

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: P220780

Luminaire Tested: **9004-W1-[RW, RI]-LED3090-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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]-LED3090-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2153.9 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

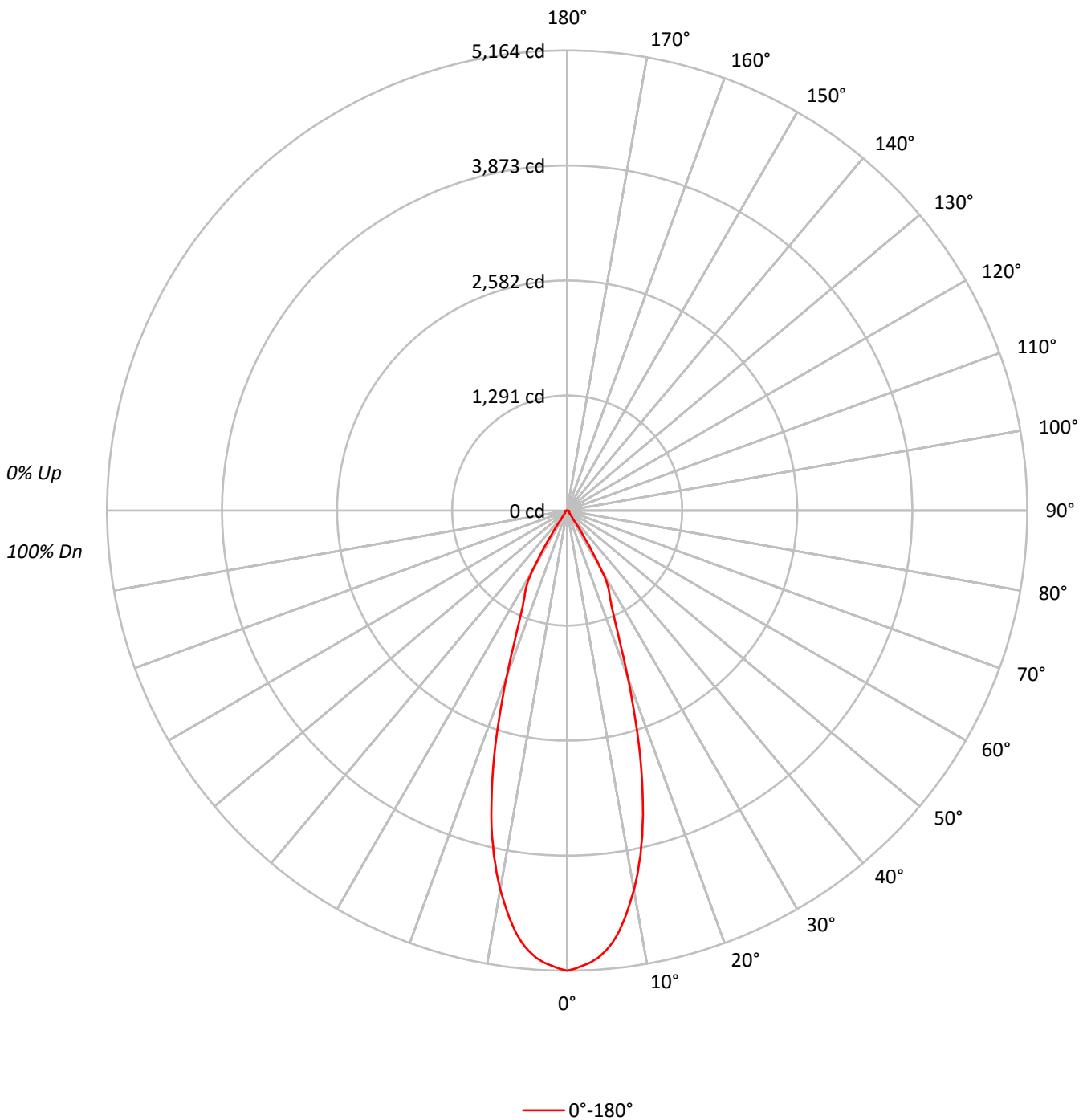
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	636994
5°	614230
10°	540860
15°	417632
20°	260738
25°	160526
30°	110025
35°	17301
40°	7841
45°	5285
50°	5507
55°	6000
60°	6685
65°	7442
70°	8619
75°	10628
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.9	21.0
10°-20°	878.2	40.8
20°-30°	568.7	26.4
30°-40°	146.3	6.8
40°-50°	25.0	1.2
50°-60°	25.2	1.2
60°-70°	25.3	1.2
70°-80°	22.8	1.1
80°-90°	9.6	0.4
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°	1899.8	88.2
0°-40°	2046.1	95.0
0°-60°	2096.2	97.3
0°-90°	2153.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5164	
5°	4961	453
15°	3270	878
25°	1180	569
35°	115	146
45°	30	25
55°	28	25
65°	26	25
75°	22	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5164.3
1°	5141.1
2°	5110.8
3°	5074.9
4°	5028.6
5°	4960.8
6°	4874.6
7°	4762.1
8°	4627.2
9°	4477.1
10°	4318.3
11°	4144.4
12°	3952.8
13°	3745.3
14°	3517.9
15°	3270.5
16°	3015.1
17°	2752.5
18°	2489.2
19°	2229.8
20°	1986.4
21°	1763.7
22°	1569.8
23°	1406.2
24°	1277.7
25°	1179.5
26°	1102.1
27°	1042.3
28°	992.0
29°	904.2
30°	772.5
32.5°	386.3
35°	114.9
37.5°	73.4
40°	48.7
42.5°	31.1
45°	30.3
47.5°	29.5
50°	28.7
52.5°	28.7
55°	27.9
57.5°	27.9
60°	27.1
62.5°	26.3
65°	25.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.7
70°	23.9
72.5°	23.1
75°	22.3
77.5°	20.0
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)