

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: P221116

Luminaire Tested: **9004-W1-FL-LED2797-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED2797-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1505.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

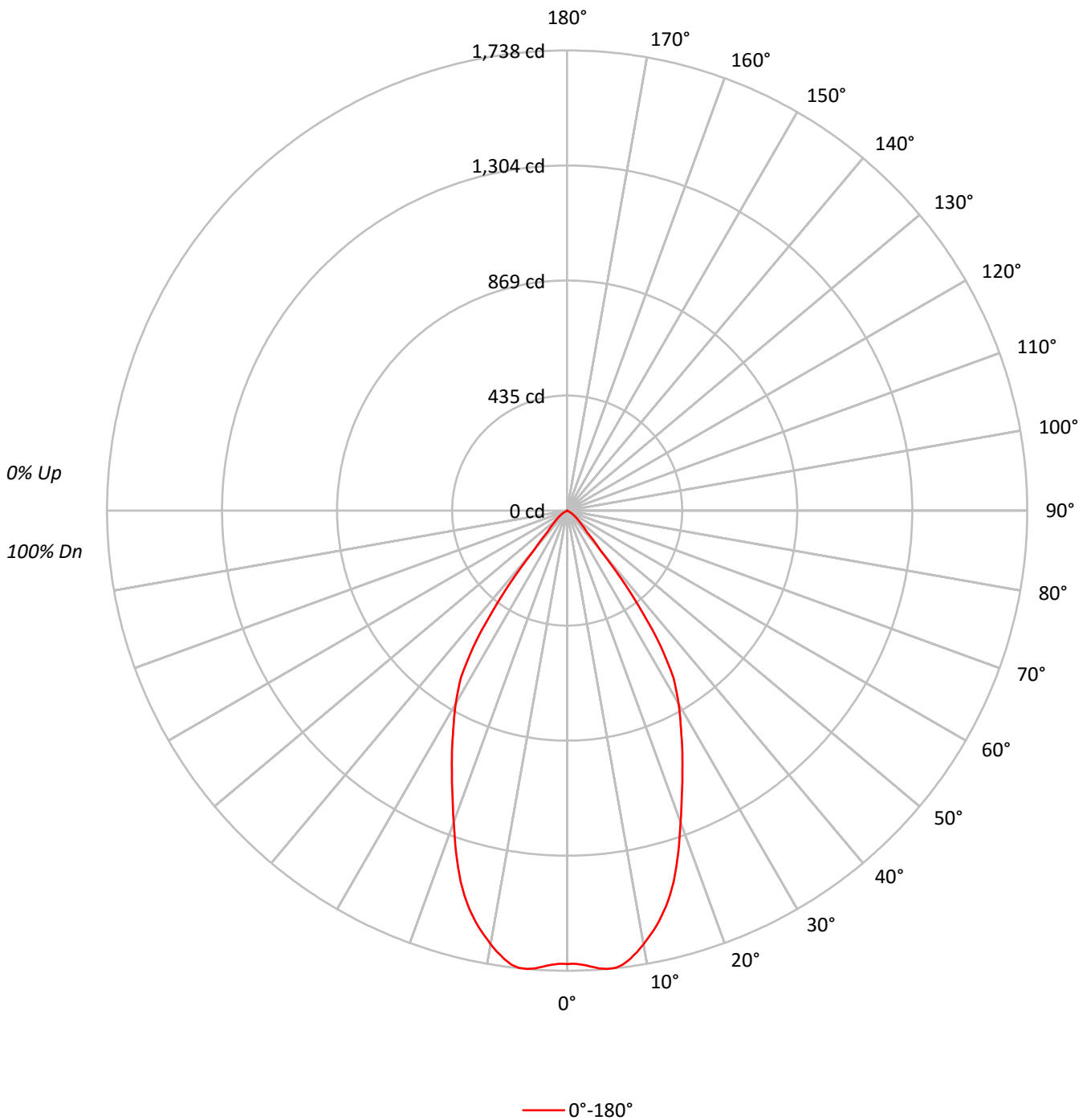
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56		63	59	55		63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52		60	55	52		59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	211242
5°	215181
10°	208338
15°	191877
20°	164432
25°	140221
30°	119924
35°	89639
40°	31801
45°	14879
50°	9844
55°	6623
60°	3330
65°	788
70°	577
75°	524
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	10.9
10°-20°	414.7	27.5
20°-30°	473.4	31.4
30°-40°	347.6	23.1
40°-50°	73.8	4.9
50°-60°	27.9	1.9
60°-70°	4.0	0.3
70°-80°	1.1	0.1
80°-90°	0.0	0.0
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°	1051.7	69.8
0°-40°	1399.2	92.9
0°-60°	1500.9	99.7
0°-90°	1505.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1505.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1713	
5°	1738	164
15°	1503	415
25°	1030	473
35°	595	348
45°	85	74
55°	31	28
65°	3	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1712.6
1°	1712.0
2°	1716.3
3°	1725.0
4°	1733.1
5°	1737.9
6°	1736.8
7°	1727.7
8°	1709.9
9°	1687.7
10°	1663.4
11°	1635.9
12°	1607.9
13°	1576.0
14°	1541.5
15°	1502.6
16°	1458.3
17°	1409.2
18°	1358.5
19°	1305.1
20°	1252.7
21°	1204.1
22°	1157.2
23°	1112.9
24°	1070.8
25°	1030.3
26°	990.9
27°	951.0
28°	912.7
29°	877.1
30°	842.0
32.5°	747.5
35°	595.3
37.5°	402.1
40°	197.5
42.5°	111.2
45°	85.3
47.5°	66.9
50°	51.3
52.5°	40.5
55°	30.8
57.5°	22.1
60°	13.5
62.5°	3.8
65°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	1.6
72.5°	1.6
75°	1.1
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)