

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: P221464

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED3590-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2751.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

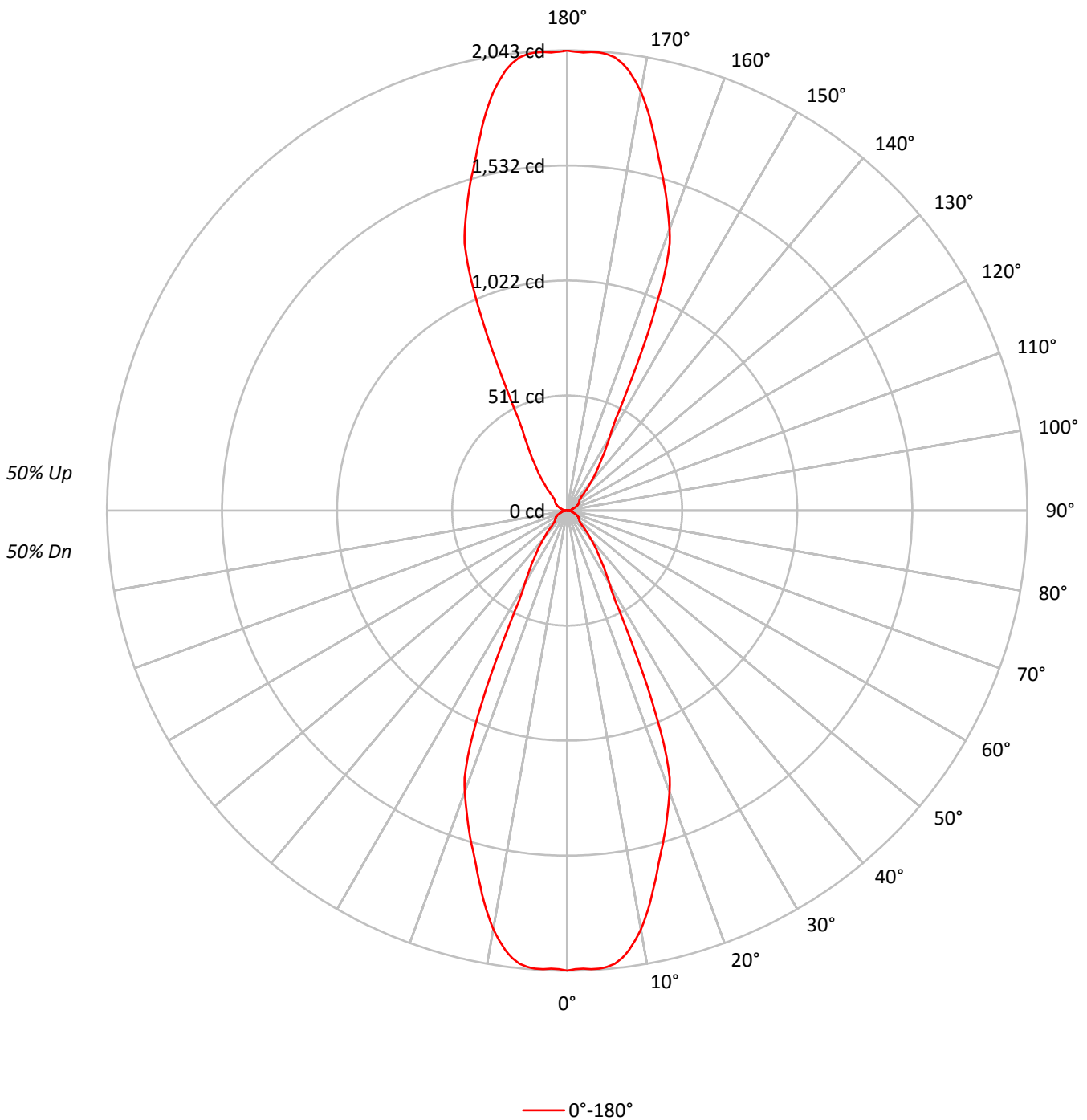
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	74	68	64	64	60	57	55	52	50	46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47	48	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	447903
5°	447677
10°	420077
15°	361319
20°	310290
25°	191067
30°	95382
35°	66870
40°	46516
45°	29833
50°	24255
55°	24735
60°	25173
65°	24335
70°	21734
75°	20503
80°	22478
85°	22392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.6	6.9
10°-20°	445.4	16.2
20°-30°	361.5	13.1
30°-40°	159.9	5.8
40°-50°	80.1	2.9
50°-60°	57.6	2.1
60°-70°	45.7	1.7
70°-80°	26.0	0.9
80°-90°	9.7	0.4
90°-100°	9.7	0.4
100°-110°	26.0	0.9
110°-120°	45.7	1.7
120°-130°	57.6	2.1
130°-140°	80.1	2.9
140°-150°	159.9	5.8
150°-160°	361.5	13.1
160°-170°	445.4	16.2
170°-180°	189.6	6.9
0°-30°	996.5	36.2
0°-40°	1156.4	42.0
0°-60°	1294.2	47.0
0°-90°	1375.5	50.0
90°-120°	81.3	3.0
90°-150°	378.9	13.8
90°-180°	1375.0	50.0
0°-180°	2751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2043	
5°	2034	190
15°	1592	445
25°	790	362
35°	250	160
45°	96	80
55°	65	58
65°	47	46
75°	24	26
85°	9	9
90°	0	1
95°	9	9
105°	24	26
115°	47	46
125°	65	58
135°	96	80
145°	250	160
