

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: P220775

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220775
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]-LED2797-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1456.7 lumens
Efficiency: N/A
Efficacy: 72.5 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

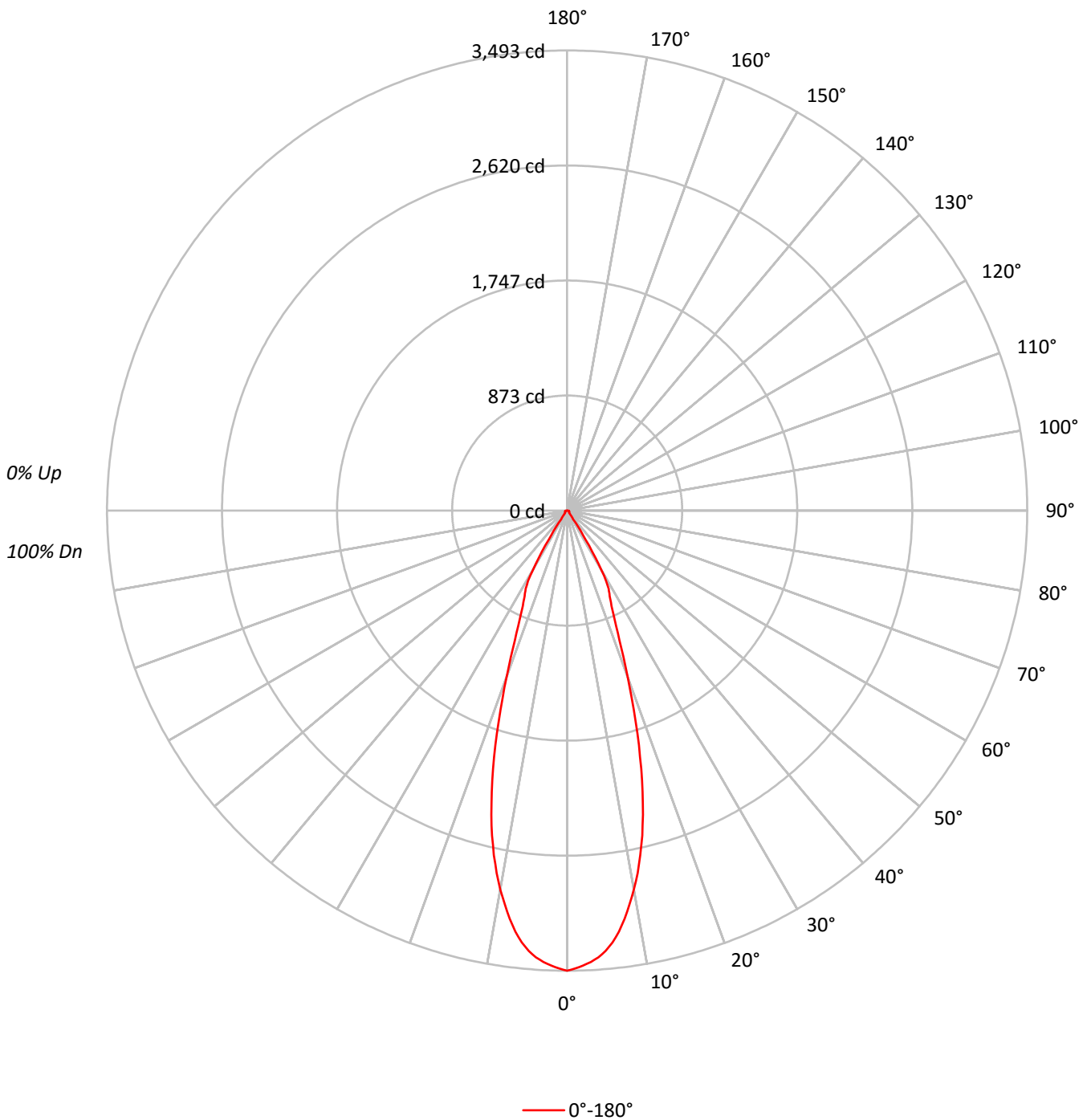
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	430797
5°	415405
10°	365788
15°	282440
20°	176337
25°	108564
30°	74418
35°	11700
40°	5297
45°	3576
50°	3723
55°	4064
60°	4539
65°	5049
70°	5842
75°	7196
80°	8453
85°	8350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.3	21.0
10°-20°	593.9	40.8
20°-30°	384.6	26.4
30°-40°	98.9	6.8
40°-50°	16.9	1.2
50°-60°	17.1	1.2
60°-70°	17.1	1.2
70°-80°	15.4	1.1
80°-90°	6.5	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°	1284.8	88.2
0°-40°	1383.8	95.0
0°-60°	1417.7	97.3
0°-90°	1456.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1456.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3493	
5°	3355	306
15°	2212	594
25°	798	385
35°	78	99
45°	20	17
55°	19	17
65°	17	17
75°	15	15
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3492.6
1°	3476.9
2°	3456.4
3°	3432.1
4°	3400.8
5°	3355.0
6°	3296.7
7°	3220.6
8°	3129.4
9°	3027.9
10°	2920.5
11°	2802.8
12°	2673.3
13°	2533.0
14°	2379.1
15°	2211.8
16°	2039.1
17°	1861.5
18°	1683.4
19°	1508.0
20°	1343.4
21°	1192.8
22°	1061.7
23°	951.0
24°	864.1
25°	797.7
26°	745.4
27°	704.9
28°	670.9
29°	611.5
30°	522.5
32.5°	261.2
35°	77.7
37.5°	49.7
40°	32.9
42.5°	21.0
45°	20.5
47.5°	20.0
50°	19.4
52.5°	19.4
55°	18.9
57.5°	18.9
60°	18.4
62.5°	17.8
65°	17.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.7
70°	16.2
72.5°	15.7
75°	15.1
77.5°	13.5
80°	11.9
82.5°	9.2
85°	5.9
87.5°	2.7
90°	0.0

(END OF REPORT)