

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: P220791

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220791
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]-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1128.2 lumens
Efficiency: N/A
Efficacy: 115.1 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

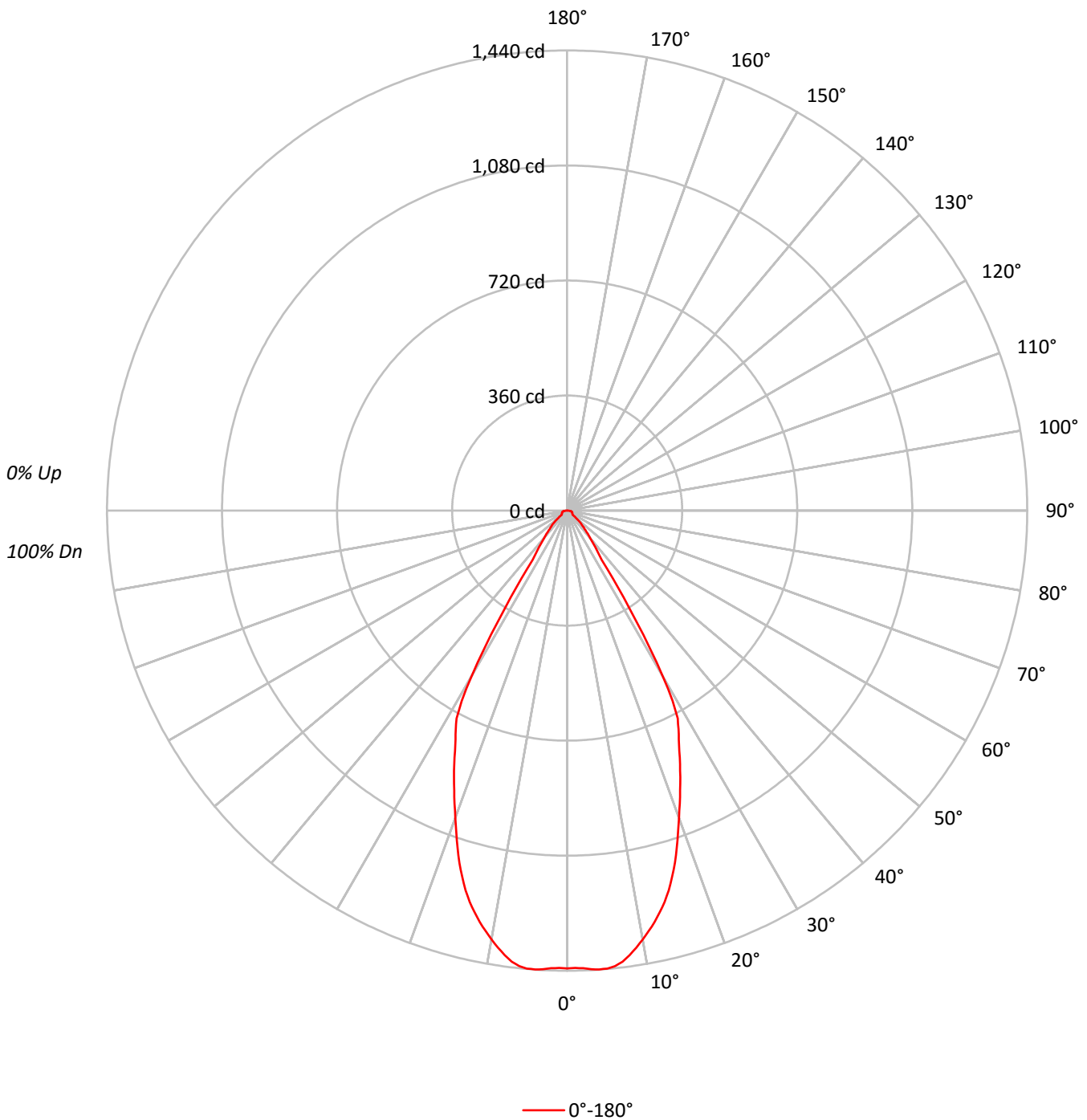
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	176717
5°	178148
10°	170689
15°	157054
20°	134241
25°	113001
30°	85414
35°	28384
40°	18034
45°	12280
50°	7158
55°	4301
60°	4712
65°	5195
70°	5951
75°	7244
80°	8666
85°	8633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	12.0
10°-20°	339.2	30.1
20°-30°	379.9	33.7
30°-40°	158.9	14.1
40°-50°	55.2	4.9
50°-60°	20.0	1.8
60°-70°	17.6	1.6
70°-80°	15.7	1.4
80°-90°	6.6	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°	854.0	75.7
0°-40°	1012.9	89.8
0°-60°	1088.1	96.5
0°-90°	1128.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1433	
5°	1439	135
15°	1230	339
25°	830	380
35°	188	159
45°	70	55
55°	20	20
65°	18	18
75°	15	16
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1432.7
1°	1431.4
2°	1432.7
3°	1437.0
4°	1439.6
5°	1438.8
6°	1433.5
7°	1422.2
8°	1404.4
9°	1384.5
10°	1362.8
11°	1339.7
12°	1316.3
13°	1289.8
14°	1261.6
15°	1229.9
16°	1192.1
17°	1152.6
18°	1110.0
19°	1065.7
20°	1022.7
21°	982.8
22°	944.1
23°	905.9
24°	868.5
25°	830.3
26°	796.9
27°	767.4
28°	737.0
29°	681.4
30°	599.7
32.5°	359.6
35°	188.5
37.5°	144.2
40°	112.0
42.5°	87.3
45°	70.4
47.5°	56.5
50°	37.3
52.5°	22.1
55°	20.0
57.5°	19.5
60°	19.1
62.5°	18.7
65°	17.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.9
70°	16.5
72.5°	16.1
75°	15.2
77.5°	13.9
80°	12.2
82.5°	9.6
85°	6.1
87.5°	2.6
90°	0.0

(END OF REPORT)