

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: P220799

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
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]-LED4080-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2005.1 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

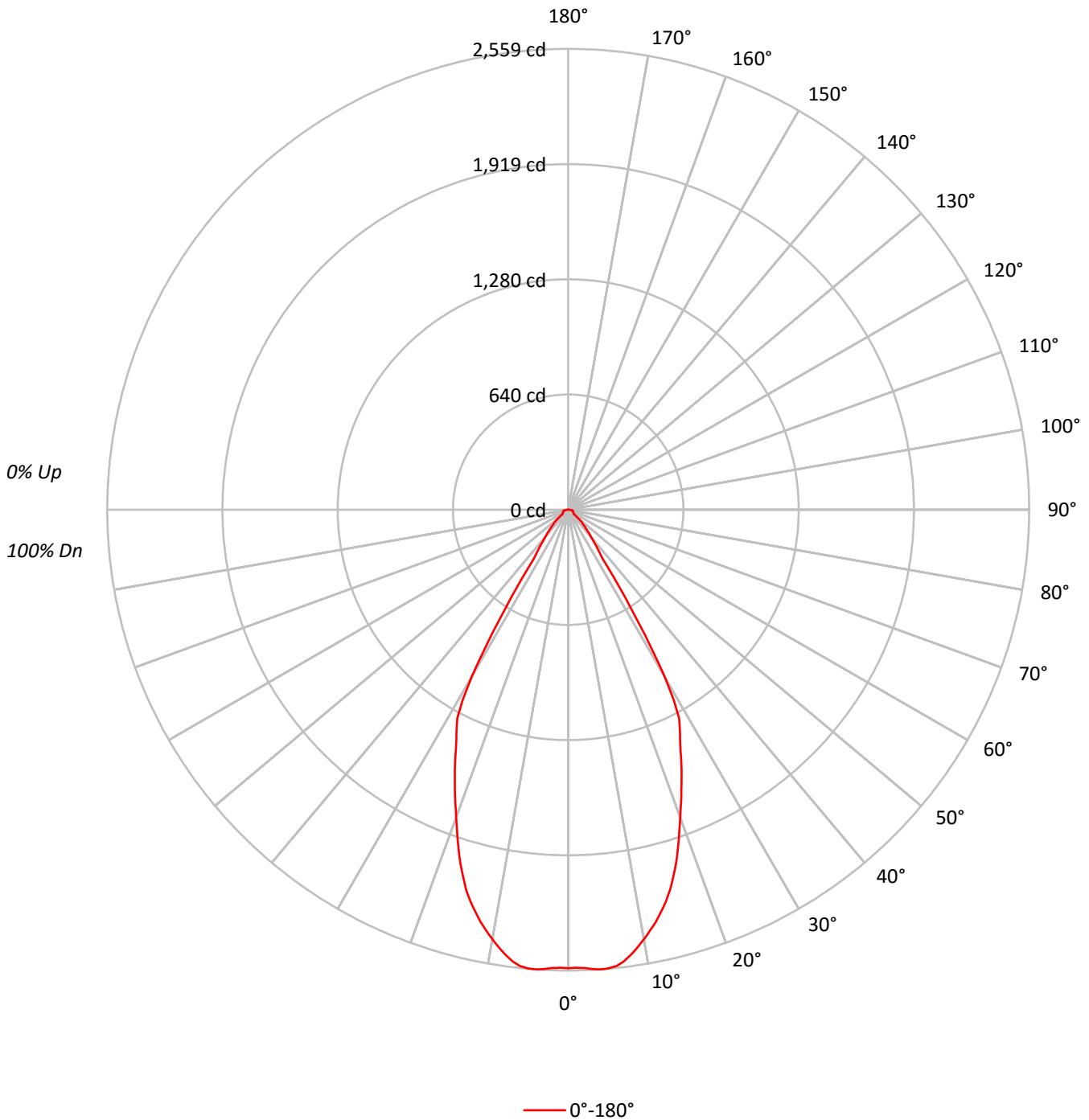
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91		94	92	90		92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57		64	60	57		64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	314087
5°	316624
10°	303364
15°	279132
20°	238607
25°	200852
30°	151827
35°	50443
40°	32058
45°	21805
50°	12742
55°	7634
60°	8388
65°	9223
70°	10567
75°	12867
80°	15343
85°	15285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	12.0
10°-20°	602.9	30.1
20°-30°	675.3	33.7
30°-40°	282.4	14.1
40°-50°	98.0	4.9
50°-60°	35.6	1.8
60°-70°	31.4	1.6
70°-80°	27.9	1.4
80°-90°	11.8	0.6
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°	1517.9	75.7
0°-40°	1800.3	89.8
0°-60°	1934.0	96.5
0°-90°	2005.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2546	
5°	2557	240
15°	2186	603
25°	1476	675
35°	335	282
45°	125	98
55°	36	36
65°	32	31
75°	27	28
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2546.4
1°	2544.1
2°	2546.4
3°	2554.1
4°	2558.8
5°	2557.2
6°	2548.0
7°	2527.9
8°	2496.2
9°	2460.7
10°	2422.1
11°	2381.2
12°	2339.5
13°	2292.5
14°	2242.3
15°	2185.9
16°	2118.8
17°	2048.6
18°	1972.9
19°	1894.2
20°	1817.8
21°	1746.7
22°	1678.1
23°	1610.1
24°	1543.7
25°	1475.8
26°	1416.4
27°	1363.9
28°	1309.9
29°	1211.1
30°	1066.0
32.5°	639.1
35°	335.0
37.5°	256.3
40°	199.1
42.5°	155.1
45°	125.0
47.5°	100.3
50°	66.4
52.5°	39.4
55°	35.5
57.5°	34.7
60°	34.0
62.5°	33.2
65°	31.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	30.1
70°	29.3
72.5°	28.6
75°	27.0
77.5°	24.7
80°	21.6
82.5°	17.0
85°	10.8
87.5°	4.6
90°	0.0

(END OF REPORT)