

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: P221456

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221456  
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-L2-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: 2795.7 lumens  
Efficiency: N/A  
Efficacy: 69.5 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

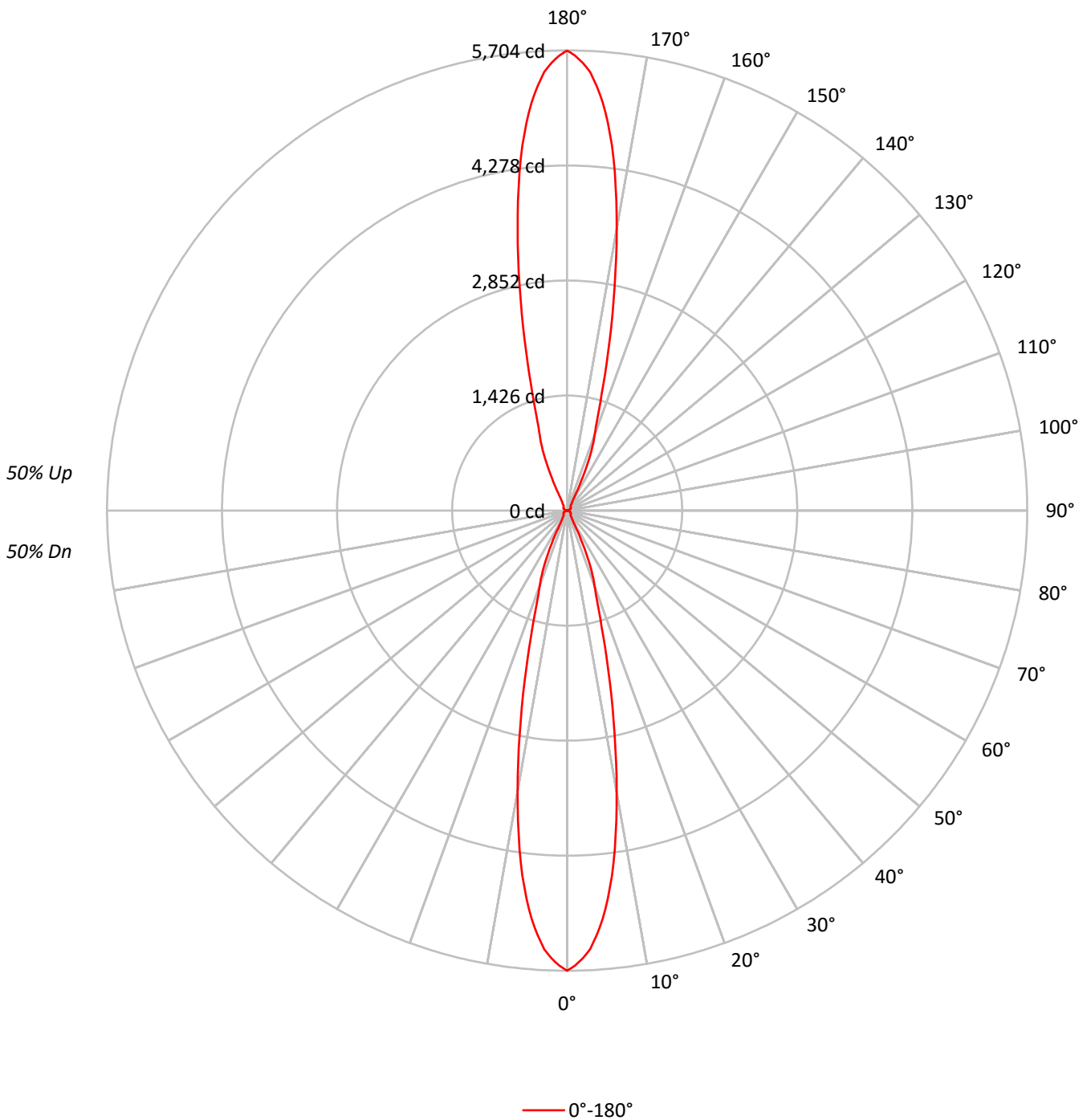
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1250689
5°	1117386
10°	787805
15°	428107
20°	231627
25°	110498
30°	31929
35°	20773
40°	18978
45°	19537
50°	20673
55°	21944
60°	21621
65°	20547
70°	17118
75°	15081
80°	17300
85°	16354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.6	15.5
10°-20°	532.2	19.0
20°-30°	212.9	7.6
30°-40°	53.3	1.9
40°-50°	49.0	1.8
50°-60°	50.5	1.8
60°-70°	38.4	1.4
70°-80°	19.8	0.7
80°-90°	7.1	0.3
90°-100°	7.1	0.3
100°-110°	19.8	0.7
110°-120°	38.4	1.4
120°-130°	50.5	1.8
130°-140°	49.0	1.8
140°-150°	53.3	1.9
150°-160°	212.9	7.6
160°-170°	532.2	19.0
170°-180°	434.6	15.5
0°-30°	1179.7	42.2
0°-40°	1233.1	44.1
0°-60°	1332.5	47.7
0°-90°	1397.9	50.0
90°-120°	65.3	2.3
90°-150°	218.1	7.8
90°-180°	1398.0	50.0
0°-180°	2795.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5704	
5°	5076	435
15°	1886	532
25°	457	213
35°	78	53
45°	63	49
55°	57	50
65°	40	38
75°	18	20
85°	6	7
90°	0	1
95°	6	7
105°	18	20
115°	40	38
125°	57	50
135°	63	49
145°	78	53
