

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: P221106

Luminaire Tested: **9004-W1-FL-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221106
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-LED5080-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1211.7 lumens
Efficiency: N/A
Efficacy: 123.6 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

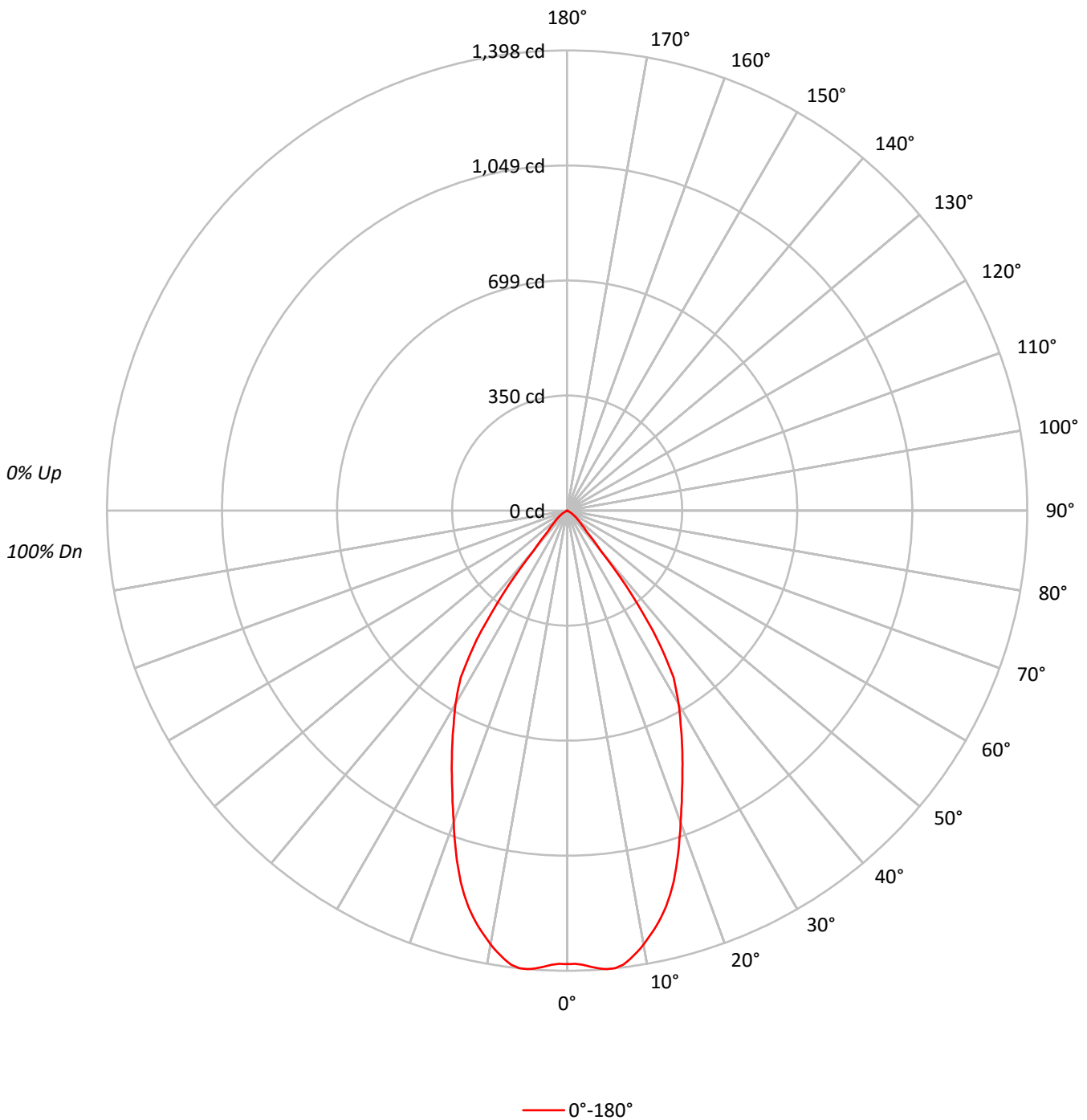
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	169958
5°	173145
10°	167633
15°	154385
20°	132299
25°	112824
30°	96494
35°	72126
40°	25585
45°	11966
50°	7925
55°	5333
60°	2689
65°	642
70°	469
75°	429
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	10.9
10°-20°	333.7	27.5
20°-30°	380.9	31.4
30°-40°	279.7	23.1
40°-50°	59.4	4.9
50°-60°	22.5	1.9
60°-70°	3.2	0.3
70°-80°	0.9	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°	846.2	69.8
0°-40°	1125.9	92.9
0°-60°	1207.7	99.7
0°-90°	1211.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1378	
5°	1398	132
15°	1209	334
25°	829	381
35°	479	280
45°	69	59
55°	25	22
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1377.9
1°	1377.5
2°	1381.0
3°	1387.9
4°	1394.5
5°	1398.4
6°	1397.5
7°	1390.1
8°	1375.8
9°	1358.0
10°	1338.4
11°	1316.3
12°	1293.7
13°	1268.1
14°	1240.3
15°	1209.0
16°	1173.4
17°	1133.9
18°	1093.1
19°	1050.1
20°	1007.9
21°	968.9
22°	931.1
23°	895.5
24°	861.6
25°	829.0
26°	797.3
27°	765.2
28°	734.4
29°	705.7
30°	677.5
32.5°	601.5
35°	479.0
37.5°	323.5
40°	158.9
42.5°	89.5
45°	68.6
47.5°	53.8
50°	41.3
52.5°	32.6
55°	24.8
57.5°	17.8
60°	10.9
62.5°	3.0
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.3
72.5°	1.3
75°	0.9
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)