

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: P220834

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29491)  
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-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

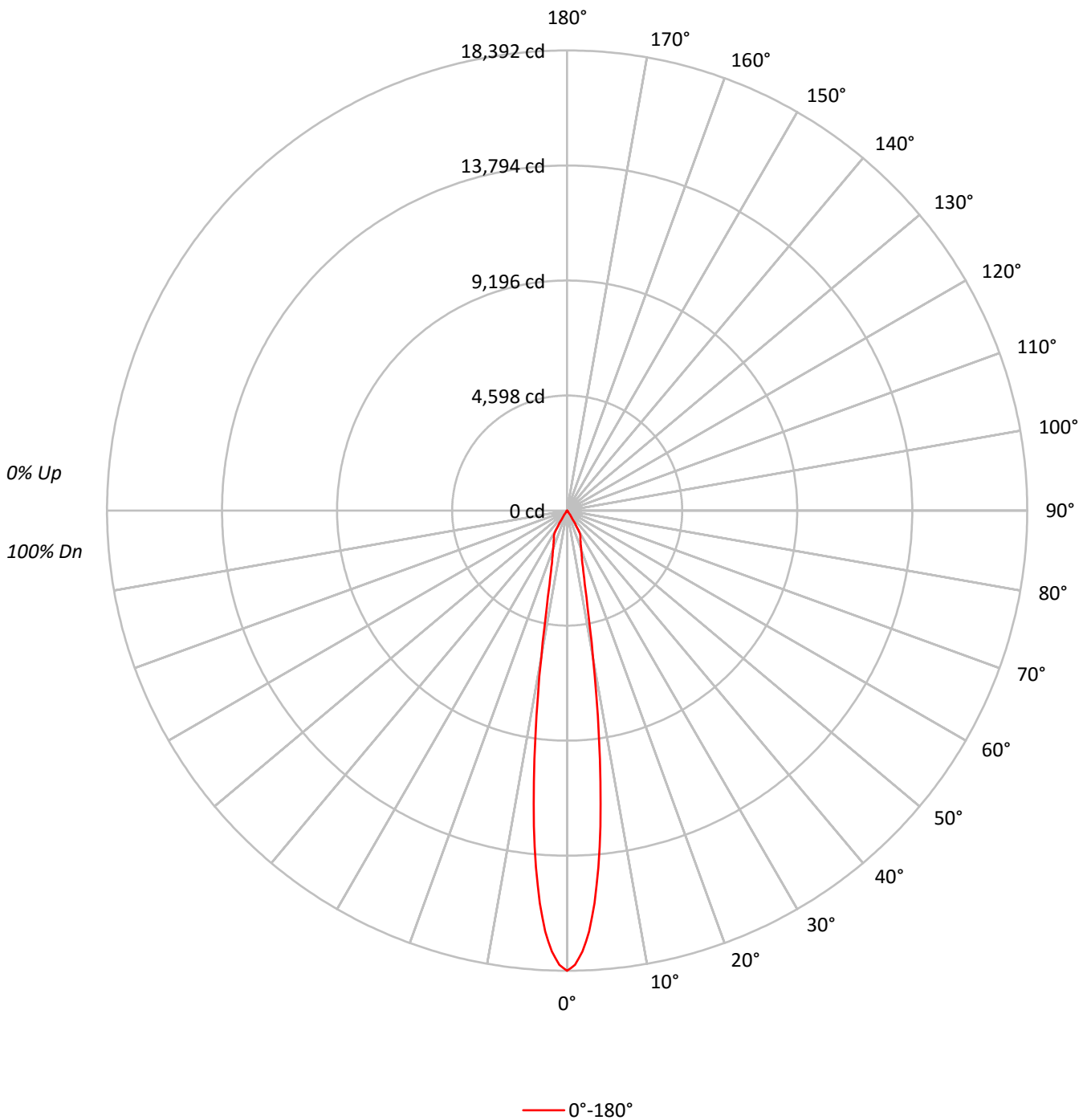
Lumens per Lamp: N/A  
Luminaire Lumens: 2578.3 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.5  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	82	86	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

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

	0°
0°	2268634
5°	1772450
10°	746581
15°	316382
20°	214219
25°	170080
30°	125906
35°	11414
40°	4186
45°	1273
50°	998
55°	1118
60°	765
65°	613
70°	361
75°	477
80°	710
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1077.6	41.8
10°-20°	761.4	29.5
20°-30°	581.4	22.5
30°-40°	142.5	5.5
40°-50°	7.7	0.3
50°-60°	4.2	0.2
60°-70°	2.0	0.1
70°-80°	1.1	0.0
80°-90°	0.4	0.0
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°	2420.4	93.9
0°-40°	2562.9	99.4
0°-60°	2574.8	99.9
0°-90°	2578.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2578.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18392	
5°	14315	###
15°	2478	761
25°	1250	581
35°	76	143
45°	7	8
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18392.5
1°	18156.7
2°	17637.3
3°	16840.5
4°	15724.8
5°	14315.1
6°	12694.5
7°	10914.0
8°	9120.9
9°	7479.6
10°	5960.8
11°	4757.8
12°	3876.9
13°	3253.6
14°	2810.0
15°	2477.6
16°	2222.1
17°	2036.1
18°	1888.6
19°	1750.4
20°	1632.0
22.5°	1407.6
25°	1249.7
26°	1207.1
27°	1171.8
28°	1136.5
29°	1043.0
30°	884.0
32.5°	397.9
35°	75.8
37.5°	41.6
40°	26.0
42.5°	11.4
45°	7.3
47.5°	6.2
50°	5.2
52.5°	5.2
55°	5.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	2.1
67.5°	1.0
70°	1.0
72.5°	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)