155°	457	213
165°	1886	532
175°	5076	435
180°	5704	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5703.6
1°	5640.5
2°	5555.6
3°	5444.9
4°	5271.9
5°	5076.3
6°	4831.4
7°	4559.8
8°	4239.7
9°	3890.5
10°	3538.1
11°	3179.2
12°	2825.9
13°	2496.1
14°	2177.6
15°	1885.8
16°	1621.5
17°	1406.5
18°	1231.1
19°	1094.5
20°	992.6
21°	906.9
22°	809.1
23°	696.8
24°	575.5
25°	456.7
26°	341.9
27°	244.1
28°	172.2
29°	139.0
30°	126.1
32.5°	101.0
35°	77.6
37.5°	69.5
40°	66.3
42.5°	64.7
45°	63.0
47.5°	62.2
50°	60.6
52.5°	59.8
55°	57.4
57.5°	53.3
60°	49.3
62.5°	45.3
65°	39.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	32.3
70°	26.7
72.5°	21.0
75°	17.8
77.5°	16.2
80°	13.7
82.5°	9.7
85°	6.5
87.5°	3.2
90°	0.0
92.5°	3.2
95°	6.5
97.5°	9.7
100°	13.7
102.5°	16.2
105°	17.8
107.5°	21.0
110°	26.7
112.5°	32.3
115°	39.6
117.5°	45.3
120°	49.3
122.5°	53.3
125°	57.4
127.5°	59.8
130°	60.6
132.5°	62.2
135°	63.0
137.5°	64.7
140°	66.3
142.5°	69.5
145°	77.6
147.5°	101.0
150°	126.1
151°	139.0
152°	172.2
153°	244.1
154°	341.9
155°	456.7
156°	575.5
157°	696.8
158°	809.1
159°	906.9
160°	992.6
161°	1094.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1231.1
163°	1406.5
164°	1621.5
165°	1885.8
166°	2177.6
167°	2496.1
168°	2825.9
169°	3179.2
170°	3538.1
171°	3890.5
172°	4239.7
173°	4559.8
174°	4831.4
175°	5076.3
176°	5271.9
177°	5444.9
178°	5555.6
179°	5640.5
180°	5703.6

(END OF REPORT)