

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: P221478

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221478  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-LED3597-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2190.9 lumens  
Efficiency: N/A  
Efficacy: 54.5 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

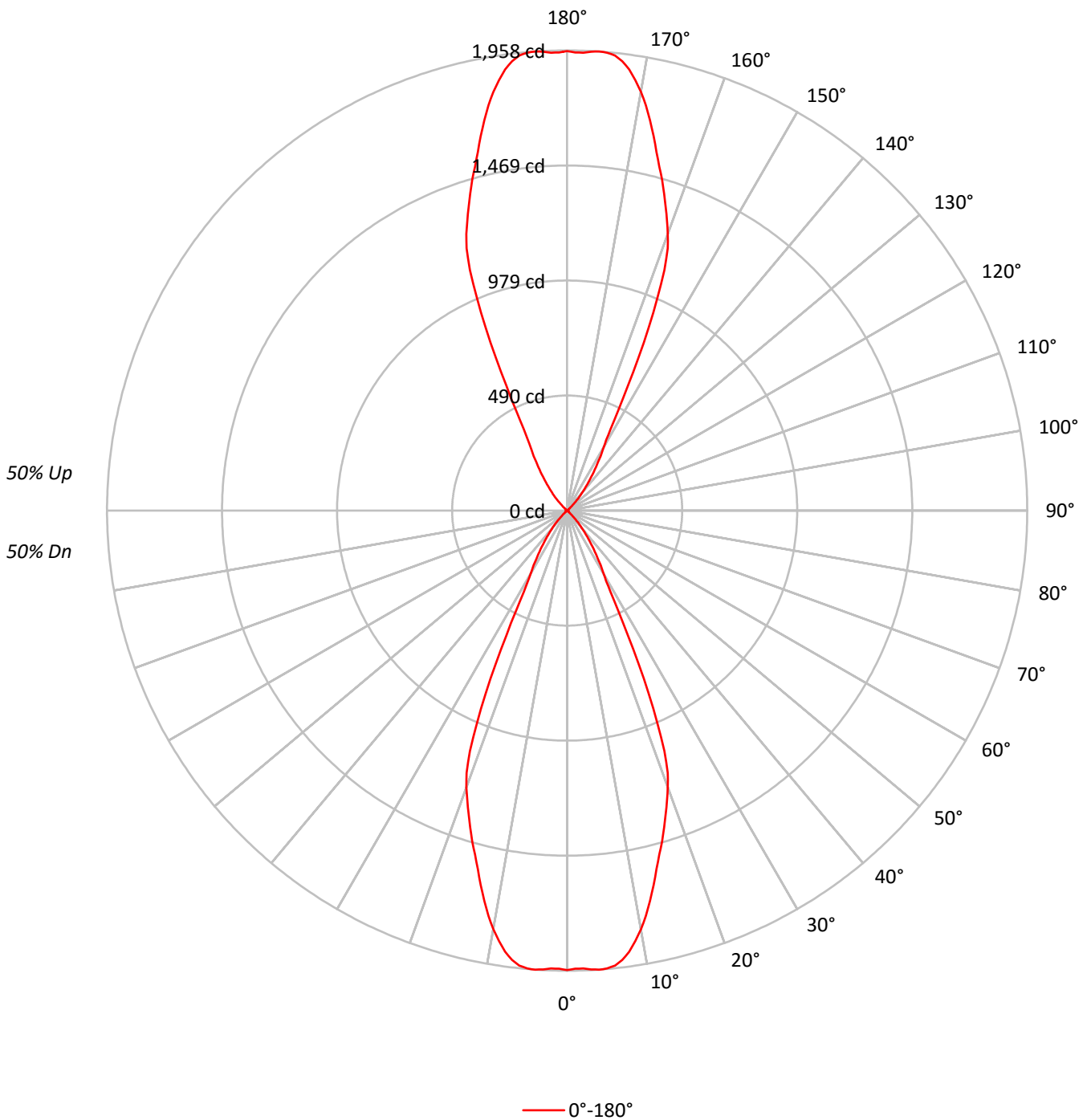
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	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	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

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

	0°
0°	428716
5°	430529
10°	402709
15°	344066
20°	292392
25°	173768
30°	79050
35°	50139
40°	28425
45°	10420
50°	3275
55°	2447
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	8.3
10°-20°	423.6	19.3
20°-30°	328.9	15.0
30°-40°	119.9	5.5
40°-50°	31.7	1.4
50°-60°	5.9	0.3
60°-70°	2.7	0.1
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.7	0.1
120°-130°	5.9	0.3
130°-140°	31.7	1.4
140°-150°	119.9	5.5
150°-160°	328.9	15.0
160°-170°	423.6	19.3
170°-180°	182.2	8.3
0°-30°	934.6	42.7
0°-40°	1054.5	48.1
0°-60°	1092.1	49.8
0°-90°	1095.5	50.0
90°-120°	3.4	0.2
90°-150°	160.9	7.3
90°-180°	1095.0	50.0
0°-180°	2190.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1955	
5°	1956	182
15°	1516	424
25°	718	329
35°	187	120
45°	34	32
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	6	6
135°	34	32
145°	187	120
155°	718	329
165°	1516	424
175°	1956	182
180°	1955	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1955.1
1°	1949.5
2°	1949.5
3°	1955.1
4°	1958.3
5°	1955.9
6°	1946.3
7°	1926.3
8°	1895.1
9°	1854.2
10°	1808.6
11°	1755.8
12°	1697.3
13°	1635.7
14°	1572.4
15°	1515.6
16°	1464.3
17°	1409.9
18°	1357.8
19°	1305.0
20°	1253.0
21°	1195.3
22°	1104.1
23°	984.0
24°	853.5
25°	718.2
26°	590.9
27°	477.2
28°	391.5
29°	342.7
30°	312.2
32.5°	245.8
35°	187.3
37.5°	140.9
40°	99.3
42.5°	65.7
45°	33.6
47.5°	15.2
50°	9.6
52.5°	7.2
55°	6.4
57.5°	5.6
60°	4.8
62.5°	3.2
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	2.4
115°	2.4
117.5°	3.2
120°	4.8
122.5°	5.6
125°	6.4
127.5°	7.2
130°	9.6
132.5°	15.2
135°	33.6
137.5°	65.7
140°	99.3
142.5°	140.9
145°	187.3
147.5°	245.8
150°	312.2
151°	342.7
152°	391.5
153°	477.2
154°	590.9
155°	718.2
156°	853.5
157°	984.0
158°	1104.1
159°	1195.3
160°	1253.0
161°	1305.0



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1357.8
163°	1409.9
164°	1464.3
165°	1515.6
166°	1572.4
167°	1635.7
168°	1697.3
169°	1755.8
170°	1808.6
171°	1854.2
172°	1895.1
173°	1926.3
174°	1946.3
175°	1955.9
176°	1958.3
177°	1955.1
178°	1949.5
179°	1949.5
180°	1955.1

(END OF REPORT)