

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: P221125

Luminaire Tested: **9004-W1-FL-LED3097-W-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221125
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-LED3097-W-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

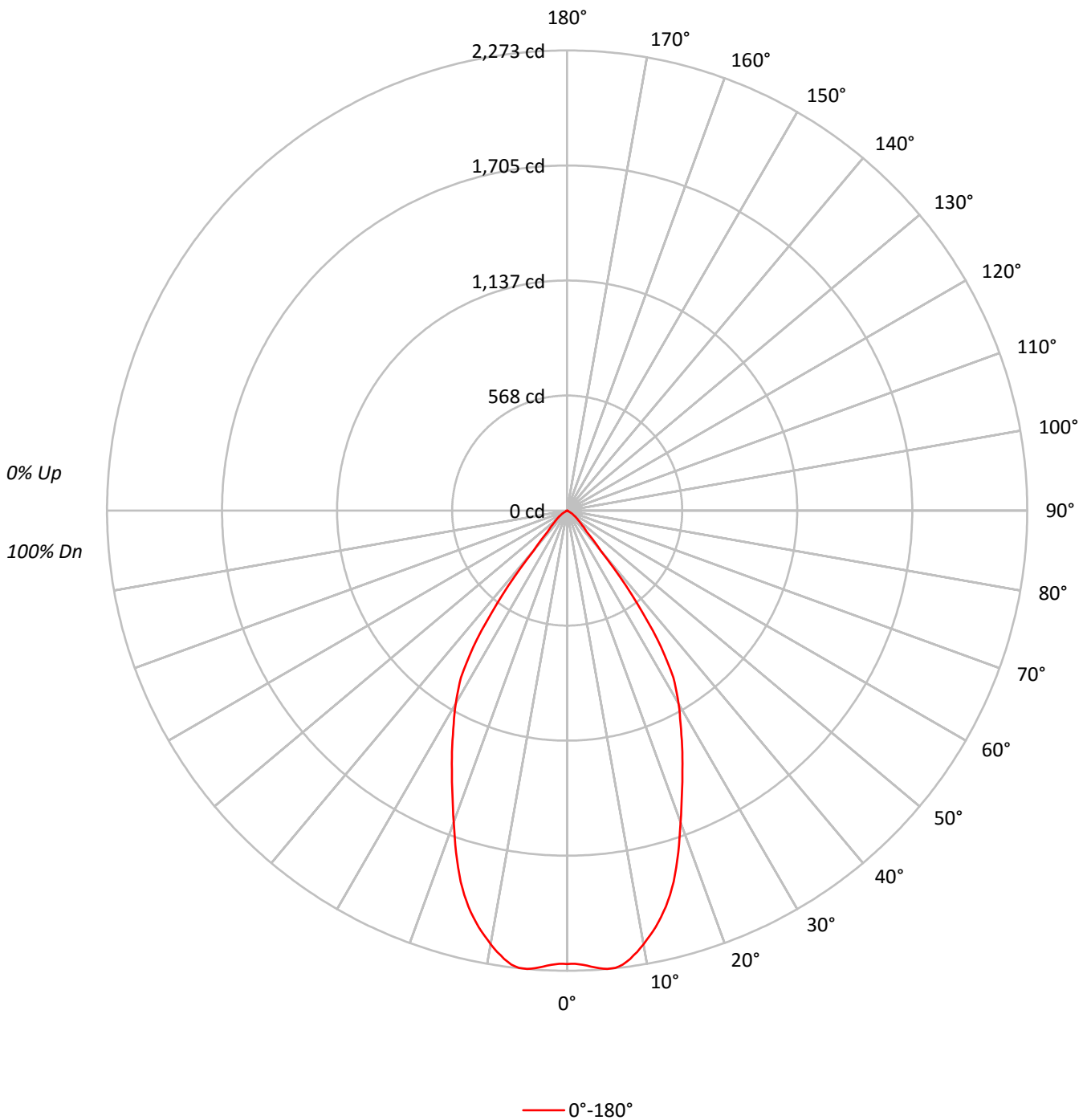
Lumens per Lamp: N/A
Luminaire Lumens: 1969.3 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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°	276245
5°	281411
10°	272465
15°	250937
20°	215046
25°	183377
30°	156827
35°	117224
40°	41591
45°	19450
50°	12876
55°	8645
60°	4342
65°	1022
70°	757
75°	667
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	10.9
10°-20°	542.4	27.5
20°-30°	619.1	31.4
30°-40°	454.5	23.1
40°-50°	96.5	4.9
50°-60°	36.4	1.9
60°-70°	5.2	0.3
70°-80°	1.4	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°	1375.4	69.8
0°-40°	1829.9	92.9
0°-60°	1962.8	99.7
0°-90°	1969.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1969.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2240	
5°	2273	214
15°	1965	542
25°	1347	619
35°	778	455
45°	112	96
55°	40	36
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2239.6
1°	2238.9
2°	2244.6
3°	2255.9
4°	2266.4
5°	2272.8
6°	2271.4
7°	2259.4
8°	2236.1
9°	2207.2
10°	2175.4
11°	2139.4
12°	2102.7
13°	2061.0
14°	2015.9
15°	1965.1
16°	1907.2
17°	1842.9
18°	1776.6
19°	1706.7
20°	1638.3
21°	1574.7
22°	1513.3
23°	1455.4
24°	1400.4
25°	1347.4
26°	1295.9
27°	1243.7
28°	1193.6
29°	1147.0
30°	1101.1
32.5°	977.6
35°	778.5
37.5°	525.8
40°	258.3
42.5°	145.4
45°	111.5
47.5°	87.5
50°	67.1
52.5°	52.9
55°	40.2
57.5°	28.9
60°	17.6
62.5°	4.9
65°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.8
70°	2.1
72.5°	2.1
75°	1.4
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)