

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: P220722

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220722
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]-LED5080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 105.4 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

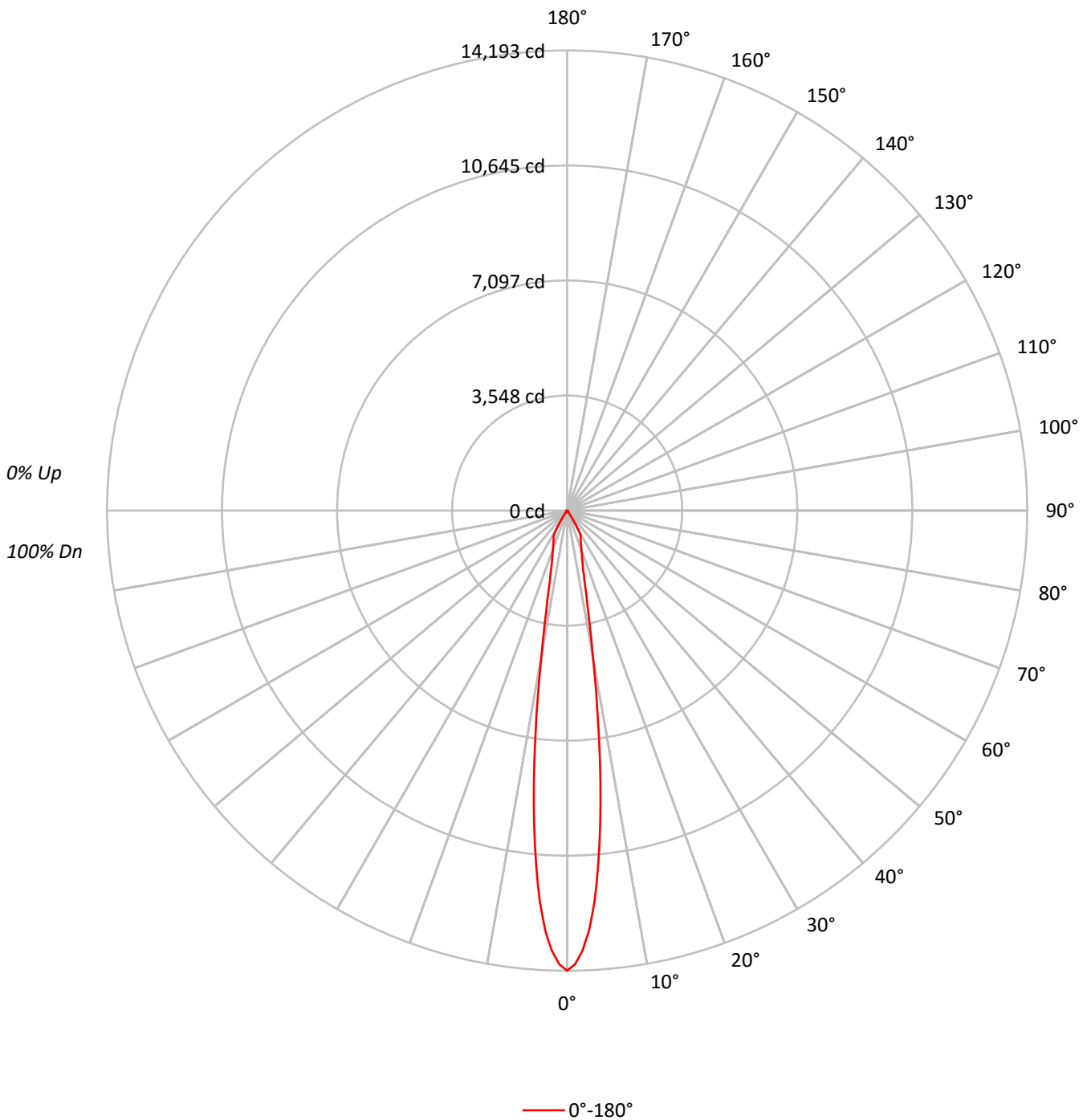
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1750607
5°	1360363
10°	576468
15°	246455
20°	168304
25°	134123
30°	100269
35°	13281
40°	7101
45°	5181
50°	5546
55°	6043
60°	6735
65°	7734
70°	8980
75°	10723
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	829.1	39.1
10°-20°	594.1	28.1
20°-30°	458.5	21.6
30°-40°	127.0	6.0
40°-50°	24.7	1.2
50°-60°	25.2	1.2
60°-70°	26.2	1.2
70°-80°	23.4	1.1
80°-90°	9.8	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°	1881.7	88.8
0°-40°	2008.7	94.8
0°-60°	2058.6	97.2
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14193	
5°	10987	829
15°	1930	594
25°	986	458
35°	88	127
45°	30	25
55°	28	25
65°	26	26
75°	22	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14192.7
1°	13993.8
2°	13581.7
3°	12955.4
4°	12084.6
5°	10986.9
6°	9747.2
7°	8438.6
8°	7021.8
9°	5737.2
10°	4602.6
11°	3708.5
12°	3030.2
13°	2539.4
14°	2192.2
15°	1930.0
16°	1735.2
17°	1589.3
18°	1474.6
19°	1374.4
20°	1282.2
22.5°	1110.6
25°	985.5
26°	953.4
27°	926.1
28°	893.3
29°	821.9
30°	704.0
32.5°	338.4
35°	88.2
37.5°	56.9
40°	44.1
42.5°	32.9
45°	29.7
47.5°	28.9
50°	28.9
52.5°	28.1
55°	28.1
57.5°	28.1
60°	27.3
62.5°	27.3
65°	26.5
67.5°	25.7
70°	24.9
72.5°	24.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	22.5
77.5°	20.8
80°	17.6
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)