

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: P220725

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220725  
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-L2-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: 1632.2 lumens  
Efficiency: N/A  
Efficacy: 81.2 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

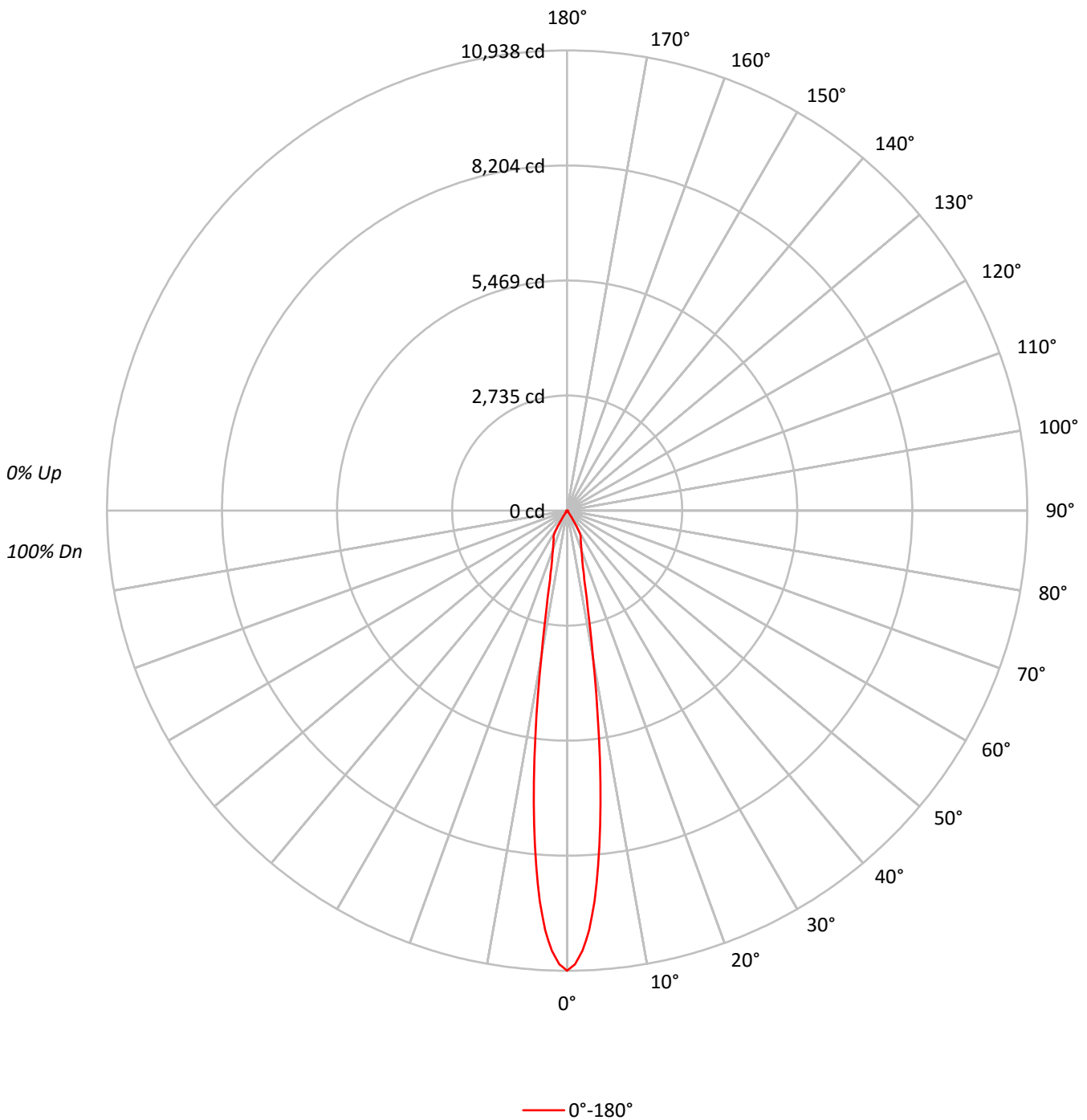
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	96	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	88	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°	1349167
5°	1048419
10°	444281
15°	189949
20°	129700
25°	103366
30°	77281
35°	10239
40°	5475
45°	3995
50°	4260
55°	4645
60°	5181
65°	5954
70°	6924
75°	8245
80°	9660
85°	9624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	639.0	39.1
10°-20°	457.9	28.1
20°-30°	353.3	21.6
30°-40°	97.9	6.0
40°-50°	19.0	1.2
50°-60°	19.4	1.2
60°-70°	20.2	1.2
70°-80°	18.0	1.1
80°-90°	7.6	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°	1450.2	88.8
0°-40°	1548.1	94.8
0°-60°	1586.4	97.2
0°-90°	1632.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10938	
5°	8468	639
15°	1488	458
25°	760	353
35°	68	98
45°	23	19
55°	22	19
65°	20	20
75°	17	18
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10938.1
1°	10784.9
2°	10467.2
3°	9984.6
4°	9313.5
5°	8467.5
6°	7512.1
7°	6503.5
8°	5411.6
9°	4421.6
10°	3547.2
11°	2858.1
12°	2335.3
13°	1957.1
14°	1689.5
15°	1487.5
16°	1337.3
17°	1224.8
18°	1136.5
19°	1059.2
20°	988.1
22.5°	855.9
25°	759.5
26°	734.8
27°	713.8
28°	688.4
29°	633.4
30°	542.6
32.5°	260.8
35°	68.0
37.5°	43.9
40°	34.0
42.5°	25.3
45°	22.9
47.5°	22.2
50°	22.2
52.5°	21.6
55°	21.6
57.5°	21.6
60°	21.0
62.5°	21.0
65°	20.4
67.5°	19.8
70°	19.2
72.5°	18.5



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	17.3
77.5°	16.1
80°	13.6
82.5°	11.1
85°	6.8
87.5°	3.1
90°	0.0

(END OF REPORT)