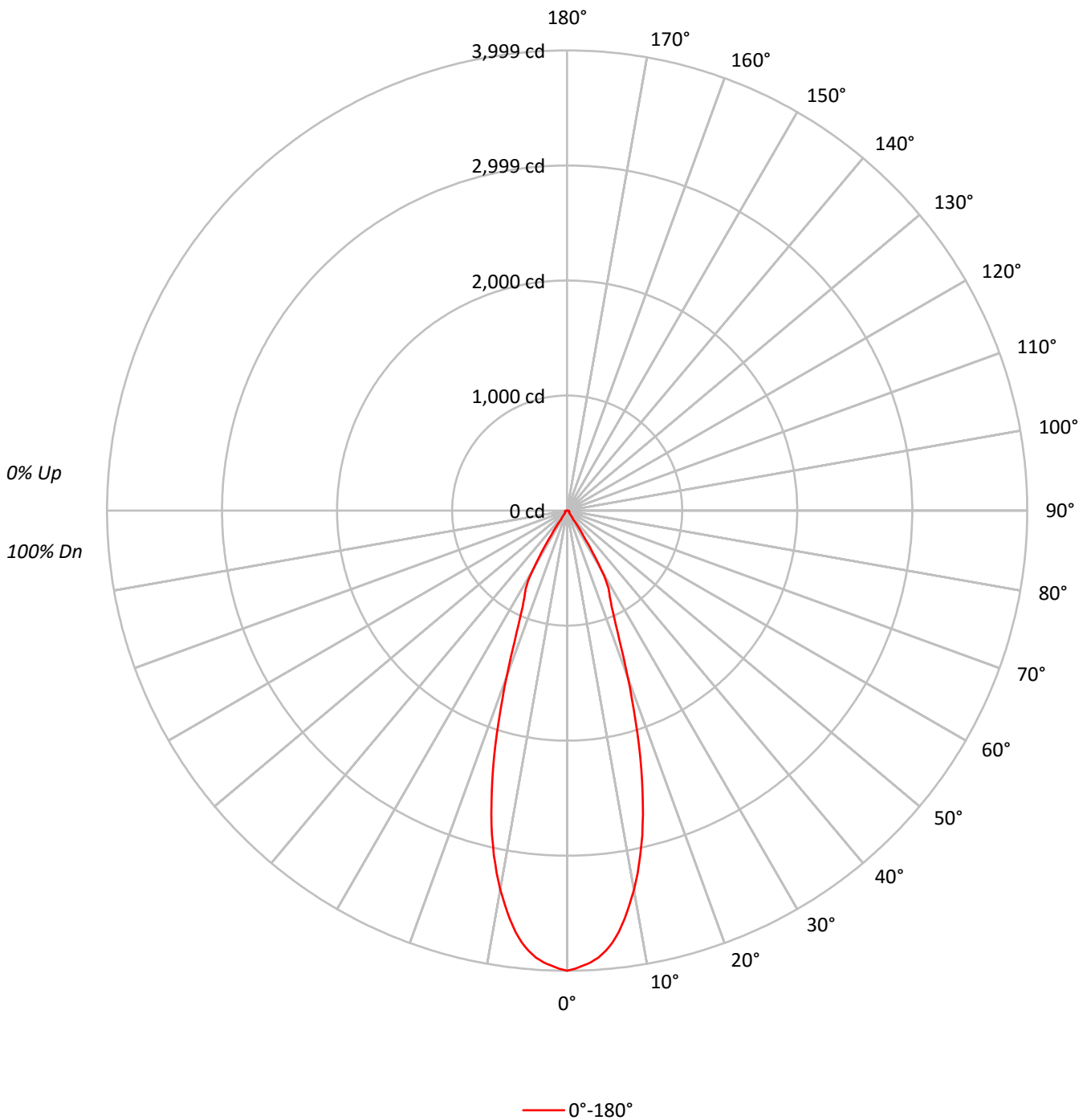
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	493247
5°	475617
10°	418818
15°	323392
20°	201894
25°	124311
30°	85200
35°	13401
40°	6070
45°	4099
50°	4260
55°	4645
60°	5181
65°	5779
70°	6672
75°	8245
80°	9660
85°	9624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.7	21.0
10°-20°	680.0	40.8
20°-30°	440.4	26.4
30°-40°	113.3	6.8
40°-50°	19.3	1.2
50°-60°	19.5	1.2
60°-70°	19.6	1.2
70°-80°	17.6	1.1
80°-90°	7.4	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°	1471.1	88.2
0°-40°	1584.4	95.0
0°-60°	1623.2	97.3
0°-90°	1667.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1667.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3999	
5°	3841	351
15°	2532	680
25°	913	440
35°	89	113
45°	24	19
55°	22	20
65°	20	20
75°	17	18
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3998.9
1°	3981.0
2°	3957.5
3°	3929.7
4°	3893.9
5°	3841.3
6°	3774.6
7°	3687.4
8°	3583.0
9°	3466.8
10°	3343.9
11°	3209.1
12°	3060.8
13°	2900.2
14°	2724.0
15°	2532.5
16°	2334.7
17°	2131.4
18°	1927.5
19°	1726.6
20°	1538.1
21°	1365.7
22°	1215.6
23°	1088.9
24°	989.4
25°	913.4
26°	853.4
27°	807.1
28°	768.1
29°	700.2
30°	598.2
32.5°	299.1
35°	89.0
37.5°	56.9
40°	37.7
42.5°	24.1
45°	23.5
47.5°	22.9
50°	22.2
52.5°	22.2
55°	21.6
57.5°	21.6
60°	21.0
62.5°	20.4
65°	19.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	19.2
70°	18.5
72.5°	17.9
75°	17.3
77.5°	15.4
80°	13.6
82.5°	10.5
85°	6.8
87.5°	3.1
90°	0.0

(END OF REPORT)