

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: P220723

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)
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-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.6 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

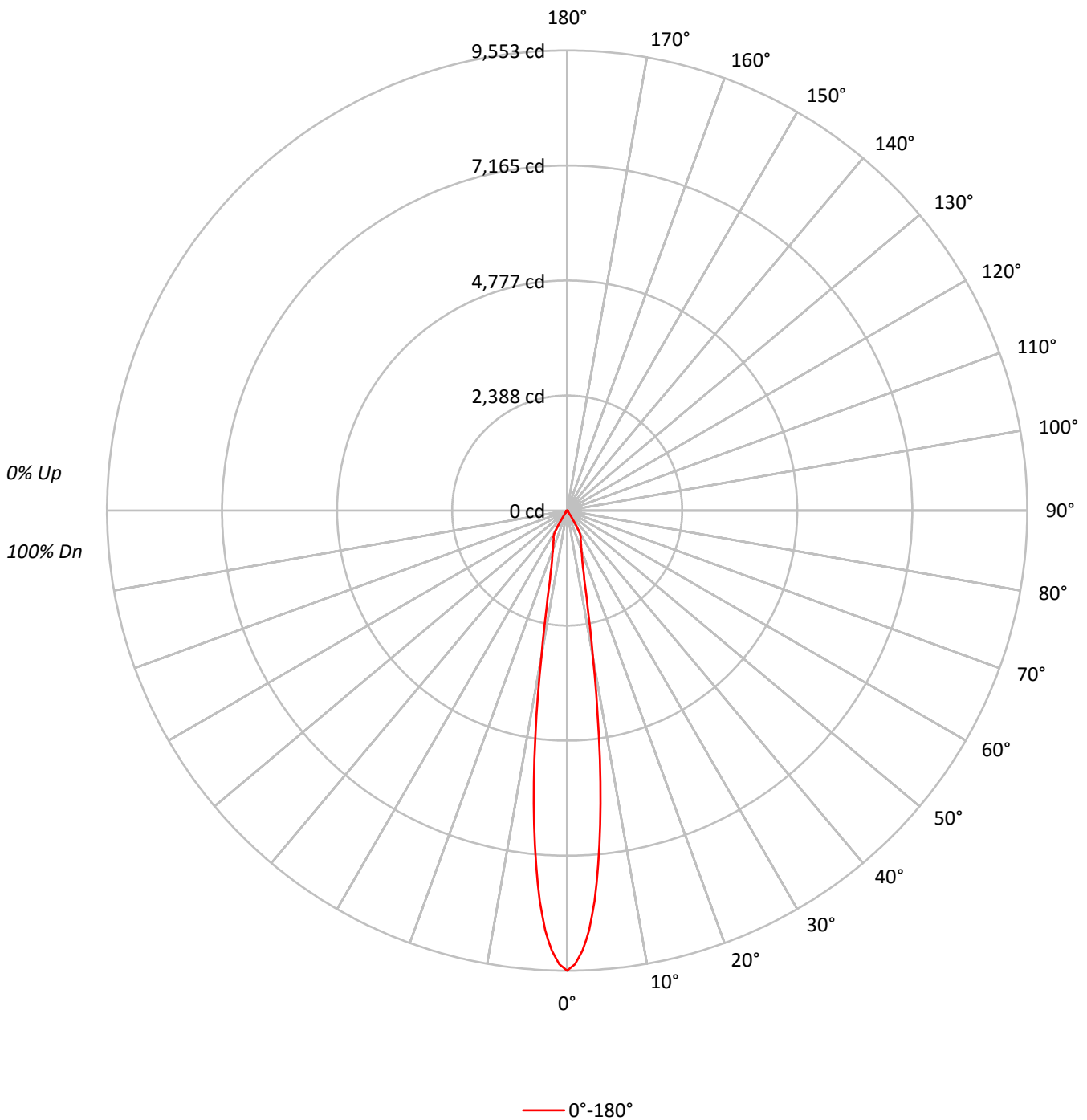
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	96	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1178345
5°	915675
10°	388020
15°	165891
20°	113279
25°	90273
30°	67496
35°	8944
40°	4782
45°	3489
50°	3723
55°	4064
60°	4539
65°	5195
70°	6023
75°	7196
80°	8453
85°	8350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.1	39.1
10°-20°	399.9	28.1
20°-30°	308.6	21.6
30°-40°	85.5	6.0
40°-50°	16.6	1.2
50°-60°	17.0	1.2
60°-70°	17.6	1.2
70°-80°	15.7	1.1
80°-90°	6.6	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°	1266.6	88.8
0°-40°	1352.1	94.8
0°-60°	1385.6	97.2
0°-90°	1425.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9553	
5°	7395	558
15°	1299	400
25°	663	309
35°	59	86
45°	20	17
55°	19	17
65°	18	18
75°	15	16
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9553.2
1°	9419.4
2°	9141.9
3°	8720.4
4°	8134.3
5°	7395.4
6°	6561.0
7°	5680.1
8°	4726.4
9°	3861.8
10°	3098.0
11°	2496.3
12°	2039.6
13°	1709.3
14°	1475.6
15°	1299.1
16°	1168.0
17°	1069.7
18°	992.6
19°	925.1
20°	863.0
22.5°	747.5
25°	663.3
26°	641.7
27°	623.4
28°	601.3
29°	553.2
30°	473.9
32.5°	227.8
35°	59.4
37.5°	38.3
40°	29.7
42.5°	22.1
45°	20.0
47.5°	19.4
50°	19.4
52.5°	18.9
55°	18.9
57.5°	18.9
60°	18.4
62.5°	18.4
65°	17.8
67.5°	17.3
70°	16.7
72.5°	16.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	15.1
77.5°	14.0
80°	11.9
82.5°	9.7
85°	5.9
87.5°	2.7
90°	0.0

(END OF REPORT)