

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: P220853

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220853
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-L2-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: 1335.7 lumens
Efficiency: N/A
Efficacy: 66.5 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

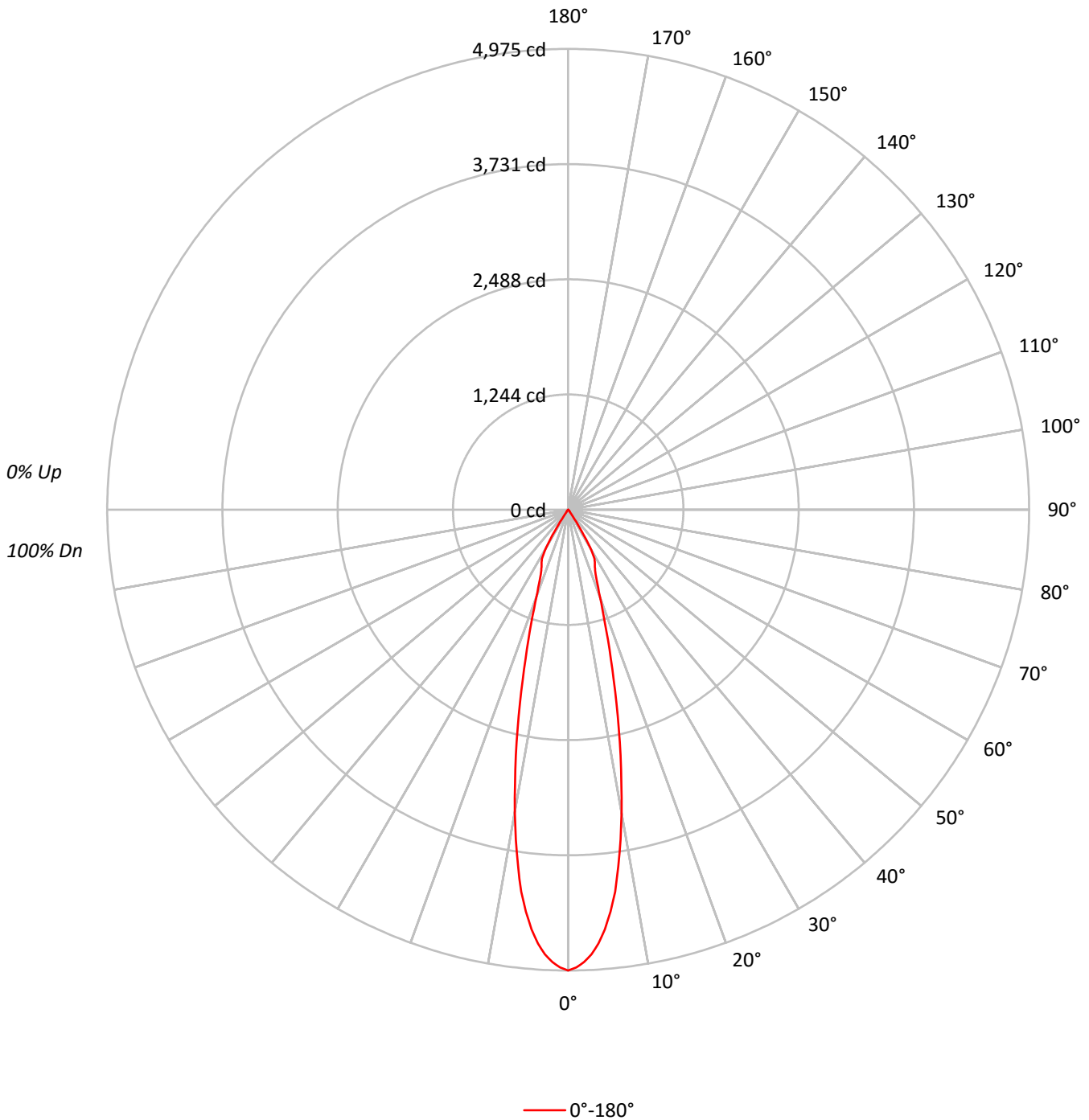
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	613669
5°	563020
10°	415399
15°	242471
20°	131485
25°	92927
30°	67340
35°	8372
40°	2866
45°	1134
50°	729
55°	581
60°	395
65°	321
70°	180
75°	238
80°	355
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.2	29.5
10°-20°	528.7	39.6
20°-30°	320.8	24.0
30°-40°	82.1	6.1
40°-50°	5.9	0.4
50°-60°	2.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	1243.7	93.1
0°-40°	1325.8	99.3
0°-60°	1334.1	99.9
0°-90°	1335.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4975	
5°	4547	394
15°	1899	529
25°	683	321
35°	56	82
45°	6	6
55°	3	2
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4975.2
1°	4943.4
2°	4886.7
3°	4805.8
4°	4695.1
5°	4547.2
6°	4362.6
7°	4154.8
8°	3889.3
9°	3605.9
10°	3316.6
11°	3012.2
12°	2713.2
13°	2427.2
14°	2152.4
15°	1898.8
16°	1672.1
17°	1467.5
18°	1285.1
19°	1131.3
20°	1001.7
21°	899.7
22°	818.8
23°	758.9
24°	716.2
25°	682.8
26°	655.8
27°	632.6
28°	605.0
29°	554.8
30°	472.8
32.5°	225.1
35°	55.6
37.5°	30.2
40°	17.8
42.5°	8.1
45°	6.5
47.5°	5.4
50°	3.8
52.5°	3.2
55°	2.7
57.5°	2.2
60°	1.6
62.5°	1.6
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)