

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: P220391

Luminaire Tested: **9002-W1-FL-LED3597-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3597-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

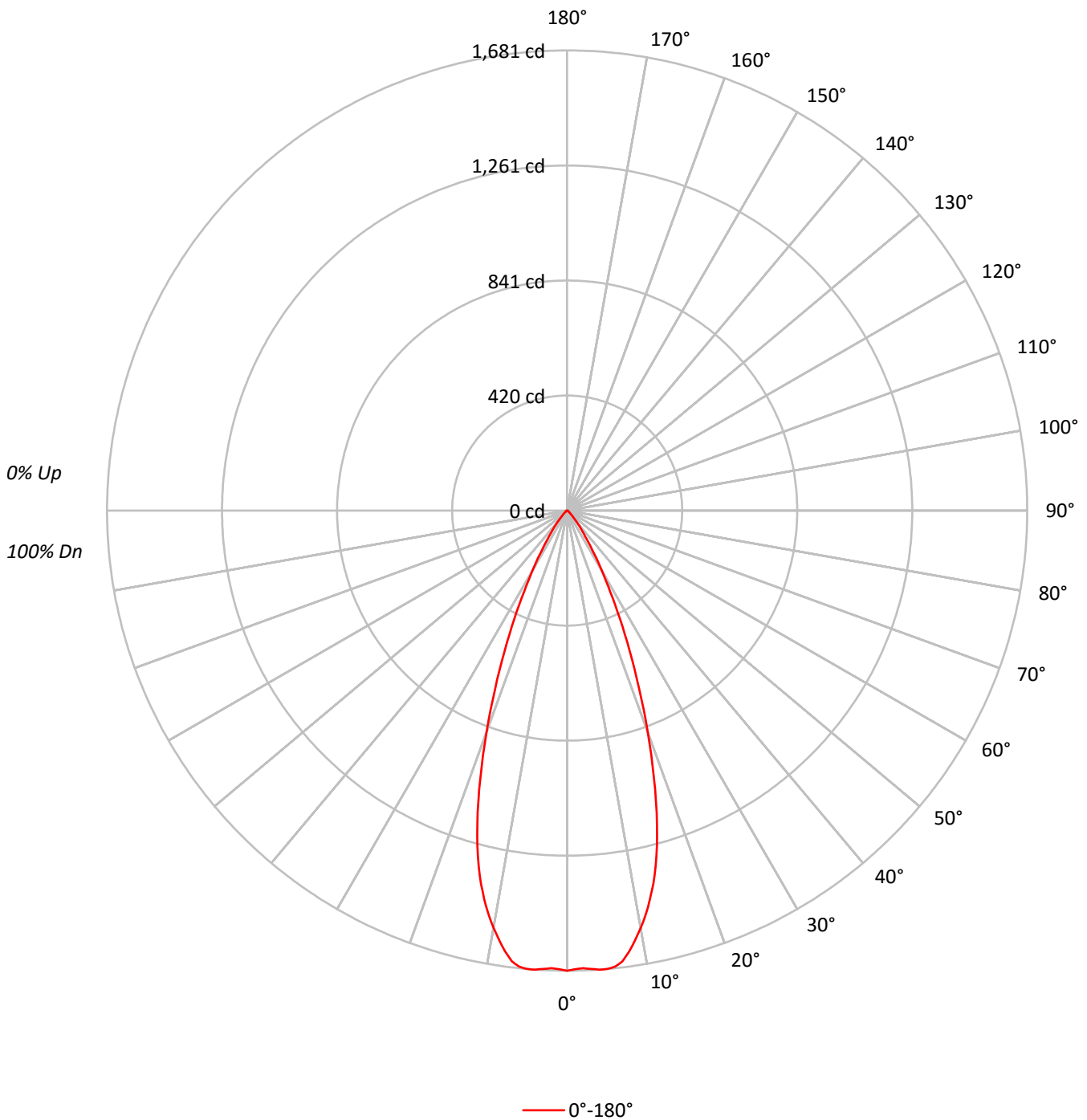
Lumens per Lamp: N/A
Luminaire Lumens: 840.7 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	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	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72	78	74	72	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63	70	66	63	69	65	63	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	829420
5°	832589
10°	775484
15°	647010
20°	451380
25°	271593
30°	143509
35°	69024
40°	32976
45°	15281
50°	8750
55°	5591
60°	4835
65°	4786
70°	4760
75°	4575
80°	4546
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	18.6
10°-20°	341.8	40.7
20°-30°	231.2	27.5
30°-40°	78.3	9.3
40°-50°	19.2	2.3
50°-60°	6.3	0.8
60°-70°	4.3	0.5
70°-80°	2.6	0.3
80°-90°	0.7	0.1
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°	729.4	86.8
0°-40°	807.7	96.1
0°-60°	833.3	99.1
0°-90°	840.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1681	
5°	1681	156
15°	1267	342
25°	499	231
35°	115	78
45°	22	19
55°	6	6
65°	4	4
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1681.1
1°	1675.4
2°	1673.0
3°	1676.3
4°	1681.1
5°	1681.1
6°	1675.4
7°	1658.4
8°	1626.7
9°	1589.3
10°	1547.9
11°	1504.0
12°	1453.6
13°	1399.2
14°	1337.4
15°	1266.7
16°	1191.2
17°	1109.9
18°	1025.4
19°	944.2
20°	859.7
21°	780.8
22°	703.7
23°	630.5
24°	562.3
25°	498.9
26°	439.6
27°	385.1
28°	335.6
29°	291.7
30°	251.9
32.5°	170.6
35°	114.6
37.5°	77.2
40°	51.2
42.5°	32.5
45°	21.9
47.5°	15.4
50°	11.4
52.5°	8.1
55°	6.5
57.5°	5.7
60°	4.9
62.5°	4.9
65°	4.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.1
70°	3.3
72.5°	3.3
75°	2.4
77.5°	1.6
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)