

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: P220444

Luminaire Tested: **9003-W1-[RW, RI]-LED3590-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220444
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]-LED3590-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1453.4 lumens
Efficiency: N/A
Efficacy: 72.3 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

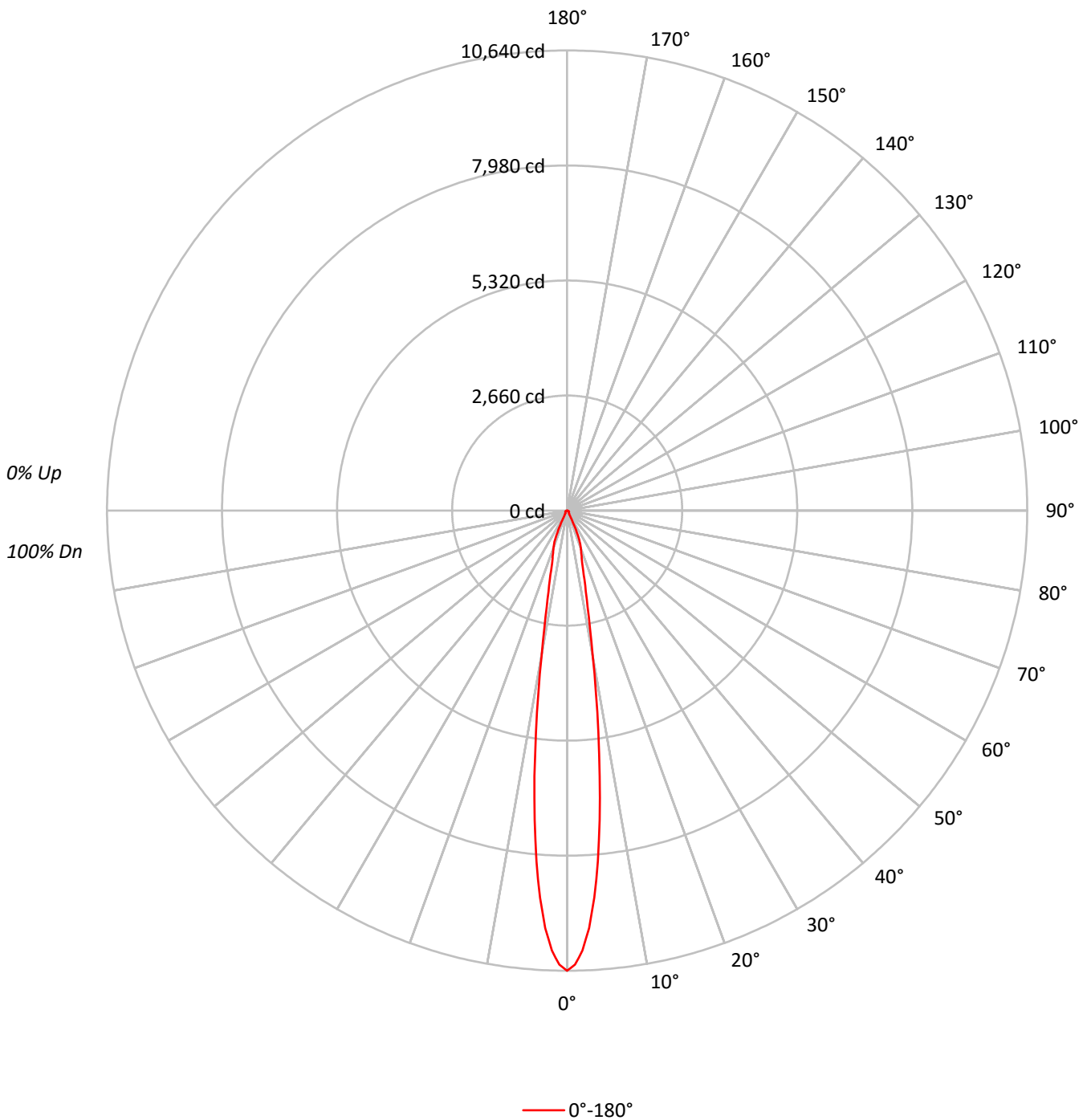
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2333146
5°	1792445
10°	759906
15°	326086
20°	216926
25°	103264
30°	25371
35°	18819
40°	18034
45°	18048
50°	18490
55°	20721
60°	20919
65°	19302
70°	16092
75°	14403
80°	16290
85°	16354



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.9	42.2
10°-20°	439.3	30.2
20°-30°	198.6	13.7
30°-40°	46.9	3.2
40°-50°	45.1	3.1
50°-60°	47.5	3.3
60°-70°	36.6	2.5
70°-80°	18.9	1.3
80°-90°	6.8	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°	1251.8	86.1
0°-40°	1298.7	89.4
0°-60°	1391.2	95.7
0°-90°	1453.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1453.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10640	
5°	8143	614
15°	1436	439
25°	427	199
35°	70	47
45°	58	45
55°	54	47
65°	37	37
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10640.0
1°	10501.0
2°	10177.7
3°	9665.2
4°	8975.7
5°	8143.1
6°	7189.3
7°	6190.2
8°	5180.6
9°	4237.3
10°	3412.8
11°	2756.4
12°	2276.3
13°	1923.8
14°	1648.2
15°	1436.4
16°	1265.8
17°	1151.1
18°	1065.4
19°	991.0
20°	929.6
22.5°	738.8
25°	426.8
26°	311.2
27°	211.8
28°	140.6
29°	110.7
30°	100.2
32.5°	84.1
35°	70.3
37.5°	65.5
40°	63.0
42.5°	60.6
45°	58.2
47.5°	55.8
50°	54.2
52.5°	54.2
55°	54.2
57.5°	52.5
60°	47.7
62.5°	43.6
65°	37.2
67.5°	30.7
70°	25.1
72.5°	20.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	17.0
77.5°	15.4
80°	12.9
82.5°	9.7
85°	6.5
87.5°	2.4
90°	0.0

(END OF REPORT)