

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: P220317

Luminaire Tested: **9002-W1-[RW, RI]-LED2797-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
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]-LED2797-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 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: 710.6 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

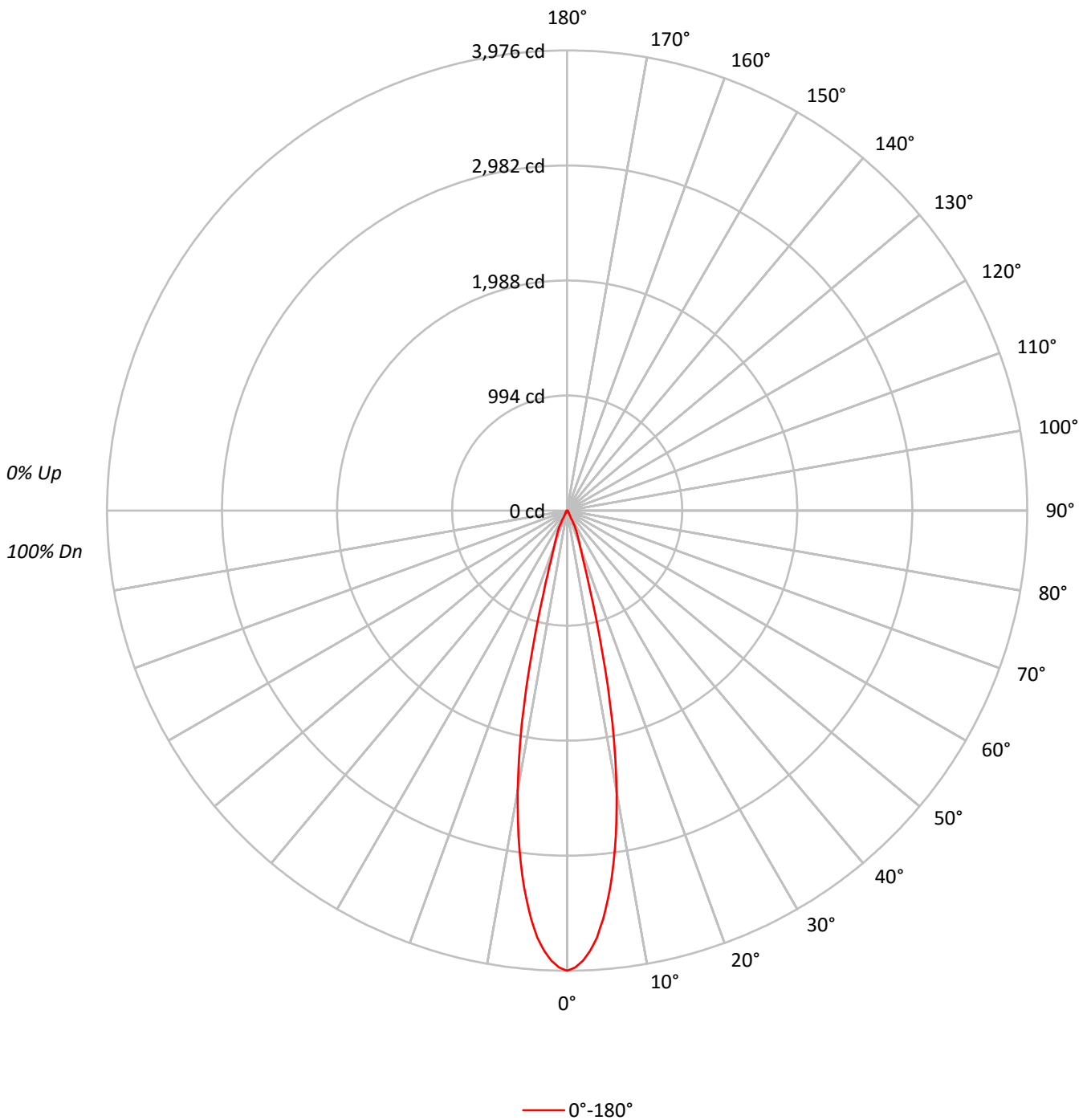
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	82	80	79
9	92	85	82	79	91	85	81	79	84	81	79	84	80	78	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1961430
5°	1757346
10°	1234291
15°	492447
20°	169379
25°	94287
30°	23016
35°	12588
40°	9274
45°	8582
50°	8290
55°	8688
60°	8585
65°	8406
70°	8367
75°	8197
80°	8240
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	42.7
10°-20°	287.8	40.5
20°-30°	72.9	10.3
30°-40°	14.2	2.0
40°-50°	9.5	1.3
50°-60°	9.0	1.3
60°-70°	7.1	1.0
70°-80°	4.8	0.7
80°-90°	1.6	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°	664.4	93.5
0°-40°	678.6	95.5
0°-60°	697.1	98.1
0°-90°	710.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3976	
5°	3548	304
15°	964	288
25°	173	73
35°	21	14
45°	12	10
55°	10	9
65°	7	7
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3975.5
1°	3948.1
2°	3891.1
3°	3808.8
4°	3695.5
5°	3548.3
6°	3375.1
7°	3178.8
8°	2959.4
9°	2719.1
10°	2463.7
11°	2186.6
12°	1879.9
13°	1560.9
14°	1244.1
15°	964.1
16°	739.0
17°	574.4
18°	459.0
19°	378.9
20°	322.6
22.5°	234.5
25°	173.2
26°	139.3
27°	98.1
28°	65.7
29°	49.1
30°	40.4
32.5°	27.4
35°	20.9
37.5°	16.6
40°	14.4
42.5°	13.0
45°	12.3
47.5°	11.5
50°	10.8
52.5°	10.8
55°	10.1
57.5°	9.4
60°	8.7
62.5°	7.9
65°	7.2
67.5°	6.5
70°	5.8
72.5°	5.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.3
77.5°	4.3
80°	2.9
82.5°	2.2
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)