

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: P220745

Luminaire Tested: **9004-W1-[RW, RI]-LED3090-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
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-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1631.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

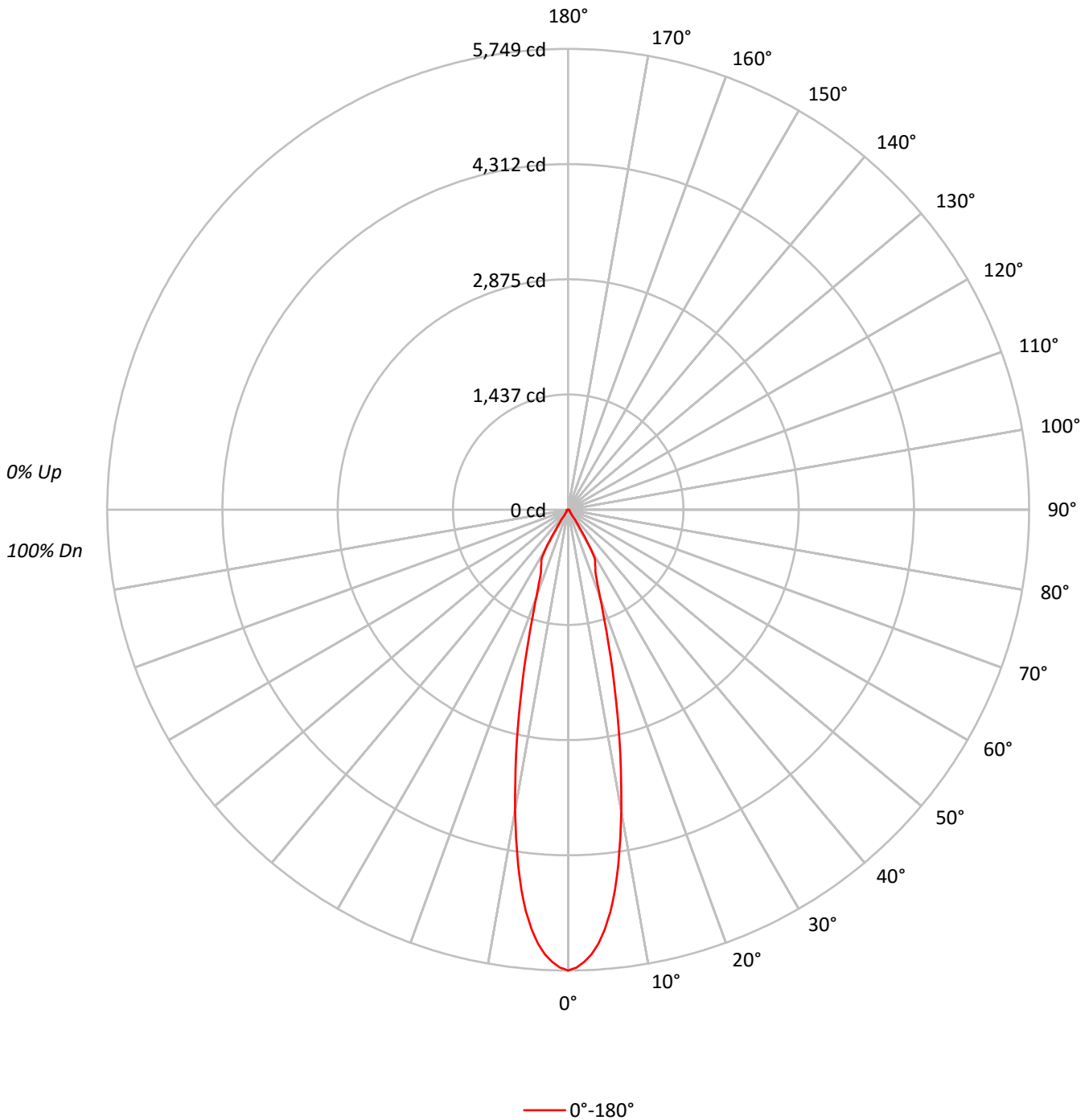
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709139
5°	650286
10°	477197
15°	279490
20°	152500
25°	108646
30°	80372
35°	11594
40°	6344
45°	4518
50°	4605
55°	4774
60°	5329
65°	5925
70°	6888
75°	8531
80°	10087
85°	9624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.6	27.9
10°-20°	608.6	37.3
20°-30°	375.7	23.0
30°-40°	104.7	6.4
40°-50°	21.2	1.3
50°-60°	20.2	1.2
60°-70°	20.3	1.2
70°-80°	18.2	1.1
80°-90°	7.6	0.5
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°	1438.9	88.2
0°-40°	1543.6	94.6
0°-60°	1584.9	97.2
0°-90°	1631.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1631.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5749	
5°	5252	455
15°	2189	609
25°	798	376
35°	77	105
45°	26	21
55°	22	20
65°	20	20
75°	18	18
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5749.2
1°	5713.4
2°	5647.5
3°	5553.9
4°	5425.1
5°	5252.0
6°	5037.7
7°	4782.6
8°	4478.3
9°	4151.2
10°	3810.0
11°	3462.6
12°	3119.4
13°	2784.9
14°	2474.5
15°	2188.7
16°	1925.6
17°	1689.7
18°	1482.7
19°	1305.9
20°	1161.8
21°	1042.9
22°	953.6
23°	885.8
24°	835.3
25°	798.3
26°	768.2
27°	741.7
28°	716.4
29°	659.7
30°	564.3
32.5°	273.5
35°	77.0
37.5°	53.0
40°	39.4
42.5°	27.7
45°	25.9
47.5°	24.6
50°	24.0
52.5°	22.8
55°	22.2
57.5°	22.2
60°	21.6
62.5°	21.6
65°	20.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.7
70°	19.1
72.5°	18.5
75°	17.9
77.5°	16.0
80°	14.2
82.5°	11.1
85°	6.8
87.5°	3.1
90°	0.0

(END OF REPORT)