

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: P220730

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-S-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220730  
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-L3-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: 2743.9 lumens  
Efficiency: N/A  
Efficacy: 95.9 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

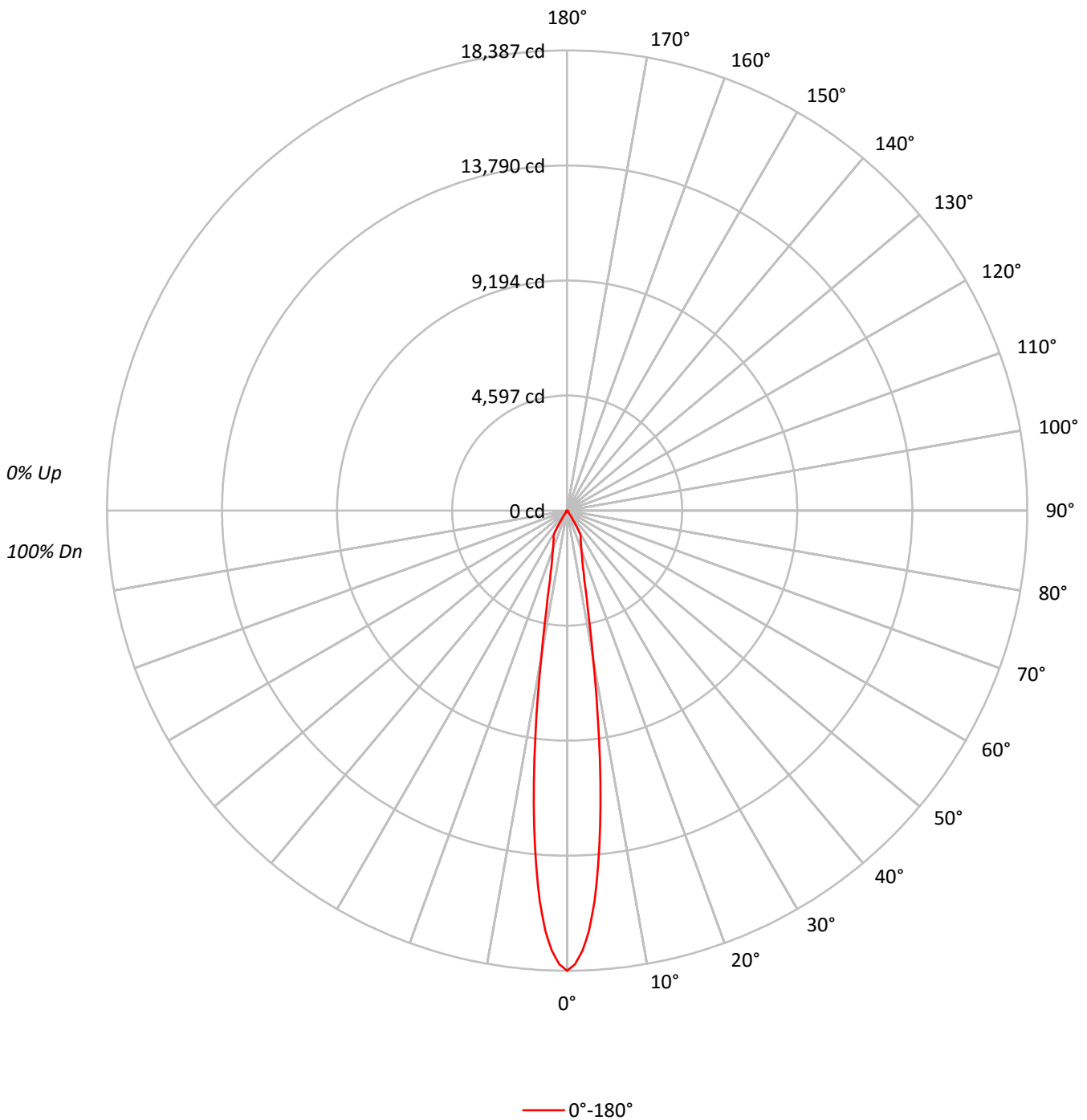
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2267993
5°	1762421
10°	746844
15°	319306
20°	218039
25°	173755
30°	129908
35°	17211
40°	9194
45°	6698
50°	7177
55°	7828
60°	8708
65°	10011
70°	11613
75°	13868
80°	16266
85°	16134



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1074.1	39.1
10°-20°	769.7	28.1
20°-30°	594.0	21.6
30°-40°	164.6	6.0
40°-50°	31.9	1.2
50°-60°	32.6	1.2
60°-70°	33.9	1.2
70°-80°	30.3	1.1
80°-90°	12.7	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°	2437.8	88.8
0°-40°	2602.4	94.8
0°-60°	2666.9	97.2
0°-90°	2743.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2743.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18387	
5°	14234	###
15°	2500	770
25°	1277	594
35°	114	165
45°	38	32
55°	36	33
65°	34	34
75°	29	30
85°	11	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18387.3
1°	18129.7
2°	17595.8
3°	16784.4
4°	15656.3
5°	14234.1
6°	12628.1
7°	10932.7
8°	9097.1
9°	7432.9
10°	5962.9
11°	4804.6
12°	3925.8
13°	3290.0
14°	2840.2
15°	2500.5
16°	2248.0
17°	2059.0
18°	1910.4
19°	1780.6
20°	1661.1
22.5°	1438.8
25°	1276.7
26°	1235.2
27°	1199.9
28°	1157.3
29°	1064.8
30°	912.1
32.5°	438.4
35°	114.3
37.5°	73.8
40°	57.1
42.5°	42.6
45°	38.4
47.5°	37.4
50°	37.4
52.5°	36.4
55°	36.4
57.5°	36.4
60°	35.3
62.5°	35.3
65°	34.3
67.5°	33.2
70°	32.2
72.5°	31.2



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	29.1
77.5°	27.0
80°	22.9
82.5°	18.7
85°	11.4
87.5°	5.2
90°	0.0

(END OF REPORT)