

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: P220754

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220754
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-L3-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: 2113.0 lumens
Efficiency: N/A
Efficacy: 74.1 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

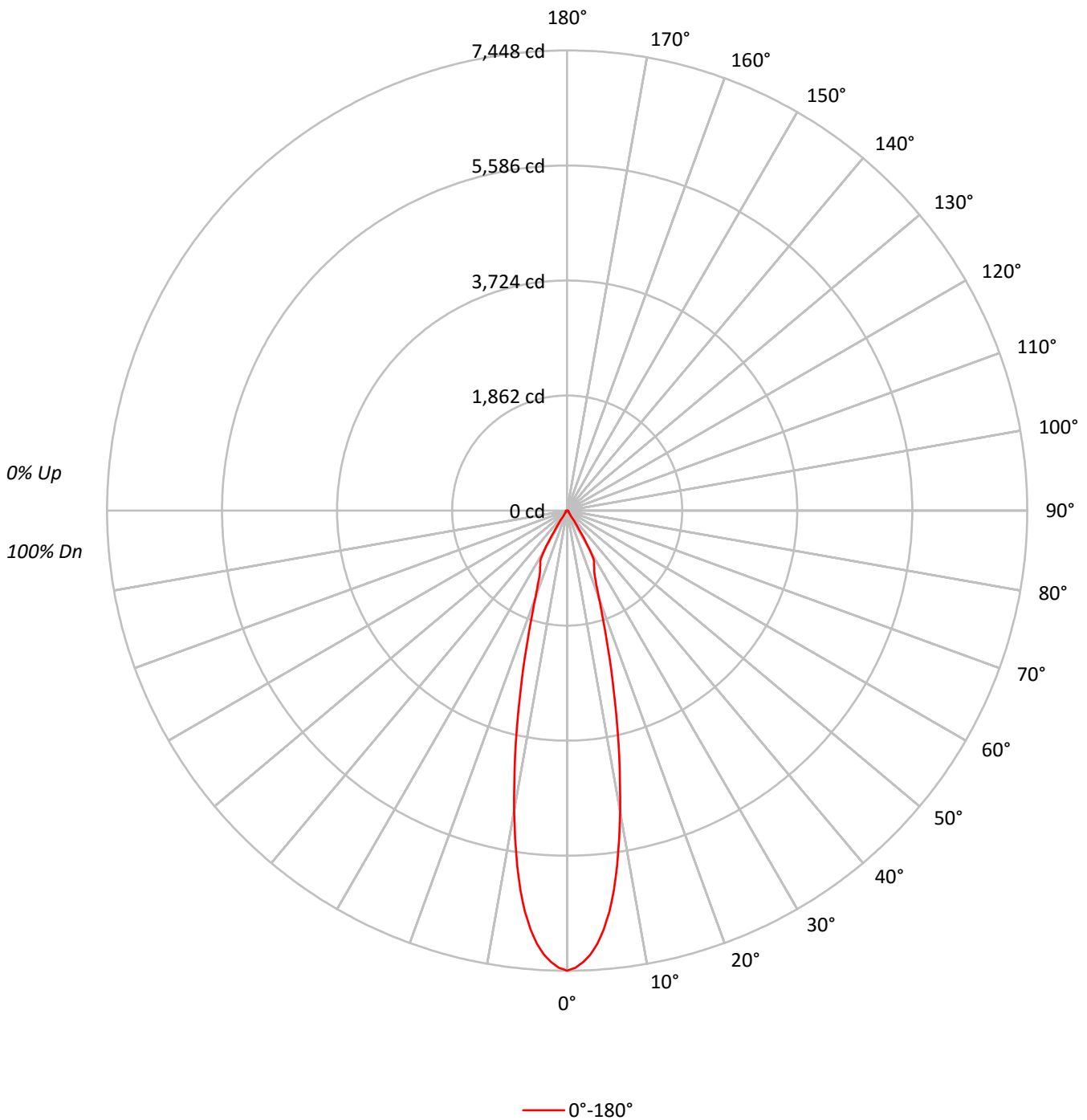
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	95	91	96	93	90	94	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°	918715
5°	842487
10°	618226
15°	362084
20°	197562
25°	140765
30°	104114
35°	15028
40°	8228
45°	5844
50°	5968
55°	6172
60°	6883
65°	7676
70°	8908
75°	11009
80°	13070
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.9	27.9
10°-20°	788.5	37.3
20°-30°	486.7	23.0
30°-40°	135.7	6.4
40°-50°	27.4	1.3
50°-60°	26.1	1.2
60°-70°	26.3	1.2
70°-80°	23.6	1.1
80°-90°	9.9	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°	1864.1	88.2
0°-40°	1999.8	94.6
0°-60°	2053.3	97.2
0°-90°	2113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7448	
5°	6804	589
15°	2836	788
25°	1034	487
35°	100	136
45°	34	27
55°	29	26
65°	26	26
75°	23	24
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7448.3
1°	7402.0
2°	7316.6
3°	7195.3
4°	7028.5
5°	6804.3
6°	6526.6
7°	6196.2
8°	5801.9
9°	5378.1
10°	4936.0
11°	4485.9
12°	4041.4
13°	3608.0
14°	3205.8
15°	2835.5
16°	2494.7
17°	2189.1
18°	1920.9
19°	1691.9
20°	1505.1
21°	1351.1
22°	1235.4
23°	1147.6
24°	1082.2
25°	1034.3
26°	995.2
27°	960.9
28°	928.1
29°	854.7
30°	731.0
32.5°	354.3
35°	99.8
37.5°	68.6
40°	51.1
42.5°	35.9
45°	33.5
47.5°	31.9
50°	31.1
52.5°	29.5
55°	28.7
57.5°	28.7
60°	27.9
62.5°	27.9
65°	26.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	25.5
70°	24.7
72.5°	23.9
75°	23.1
77.5°	20.7
80°	18.4
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)