

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: P220801

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
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]-LED2797-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1402.1 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

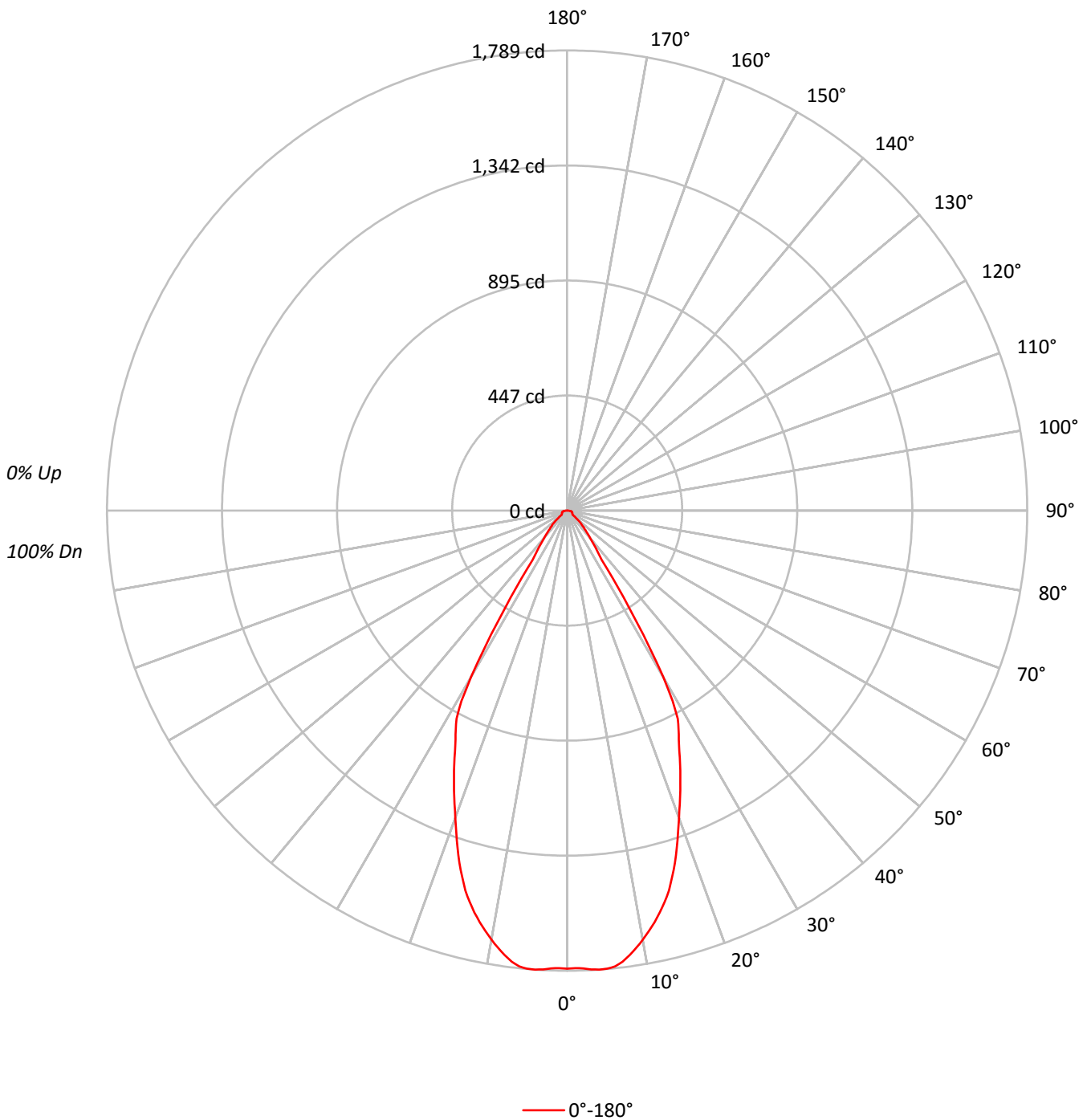
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219629
5°	221397
10°	212133
15°	195185
20°	166847
25°	140452
30°	106165
35°	35265
40°	22430
45°	15246
50°	8904
55°	5333
60°	5847
65°	6450
70°	7393
75°	9007
80°	10726
85°	10756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	12.0
10°-20°	421.6	30.1
20°-30°	472.2	33.7
30°-40°	197.5	14.1
40°-50°	68.6	4.9
50°-60°	24.9	1.8
60°-70°	21.9	1.6
70°-80°	19.6	1.4
80°-90°	8.2	0.6
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°	1061.4	75.7
0°-40°	1258.9	89.8
0°-60°	1352.4	96.5
0°-90°	1402.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1402.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1781	
5°	1788	168
15°	1528	422
25°	1032	472
35°	234	197
45°	87	69
55°	25	25
65°	22	22
75°	19	20
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1780.6
1°	1779.0
2°	1780.6
3°	1786.0
4°	1789.2
5°	1788.1
6°	1781.6
7°	1767.6
8°	1745.5
9°	1720.7
10°	1693.7
11°	1665.1
12°	1635.9
13°	1603.0
14°	1567.9
15°	1528.5
16°	1481.6
17°	1432.4
18°	1379.6
19°	1324.5
20°	1271.1
21°	1221.4
22°	1173.4
23°	1125.9
24°	1079.5
25°	1032.0
26°	990.4
27°	953.7
28°	915.9
29°	846.8
30°	745.4
32.5°	446.9
35°	234.2
37.5°	179.2
40°	139.3
42.5°	108.5
45°	87.4
47.5°	70.2
50°	46.4
52.5°	27.5
55°	24.8
57.5°	24.3
60°	23.7
62.5°	23.2
65°	22.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.0
70°	20.5
72.5°	20.0
75°	18.9
77.5°	17.3
80°	15.1
82.5°	11.9
85°	7.6
87.5°	3.2
90°	0.0

(END OF REPORT)