

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: P221455

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221455  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1516.2 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

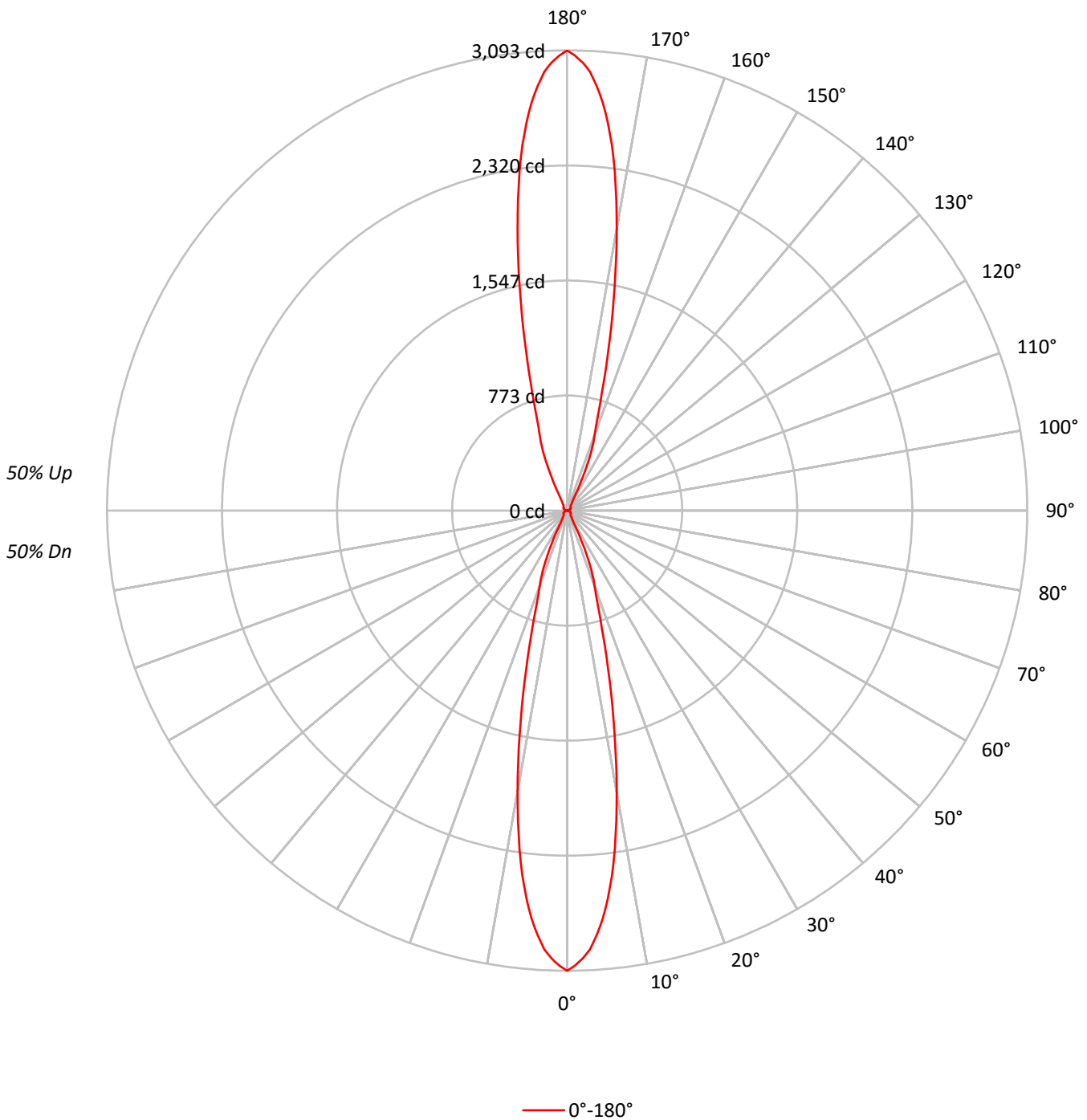
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	678213
5°	605942
10°	427202
15°	232147
20°	125614
25°	59931
30°	17319
35°	11270
40°	10276
45°	10606
50°	11224
55°	11890
60°	11710
65°	11156
70°	9296
75°	8133
80°	9471
85°	8806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.7	15.5
10°-20°	288.6	19.0
20°-30°	115.4	7.6
30°-40°	28.9	1.9
40°-50°	26.6	1.8
50°-60°	27.4	1.8
60°-70°	20.8	1.4
70°-80°	10.8	0.7
80°-90°	3.9	0.3
90°-100°	3.9	0.3
100°-110°	10.8	0.7
110°-120°	20.8	1.4
120°-130°	27.4	1.8
130°-140°	26.6	1.8
140°-150°	28.9	1.9
150°-160°	115.4	7.6
160°-170°	288.6	19.0
170°-180°	235.7	15.5
0°-30°	639.8	42.2
0°-40°	668.7	44.1
0°-60°	722.6	47.7
0°-90°	758.1	50.0
90°-120°	35.5	2.3
90°-150°	118.3	7.8
90°-180°	758.0	50.0
0°-180°	1516.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3093	
5°	2753	236
15°	1023	289
25°	248	115
35°	42	29
45°	34	27
55°	31	27
65°	22	21
75°	10	11
85°	4	4
90°	0	0
95°	4	4
105°	10	11
115°	22	21
125°	31	27
135°	34	27
145°	42	29
155°	248	115
165°	1023	289
175°	2753	236
180°	3093	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3092.9
1°	3058.7
2°	3012.7
3°	2952.6
4°	2858.8
5°	2752.8
6°	2619.9
7°	2472.7
8°	2299.1
9°	2109.7
10°	1918.6
11°	1724.0
12°	1532.4
13°	1353.6
14°	1180.9
15°	1022.6
16°	879.3
17°	762.7
18°	667.6
19°	593.5
20°	538.3
21°	491.8
22°	438.8
23°	377.8
24°	312.1
25°	247.7
26°	185.4
27°	132.4
28°	93.4
29°	75.4
30°	68.4
32.5°	54.8
35°	42.1
37.5°	37.7
40°	35.9
42.5°	35.1
45°	34.2
47.5°	33.8
50°	32.9
52.5°	32.4
55°	31.1
57.5°	28.9
60°	26.7
62.5°	24.5
65°	21.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	17.5
70°	14.5
72.5°	11.4
75°	9.6
77.5°	8.8
80°	7.5
82.5°	5.3
85°	3.5
87.5°	1.8
90°	0.0
92.5°	1.8
95°	3.5
97.5°	5.3
100°	7.5
102.5°	8.8
105°	9.6
107.5°	11.4
110°	14.5
112.5°	17.5
115°	21.5
117.5°	24.5
120°	26.7
122.5°	28.9
125°	31.1
127.5°	32.4
130°	32.9
132.5°	33.8
135°	34.2
137.5°	35.1
140°	35.9
142.5°	37.7
145°	42.1
147.5°	54.8
150°	68.4
151°	75.4
152°	93.4
153°	132.4
154°	185.4
155°	247.7
156°	312.1
157°	377.8
158°	438.8
159°	491.8
160°	538.3
161°	593.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	667.6
163°	762.7
164°	879.3
165°	1022.6
166°	1180.9
167°	1353.6
168°	1532.4
169°	1724.0
170°	1918.6
171°	2109.7
172°	2299.1
173°	2472.7
174°	2619.9
175°	2752.8
176°	2858.8
177°	2952.6
178°	3012.7
179°	3058.7
180°	3092.9

(END OF REPORT)