

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: P220455

Luminaire Tested: **9003-W1-[RW, RI]-LED2797-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-[RW, RI]-LED2797-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.7 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

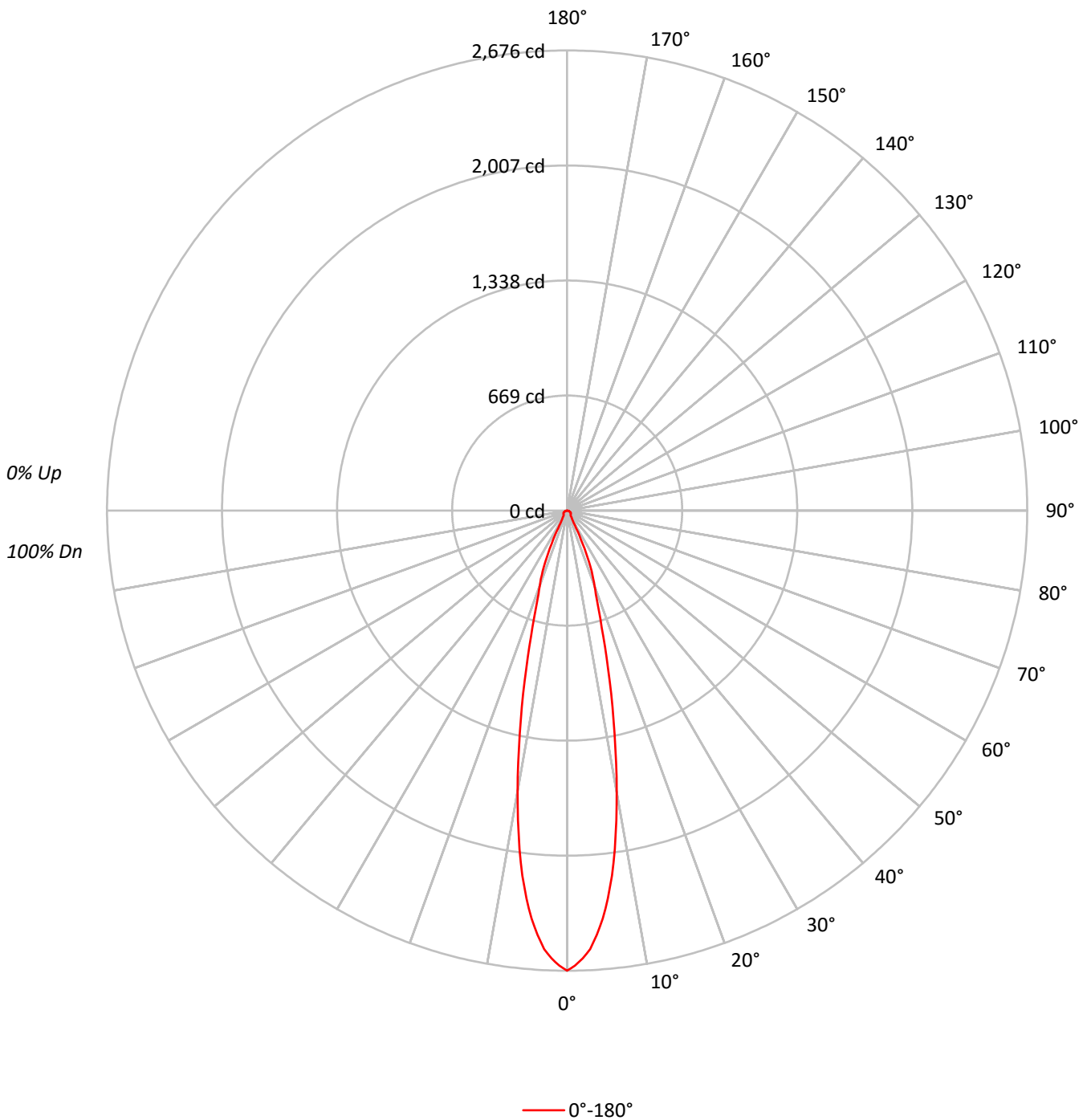
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	586685
5°	524168
10°	369555
15°	200818
20°	108649
25°	51826
30°	14990
35°	9744
40°	8902
45°	9179
50°	9688
55°	10284
60°	10131
65°	9651
70°	8014
75°	7032
80°	8082
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	31.1
10°-20°	249.7	38.1
20°-30°	99.9	15.2
30°-40°	25.0	3.8
40°-50°	23.0	3.5
50°-60°	23.7	3.6
60°-70°	18.0	2.7
70°-80°	9.3	1.4
80°-90°	3.3	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°	553.4	84.4
0°-40°	578.4	88.2
0°-60°	625.1	95.3
0°-90°	655.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2676	
5°	2381	204
15°	885	250
25°	214	100
35°	36	25
45°	30	23
55°	27	24
65°	19	18
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2675.5
1°	2646.0
2°	2606.1
3°	2554.2
4°	2473.0
5°	2381.3
6°	2266.4
7°	2139.0
8°	1988.8
9°	1825.0
10°	1659.7
11°	1491.3
12°	1325.6
13°	1170.9
14°	1021.5
15°	884.6
16°	760.6
17°	659.8
18°	577.5
19°	513.4
20°	465.6
21°	425.4
22°	379.6
23°	326.9
24°	270.0
25°	214.2
26°	160.4
27°	114.5
28°	80.8
29°	65.2
30°	59.2
32.5°	47.4
35°	36.4
37.5°	32.6
40°	31.1
42.5°	30.3
45°	29.6
47.5°	29.2
50°	28.4
52.5°	28.1
55°	26.9
57.5°	25.0
60°	23.1
62.5°	21.2
65°	18.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.2
70°	12.5
72.5°	9.9
75°	8.3
77.5°	7.6
80°	6.4
82.5°	4.6
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)