

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: P221121

Luminaire Tested: **9004-W1-FL-LED3090-W-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221121
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-LED3090-W-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2226.8 lumens
Efficiency: N/A
Efficacy: 78.1 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

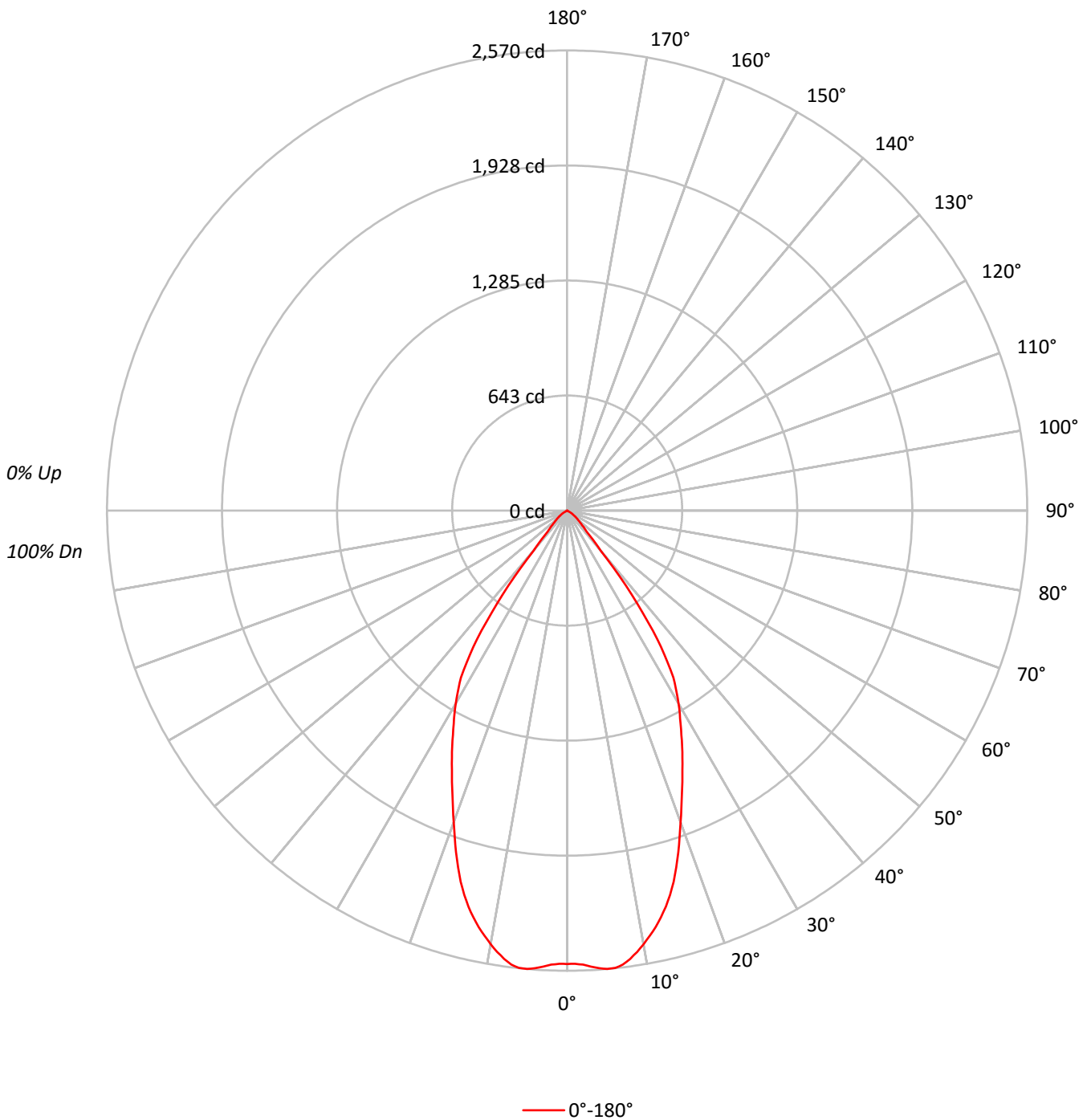
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	312348
5°	318184
10°	308061
15°	283717
20°	243136
25°	207344
30°	177322
35°	132553
40°	47033
45°	21997
50°	14545
55°	9785
60°	4934
65°	1167
70°	866
75°	763
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.8	10.9
10°-20°	613.2	27.5
20°-30°	700.0	31.4
30°-40°	513.9	23.1
40°-50°	109.1	4.9
50°-60°	41.2	1.9
60°-70°	5.9	0.3
70°-80°	1.6	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°	1555.1	69.8
0°-40°	2069.0	92.9
0°-60°	2219.3	99.7
0°-90°	2226.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2226.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2532	
5°	2570	242
15°	2222	613
25°	1524	700
35°	880	514
45°	126	109
55°	46	41
65°	4	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2532.3
1°	2531.5
2°	2537.8
3°	2550.6
4°	2562.6
5°	2569.8
6°	2568.2
7°	2554.6
8°	2528.3
9°	2495.5
10°	2459.6
11°	2418.9
12°	2377.4
13°	2330.3
14°	2279.3
15°	2221.8
16°	2156.4
17°	2083.7
18°	2008.7
19°	1929.7
20°	1852.3
21°	1780.5
22°	1711.0
23°	1645.6
24°	1583.4
25°	1523.5
26°	1465.2
27°	1406.2
28°	1349.5
29°	1296.9
30°	1245.0
32.5°	1105.3
35°	880.3
37.5°	594.6
40°	292.1
42.5°	164.4
45°	126.1
47.5°	99.0
50°	75.8
52.5°	59.9
55°	45.5
57.5°	32.7
60°	20.0
62.5°	5.6
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	2.4
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)