

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: P220796

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220796
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]-LED2790-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1512.7 lumens
Efficiency: N/A
Efficacy: 75.3 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

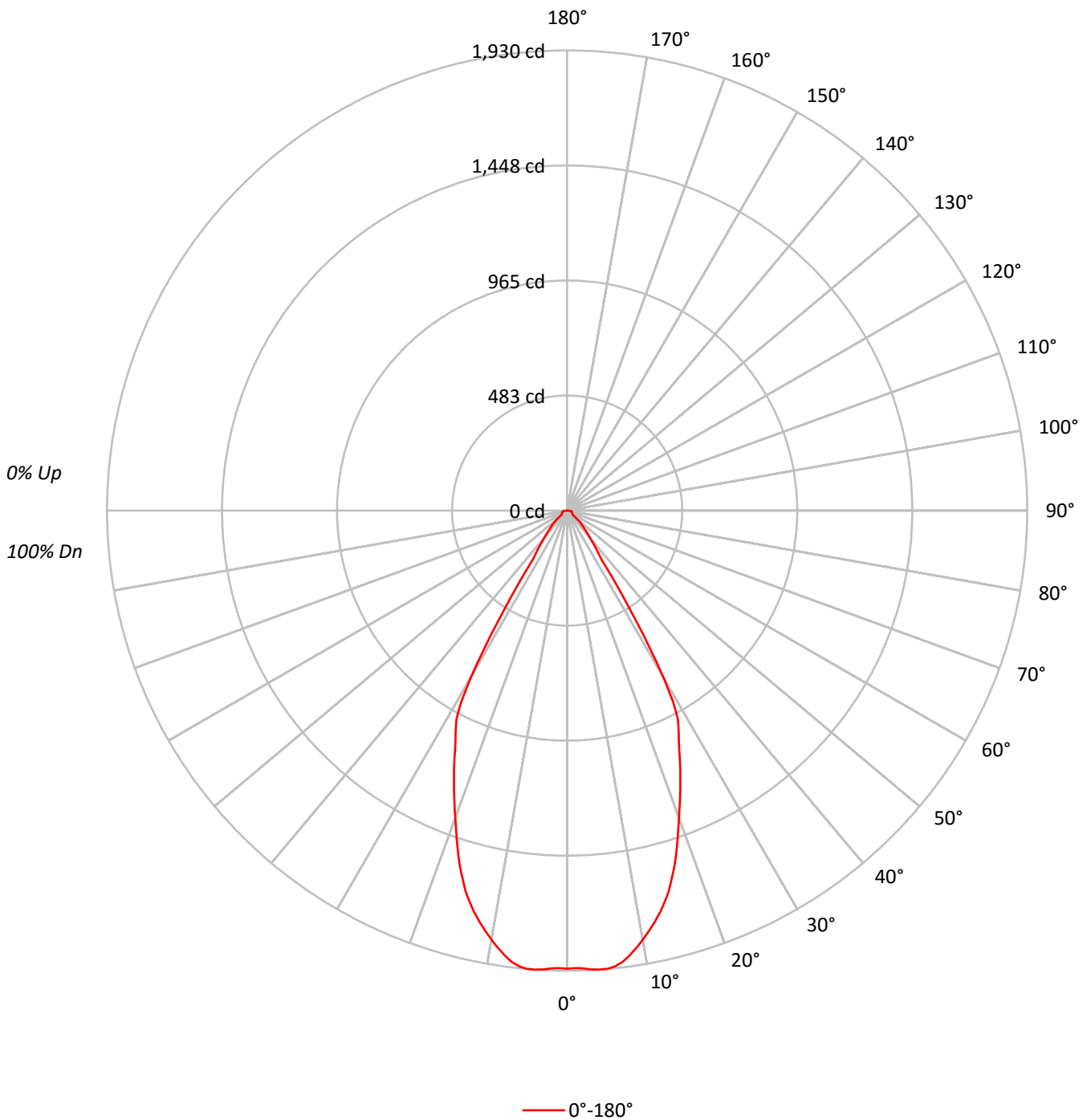
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	236959
5°	238880
10°	228879
15°	210598
20°	180012
25°	151530
30°	114540
35°	38051
40°	24185
45°	16449
50°	9614
55°	5763
60°	6315
65°	6975
70°	7970
75°	9722
80°	11578
85°	11605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	12.0
10°-20°	454.9	30.1
20°-30°	509.5	33.7
30°-40°	213.1	14.1
40°-50°	74.0	4.9
50°-60°	26.9	1.8
60°-70°	23.7	1.6
70°-80°	21.1	1.4
80°-90°	8.9	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°	1145.2	75.7
0°-40°	1358.2	89.8
0°-60°	1459.1	96.5
0°-90°	1512.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1512.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1921	
5°	1929	181
15°	1649	455
25°	1113	509
35°	253	213
45°	94	74
55°	27	27
65°	24	24
75°	20	21
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1921.1
1°	1919.4
2°	1921.1
3°	1926.9
4°	1930.4
5°	1929.3
6°	1922.3
7°	1907.1
8°	1883.3
9°	1856.5
10°	1827.4
11°	1796.5
12°	1765.0
13°	1729.5
14°	1691.7
15°	1649.2
16°	1598.5
17°	1545.5
18°	1488.4
19°	1429.0
20°	1371.4
21°	1317.8
22°	1266.0
23°	1214.7
24°	1164.7
25°	1113.4
26°	1068.6
27°	1029.0
28°	988.2
29°	913.7
30°	804.2
32.5°	482.2
35°	252.7
37.5°	193.3
40°	150.2
42.5°	117.0
45°	94.3
47.5°	75.7
50°	50.1
52.5°	29.7
55°	26.8
57.5°	26.2
60°	25.6
62.5°	25.0
65°	23.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	22.7
70°	22.1
72.5°	21.5
75°	20.4
77.5°	18.6
80°	16.3
82.5°	12.8
85°	8.2
87.5°	3.5
90°	0.0

(END OF REPORT)