

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: P220749

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220749
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]-LED2797-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.1 lumens
Efficiency: N/A
Efficacy: 71.1 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

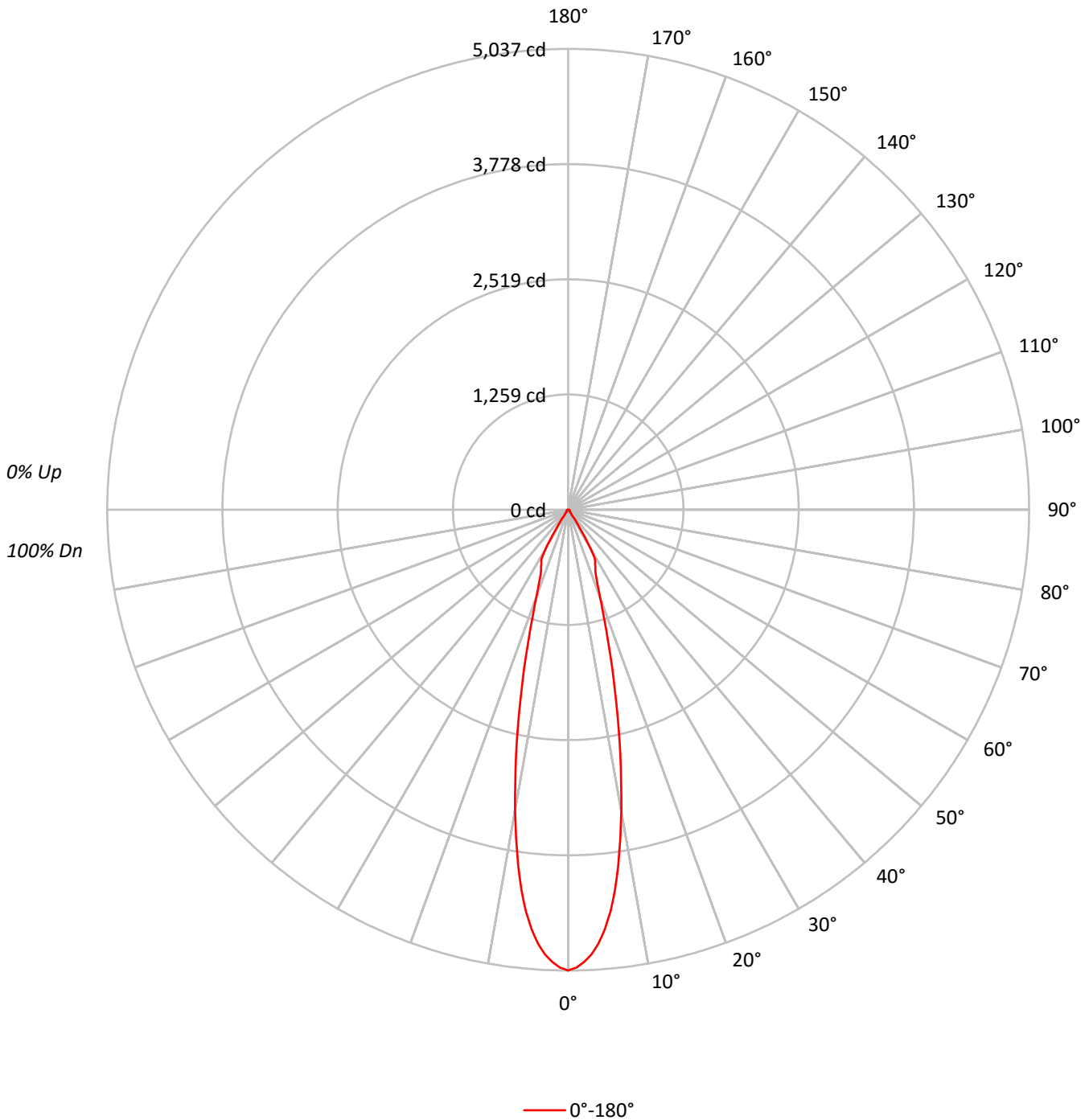
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95		95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90		90
3	105	100	95	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86		86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82		82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79		79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76		76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73		73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70		70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68		68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66		66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	621329
5°	569768
10°	418104
15°	244884
20°	133611
25°	95200
30°	70416
35°	10164
40°	5555
45°	3960
50°	4030
55°	4172
60°	4662
65°	5195
70°	6023
75°	7482
80°	8808
85°	8350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.3	27.9
10°-20°	533.2	37.3
20°-30°	329.2	23.0
30°-40°	91.8	6.4
40°-50°	18.5	1.3
50°-60°	17.6	1.2
60°-70°	17.8	1.2
70°-80°	16.0	1.1
80°-90°	6.7	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°	1260.7	88.2
0°-40°	1352.4	94.6
0°-60°	1388.6	97.2
0°-90°	1429.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5037	
5°	4602	398
15°	1918	533
25°	700	329
35°	68	92
45°	23	19
55°	19	18
65°	18	18
75°	16	16
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5037.3
1°	5006.0
2°	4948.2
3°	4866.2
4°	4753.4
5°	4601.7
6°	4413.9
7°	4190.5
8°	3923.8
9°	3637.2
10°	3338.2
11°	3033.8
12°	2733.2
13°	2440.1
14°	2168.1
15°	1917.7
16°	1687.2
17°	1480.5
18°	1299.1
19°	1144.2
20°	1017.9
21°	913.8
22°	835.5
23°	776.1
24°	731.9
25°	699.5
26°	673.0
27°	649.8
28°	627.7
29°	578.0
30°	494.4
32.5°	239.6
35°	67.5
37.5°	46.4
40°	34.5
42.5°	24.3
45°	22.7
47.5°	21.6
50°	21.0
52.5°	20.0
55°	19.4
57.5°	19.4
60°	18.9
62.5°	18.9
65°	17.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.3
70°	16.7
72.5°	16.2
75°	15.7
77.5°	14.0
80°	12.4
82.5°	9.7
85°	5.9
87.5°	2.7
90°	0.0

(END OF REPORT)