155°	790	362
165°	1592	445
175°	2034	190
180°	2043	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2042.6
1°	2037.0
2°	2035.4
3°	2038.6
4°	2038.6
5°	2033.8
6°	2023.2
7°	2002.2
8°	1971.5
9°	1931.9
10°	1886.6
11°	1834.1
12°	1775.9
13°	1712.9
14°	1650.6
15°	1591.6
16°	1540.7
17°	1487.3
18°	1434.0
19°	1380.6
20°	1329.7
21°	1270.7
22°	1177.7
23°	1058.1
24°	927.2
25°	789.7
26°	660.4
27°	545.6
28°	458.3
29°	408.2
30°	376.7
32.5°	308.8
35°	249.8
37.5°	206.1
40°	162.5
42.5°	128.5
45°	96.2
47.5°	77.6
50°	71.1
52.5°	67.9
55°	64.7
57.5°	60.6
60°	57.4
62.5°	52.5
65°	46.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	39.6
70°	33.9
72.5°	27.5
75°	24.2
77.5°	21.0
80°	17.8
82.5°	13.7
85°	8.9
87.5°	4.0
90°	0.0
92.5°	4.0
95°	8.9
97.5°	13.7
100°	17.8
102.5°	21.0
105°	24.2
107.5°	27.5
110°	33.9
112.5°	39.6
115°	46.9
117.5°	52.5
120°	57.4
122.5°	60.6
125°	64.7
127.5°	67.9
130°	71.1
132.5°	77.6
135°	96.2
137.5°	128.5
140°	162.5
142.5°	206.1
145°	249.8
147.5°	308.8
150°	376.7
151°	408.2
152°	458.3
153°	545.6
154°	660.4
155°	789.7
156°	927.2
157°	1058.1
158°	1177.7
159°	1270.7
160°	1329.7
161°	1380.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1434.0
163°	1487.3
164°	1540.7
165°	1591.6
166°	1650.6
167°	1712.9
168°	1775.9
169°	1834.1
170°	1886.6
171°	1931.9
172°	1971.5
173°	2002.2
174°	2023.2
175°	2033.8
176°	2038.6
177°	2038.6
178°	2035.4
179°	2037.0
180°	2042.6

(END OF REPORT)