

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: P220800

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220800  
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]-LED5080-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2083.1 lumens  
Efficiency: N/A  
Efficacy: 103.6 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

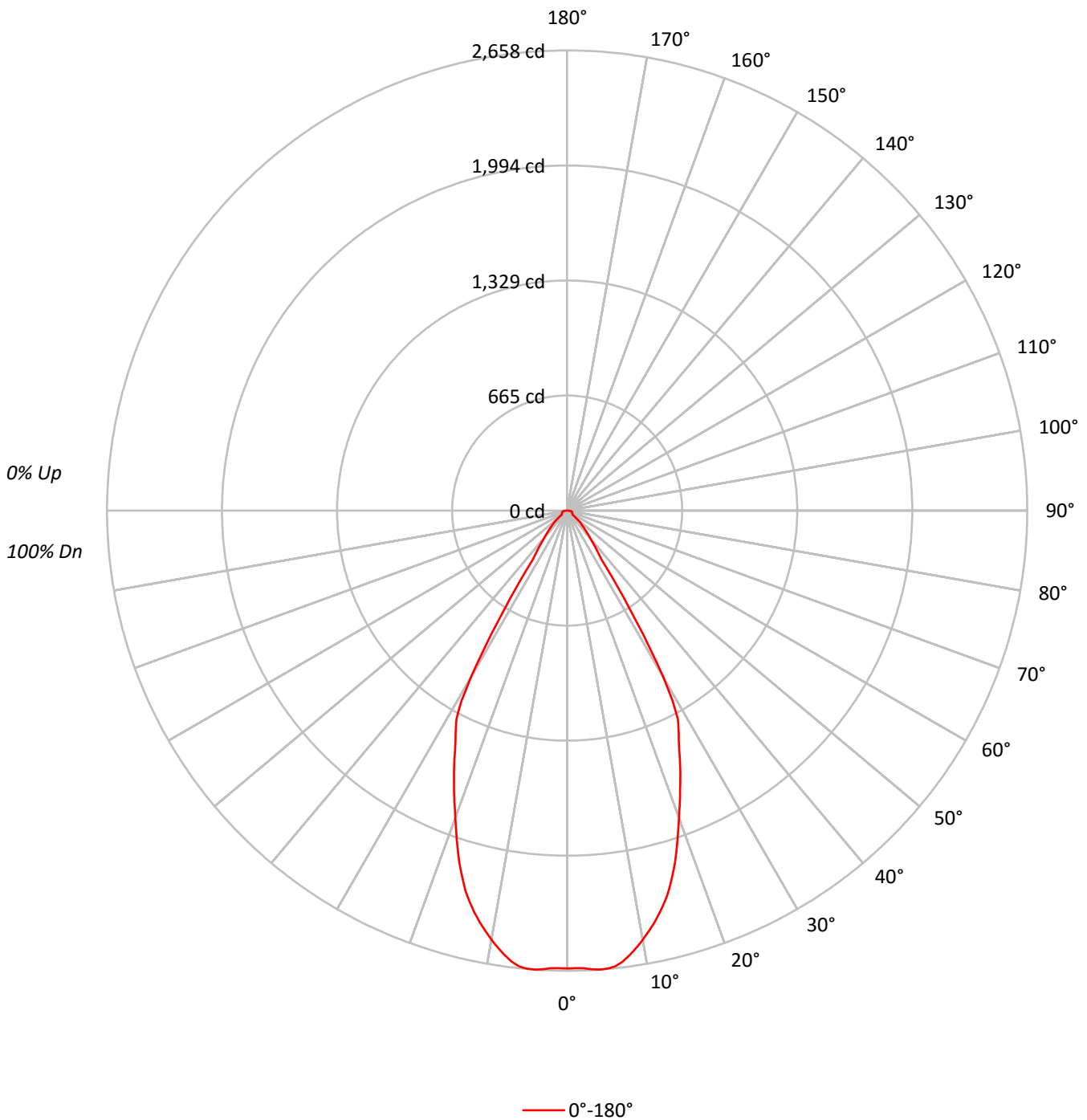
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	326286
5°	328919
10°	315150
15°	289974
20°	247875
25°	208650
30°	157724
35°	52401
40°	33314
45°	22659
50°	13241
55°	7935
60°	8708
65°	9602
70°	10999
75°	13392
80°	15982
85°	15851



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.0	12.0
10°-20°	626.3	30.1
20°-30°	701.5	33.7
30°-40°	293.4	14.1
40°-50°	101.9	4.9
50°-60°	37.0	1.8
60°-70°	32.6	1.6
70°-80°	29.1	1.4
80°-90°	12.2	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°	1576.9	75.7
0°-40°	1870.2	89.8
0°-60°	2009.2	96.5
0°-90°	2083.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2645	
5°	2656	249
15°	2271	626
25°	1533	702
35°	348	293
45°	130	102
55°	37	37
65°	33	33
75°	28	29
85°	11	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2645.3
1°	2642.9
2°	2645.3
3°	2653.3
4°	2658.1
5°	2656.5
6°	2646.9
7°	2626.1
8°	2593.2
9°	2556.3
10°	2516.2
11°	2473.7
12°	2430.4
13°	2381.5
14°	2329.4
15°	2270.8
16°	2201.1
17°	2128.1
18°	2049.5
19°	1967.7
20°	1888.4
21°	1814.6
22°	1743.2
23°	1672.7
24°	1603.7
25°	1533.1
26°	1471.4
27°	1416.9
28°	1360.7
29°	1258.1
30°	1107.4
32.5°	663.9
35°	348.0
37.5°	266.2
40°	206.9
42.5°	161.2
45°	129.9
47.5°	104.2
50°	69.0
52.5°	40.9
55°	36.9
57.5°	36.1
60°	35.3
62.5°	34.5
65°	32.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	31.3
70°	30.5
72.5°	29.7
75°	28.1
77.5°	25.7
80°	22.5
82.5°	17.6
85°	11.2
87.5°	4.8
90°	0.0

(END OF REPORT)