

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: P221460

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221460  
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-W2-[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: 2906.9 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: General Diffuse

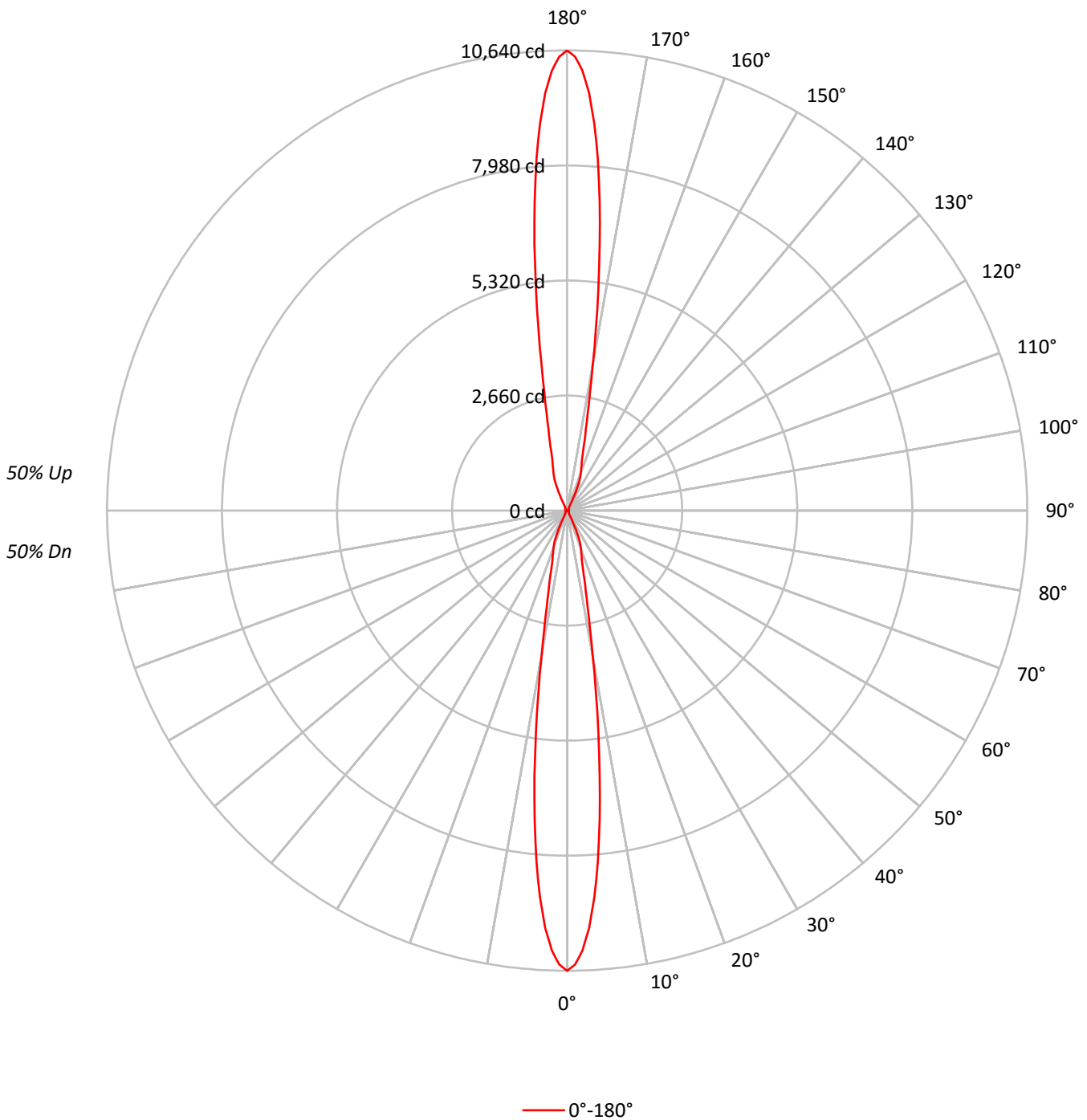
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41	44	41	39	40	38	37	35

**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	21.1
10°-20°	439.3	15.1
20°-30°	198.6	6.8
30°-40°	46.9	1.6
40°-50°	45.1	1.5
50°-60°	47.5	1.6
60°-70°	36.6	1.3
70°-80°	18.9	0.6
80°-90°	6.8	0.2
90°-100°	6.8	0.2
100°-110°	18.9	0.6
110°-120°	36.6	1.3
120°-130°	47.5	1.6
130°-140°	45.1	1.5
140°-150°	46.9	1.6
150°-160°	198.6	6.8
160°-170°	439.3	15.1
170°-180°	613.9	21.1
0°-30°	1251.8	43.1
0°-40°	1298.7	44.7
0°-60°	1391.2	47.9
0°-90°	1453.4	50.0
90°-120°	62.3	2.1
90°-150°	201.7	6.9
90°-180°	1453.0	50.0
0°-180°	2906.9	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	6
90°	0	1
95°	6	6
105°	17	19
115°	37	37
125°	54	47
135°	58	45
145°	70	47
155°	427	199
165°	1436	439
175°	8143	614
180°	10640	



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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
92.5°	2.4
95°	6.5
97.5°	9.7
100°	12.9
102.5°	15.4
105°	17.0
107.5°	20.2
110°	25.1
112.5°	30.7
115°	37.2
117.5°	43.6
120°	47.7
122.5°	52.5
125°	54.2
127.5°	54.2
130°	54.2
132.5°	55.8
135°	58.2
137.5°	60.6
140°	63.0
142.5°	65.5
145°	70.3
147.5°	84.1
150°	100.2
151°	110.7
152°	140.6
153°	211.8
154°	311.2
155°	426.8
157.5°	738.8
160°	929.6
161°	991.0
162°	1065.4
163°	1151.1
164°	1265.8
165°	1436.4
166°	1648.2
167°	1923.8



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	2276.3
169°	2756.4
170°	3412.8
171°	4237.3
172°	5180.6
173°	6190.2
174°	7189.3
175°	8143.1
176°	8975.7
177°	9665.2
178°	10177.7
179°	10501.0
180°	10640.0

(END OF REPORT)