

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: P220861

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-M-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)
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]-LED2797-M-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1730.6 lumens
Efficiency: N/A
Efficacy: 60.7 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

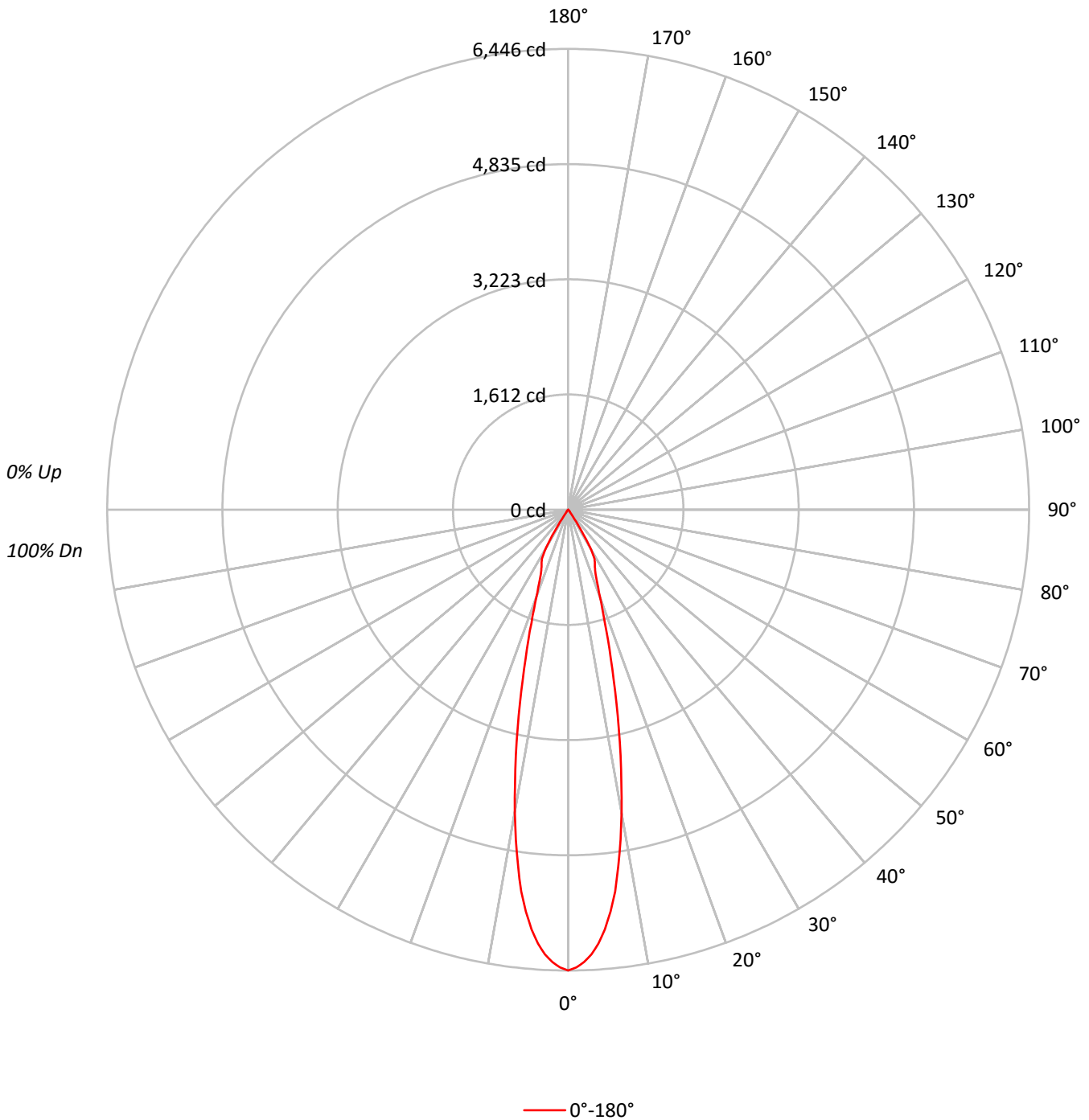
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	73	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	795049
5°	729429
10°	538180
15°	314134
20°	170351
25°	120378
30°	87237
35°	10842
40°	3719
45°	1465
50°	940
55°	753
60°	518
65°	409
70°	252
75°	334
80°	497
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.8	29.5
10°-20°	685.0	39.6
20°-30°	415.5	24.0
30°-40°	106.3	6.1
40°-50°	7.6	0.4
50°-60°	3.1	0.2
60°-70°	1.4	0.1
70°-80°	0.7	0.0
80°-90°	0.1	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°	1611.3	93.1
0°-40°	1717.7	99.3
0°-60°	1728.4	99.9
0°-90°	1730.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6446	
5°	5891	511
15°	2460	685
25°	884	416
35°	72	106
45°	8	8
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6445.7
1°	6404.4
2°	6331.0
3°	6226.1
4°	6082.8
5°	5891.2
6°	5652.0
7°	5382.8
8°	5038.8
9°	4671.7
10°	4296.9
11°	3902.5
12°	3515.1
13°	3144.5
14°	2788.6
15°	2460.0
16°	2166.3
17°	1901.3
18°	1664.9
19°	1465.6
20°	1297.8
21°	1165.6
22°	1060.8
23°	983.1
24°	927.9
25°	884.5
26°	849.6
27°	819.5
28°	783.9
29°	718.8
30°	612.5
32.5°	291.6
35°	72.0
37.5°	39.2
40°	23.1
42.5°	10.5
45°	8.4
47.5°	7.0
50°	4.9
52.5°	4.2
55°	3.5
57.5°	2.8
60°	2.1
62.5°	2.1
65°	1.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)