

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: P221463

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221463  
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-L1-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: 1491.9 lumens  
Efficiency: N/A  
Efficacy: 76.1 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

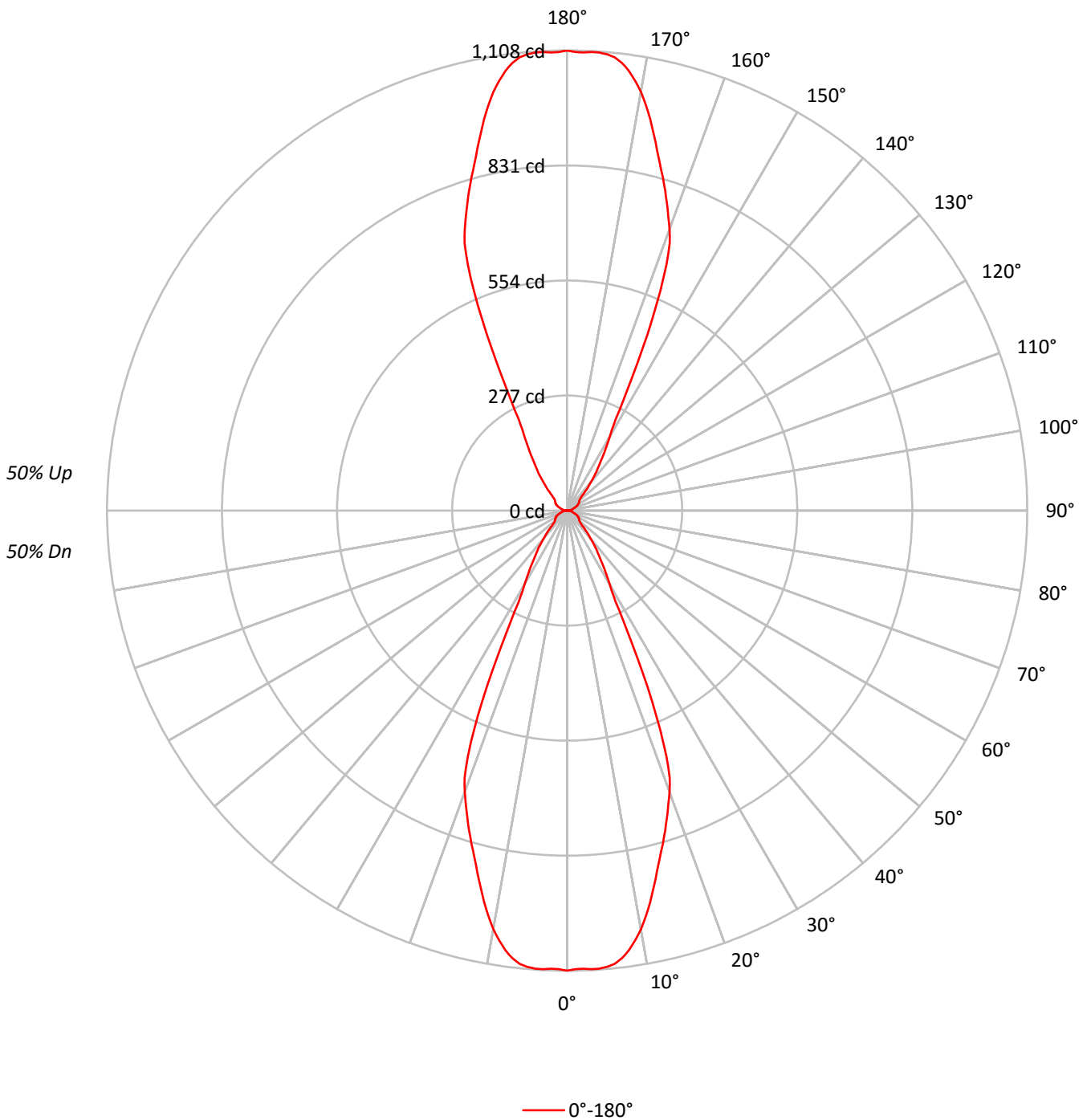
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	73	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°	242897
5°	242768
10°	227807
15°	195938
20°	168271
25°	103627
30°	51729
35°	36246
40°	25219
45°	16188
50°	13168
55°	13419
60°	13639
65°	13179
70°	11797
75°	11184
80°	12123
85°	12077



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	6.9
10°-20°	241.5	16.2
20°-30°	196.0	13.1
30°-40°	86.7	5.8
40°-50°	43.5	2.9
50°-60°	31.3	2.1
60°-70°	24.8	1.7
70°-80°	14.1	0.9
80°-90°	5.3	0.4
90°-100°	5.3	0.4
100°-110°	14.1	0.9
110°-120°	24.8	1.7
120°-130°	31.3	2.1
130°-140°	43.5	2.9
140°-150°	86.7	5.8
150°-160°	196.0	13.1
160°-170°	241.5	16.2
170°-180°	102.8	6.9
0°-30°	540.4	36.2
0°-40°	627.1	42.0
0°-60°	701.8	47.0
0°-90°	746.0	50.0
90°-120°	44.1	3.0
90°-150°	205.5	13.8
90°-180°	746.0	50.0
0°-180°	1491.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1108	
5°	1103	103
15°	863	242
25°	428	196
35°	135	87
45°	52	43
55°	35	31
65°	25	25
75°	13	14
85°	5	5
90°	0	1
95°	5	5
105°	13	14
115°	25	25
125°	35	31
135°	52	43
145°	135	87
155°	428	196
165°	863	242
175°	1103	103
180°	1108	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1107.7
1°	1104.6
2°	1103.7
3°	1105.5
4°	1105.5
5°	1102.9
6°	1097.2
7°	1085.8
8°	1069.1
9°	1047.6
10°	1023.1
11°	994.6
12°	963.0
13°	928.8
14°	895.1
15°	863.1
16°	835.5
17°	806.5
18°	777.6
19°	748.7
20°	721.1
21°	689.1
22°	638.7
23°	573.8
24°	502.8
25°	428.3
26°	358.1
27°	295.9
28°	248.5
29°	221.4
30°	204.3
32.5°	167.4
35°	135.4
37.5°	111.8
40°	88.1
42.5°	69.7
45°	52.2
47.5°	42.1
50°	38.6
52.5°	36.8
55°	35.1
57.5°	32.9
60°	31.1
62.5°	28.5
65°	25.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.5
70°	18.4
72.5°	14.9
75°	13.2
77.5°	11.4
80°	9.6
82.5°	7.5
85°	4.8
87.5°	2.2
90°	0.0
92.5°	2.2
95°	4.8
97.5°	7.5
100°	9.6
102.5°	11.4
105°	13.2
107.5°	14.9
110°	18.4
112.5°	21.5
115°	25.4
117.5°	28.5
120°	31.1
122.5°	32.9
125°	35.1
127.5°	36.8
130°	38.6
132.5°	42.1
135°	52.2
137.5°	69.7
140°	88.1
142.5°	111.8
145°	135.4
147.5°	167.4
150°	204.3
151°	221.4
152°	248.5
153°	295.9
154°	358.1
155°	428.3
156°	502.8
157°	573.8
158°	638.7
159°	689.1
160°	721.1
161°	748.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	777.6
163°	806.5
164°	835.5
165°	863.1
166°	895.1
167°	928.8
168°	963.0
169°	994.6
170°	1023.1
171°	1047.6
172°	1069.1
173°	1085.8
174°	1097.2
175°	1102.9
176°	1105.5
177°	1105.5
178°	1103.7
179°	1104.6
180°	1107.7

(END OF REPORT)