

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: P220445

Luminaire Tested: **9003-W1-[RW, RI]-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W1-[RW, RI]-LED5080-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 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: 1867.9 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

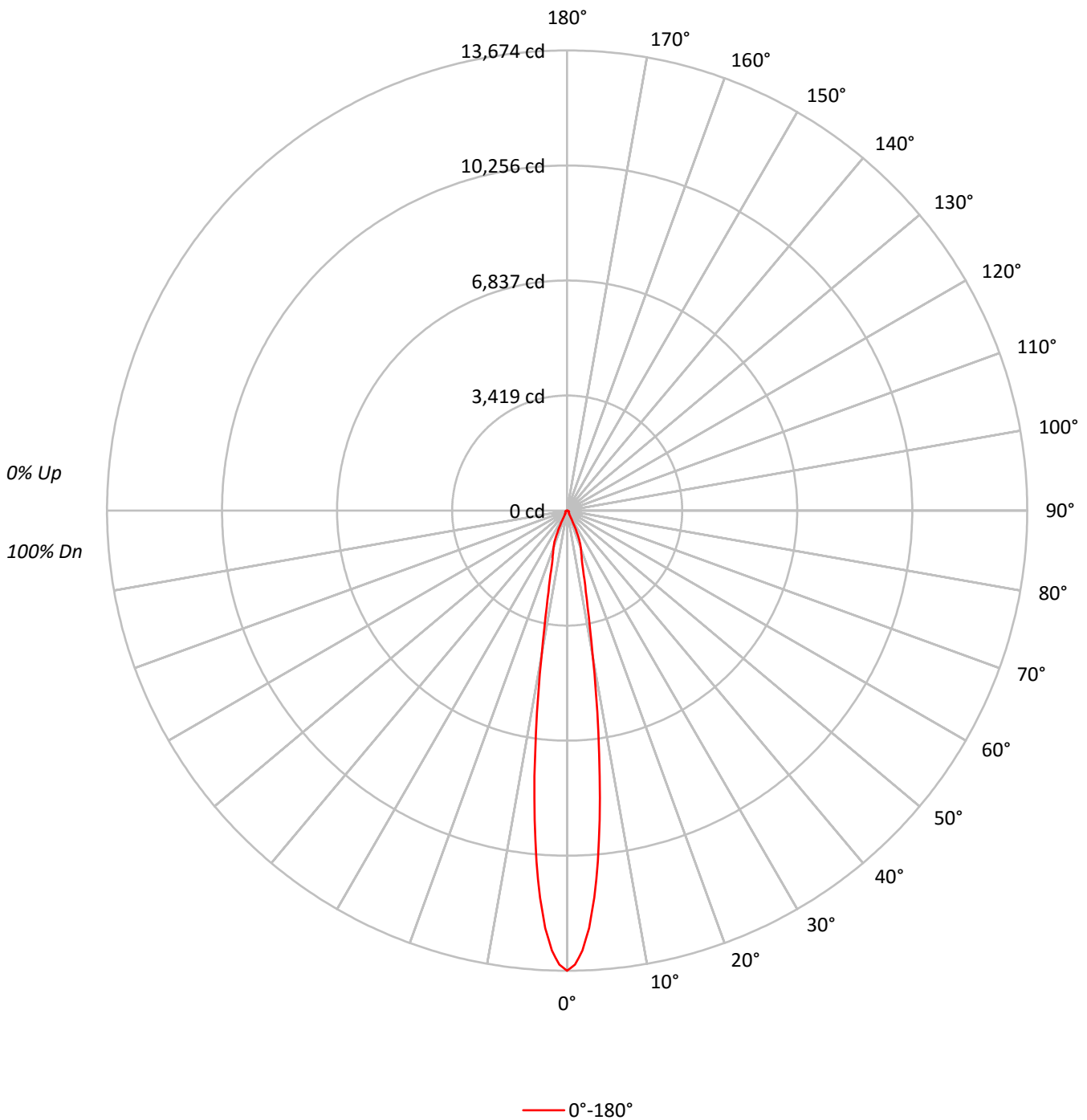
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	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	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	74	72	78	74	72	77	74	71	77	73	71	70

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2998488
5°	2303582
10°	976602
15°	419072
20°	278788
25°	132709
30°	32613
35°	24199
40°	23186
45°	23196
50°	23743
55°	26608
60°	26884
65°	24802
70°	20645
75°	18470
80°	20962
85°	20882



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	788.9	42.2
10°-20°	564.5	30.2
20°-30°	255.3	13.7
30°-40°	60.3	3.2
40°-50°	57.9	3.1
50°-60°	61.0	3.3
60°-70°	47.0	2.5
70°-80°	24.2	1.3
80°-90°	8.8	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°	1608.7	86.1
0°-40°	1669.0	89.4
0°-60°	1787.9	95.7
0°-90°	1867.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13674	
5°	10465	789
15°	1846	565
25°	548	255
35°	90	60
45°	75	58
55°	70	61
65°	48	47
75°	22	24
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13674.2
1°	13495.5
2°	13080.0
3°	12421.3
4°	11535.2
5°	10465.2
6°	9239.4
7°	7955.4
8°	6657.9
9°	5445.6
10°	4386.0
11°	3542.4
12°	2925.4
13°	2472.4
14°	2118.2
15°	1846.0
16°	1626.8
17°	1479.3
18°	1369.2
19°	1273.6
20°	1194.7
22.5°	949.5
25°	548.5
26°	400.0
27°	272.2
28°	180.8
29°	142.3
30°	128.8
32.5°	108.0
35°	90.4
37.5°	84.1
40°	81.0
42.5°	77.9
45°	74.8
47.5°	71.7
50°	69.6
52.5°	69.6
55°	69.6
57.5°	67.5
60°	61.3
62.5°	56.1
65°	47.8
67.5°	39.5
70°	32.2
72.5°	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	21.8
77.5°	19.7
80°	16.6
82.5°	12.5
85°	8.3
87.5°	3.1
90°	0.0

(END OF REPORT)