

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: P220327

Luminaire Tested: **9002-W1-[RW, RI]-LED3597-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3597-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 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: 845.7 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

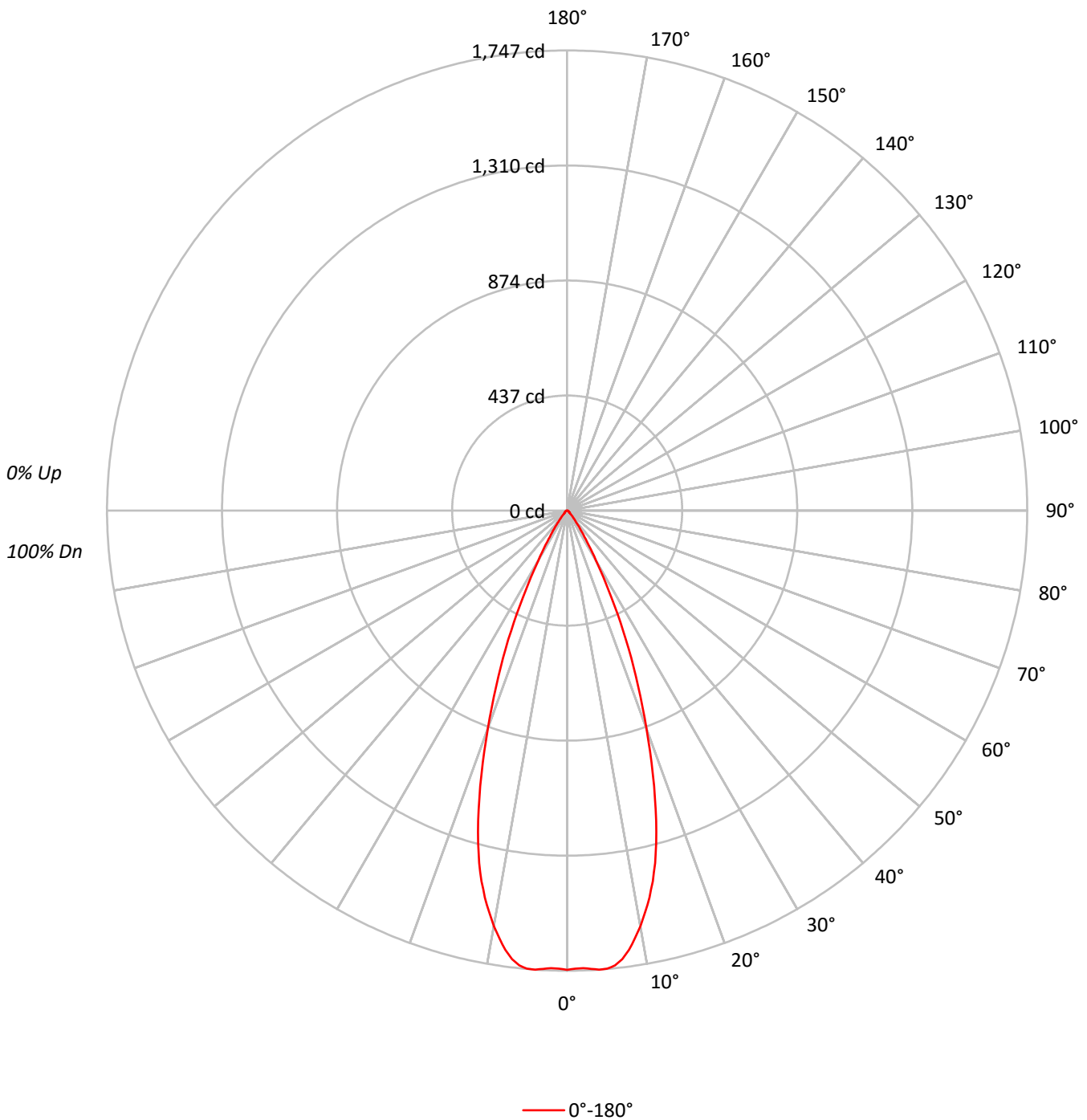
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	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	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	860306
5°	864781
10°	802337
15°	667799
20°	461618
25°	273825
30°	124082
35°	55292
40°	25118
45°	13048
50°	8750
55°	8430
60°	7993
65°	7588
70°	8223
75°	9341
80°	9376
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	19.2
10°-20°	352.0	41.6
20°-30°	230.0	27.2
30°-40°	63.6	7.5
40°-50°	16.1	1.9
50°-60°	8.6	1.0
60°-70°	6.7	0.8
70°-80°	4.9	0.6
80°-90°	1.8	0.2
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°	744.1	88.0
0°-40°	807.7	95.5
0°-60°	832.4	98.4
0°-90°	845.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1744	
5°	1746	162
15°	1307	352
25°	503	230
35°	92	64
45°	19	16
55°	10	9
65°	6	7
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1743.7
1°	1739.6
2°	1738.0
3°	1742.1
4°	1746.9
5°	1746.1
6°	1736.4
7°	1716.1
8°	1684.4
9°	1644.6
10°	1601.5
11°	1553.6
12°	1501.6
13°	1444.7
14°	1379.7
15°	1307.4
16°	1226.1
17°	1140.8
18°	1053.0
19°	966.1
20°	879.2
22.5°	680.9
25°	503.0
26°	437.1
27°	371.3
28°	312.8
29°	260.0
30°	217.8
32.5°	138.9
35°	91.8
37.5°	59.3
40°	39.0
42.5°	26.8
45°	18.7
47.5°	13.8
50°	11.4
52.5°	9.8
55°	9.8
57.5°	8.9
60°	8.1
62.5°	7.3
65°	6.5
67.5°	6.5
70°	5.7
72.5°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.9
77.5°	4.1
80°	3.3
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)