

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: P221459

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221459  
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-L1-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: 1576.4 lumens  
Efficiency: N/A  
Efficacy: 80.4 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

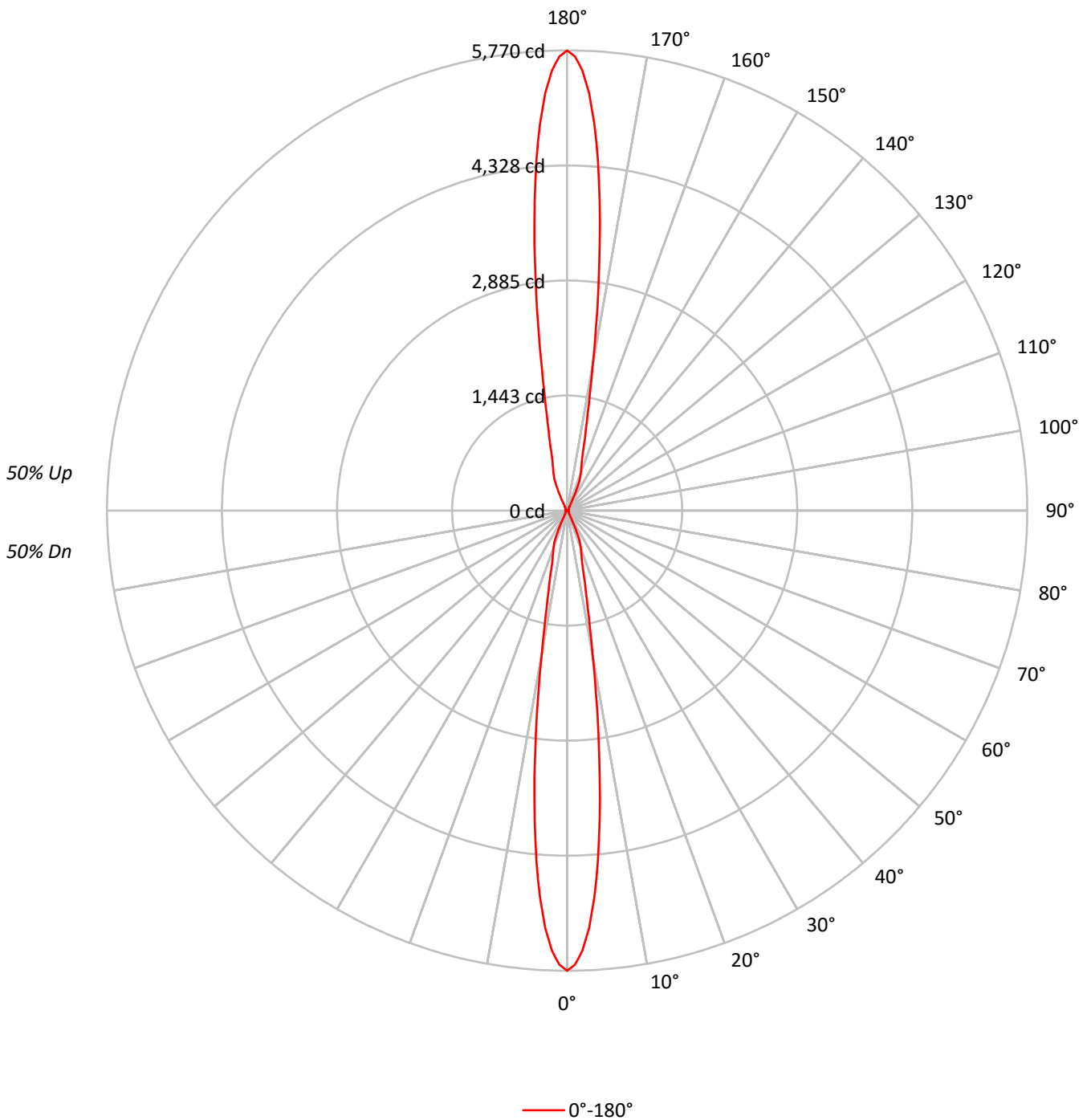
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1265206
5°	971998
10°	412083
15°	176823
20°	117634
25°	55987
30°	13774
35°	10199
40°	9790
45°	9799
50°	10030
55°	11240
60°	11359
65°	10481
70°	8719
75°	7795
80°	8840
85°	8806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.9	21.1
10°-20°	238.2	15.1
20°-30°	107.7	6.8
30°-40°	25.4	1.6
40°-50°	24.4	1.6
50°-60°	25.8	1.6
60°-70°	19.9	1.3
70°-80°	10.2	0.6
80°-90°	3.7	0.2
90°-100°	3.7	0.2
100°-110°	10.2	0.6
110°-120°	19.9	1.3
120°-130°	25.8	1.6
130°-140°	24.4	1.6
140°-150°	25.4	1.6
150°-160°	107.7	6.8
160°-170°	238.2	15.1
170°-180°	332.9	21.1
0°-30°	678.8	43.1
0°-40°	704.2	44.7
0°-60°	754.4	47.9
0°-90°	788.2	50.0
90°-120°	33.8	2.1
90°-150°	109.4	6.9
90°-180°	788.0	50.0
0°-180°	1576.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5770	
5°	4416	333
15°	779	238
25°	231	108
35°	38	25
45°	32	24
55°	29	26
65°	20	20
75°	9	10
85°	4	4
90°	0	0
95°	4	4
105°	9	10
115°	20	20
125°	29	26
135°	32	24
145°	38	25
155°	231	108
165°	779	238
175°	4416	333
180°	5770	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5769.8
1°	5694.4
2°	5519.1
3°	5241.2
4°	4867.3
5°	4415.8
6°	3898.6
7°	3356.8
8°	2809.3
9°	2297.8
10°	1850.7
11°	1494.7
12°	1234.4
13°	1043.2
14°	893.8
15°	778.9
16°	686.4
17°	624.2
18°	577.7
19°	537.4
20°	504.1
22.5°	400.6
25°	231.4
26°	168.8
27°	114.8
28°	76.3
29°	60.1
30°	54.4
32.5°	45.6
35°	38.1
37.5°	35.5
40°	34.2
42.5°	32.9
45°	31.6
47.5°	30.2
50°	29.4
52.5°	29.4
55°	29.4
57.5°	28.5
60°	25.9
62.5°	23.7
65°	20.2
67.5°	16.7
70°	13.6
72.5°	11.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	9.2
77.5°	8.3
80°	7.0
82.5°	5.3
85°	3.5
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.5
97.5°	5.3
100°	7.0
102.5°	8.3
105°	9.2
107.5°	11.0
110°	13.6
112.5°	16.7
115°	20.2
117.5°	23.7
120°	25.9
122.5°	28.5
125°	29.4
127.5°	29.4
130°	29.4
132.5°	30.2
135°	31.6
137.5°	32.9
140°	34.2
142.5°	35.5
145°	38.1
147.5°	45.6
150°	54.4
151°	60.1
152°	76.3
153°	114.8
154°	168.8
155°	231.4
157.5°	400.6
160°	504.1
161°	537.4
162°	577.7
163°	624.2
164°	686.4
165°	778.9
166°	893.8
167°	1043.2



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1234.4
169°	1494.7
170°	1850.7
171°	2297.8
172°	2809.3
173°	3356.8
174°	3898.6
175°	4415.8
176°	4867.3
177°	5241.2
178°	5519.1
179°	5694.4
180°	5769.8

(END OF REPORT)