

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: P221642

Luminaire Tested: **9003-W2-FL-LED3597-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED3597-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2721.7 lumens  
Efficiency: N/A  
Efficacy: 67.7 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

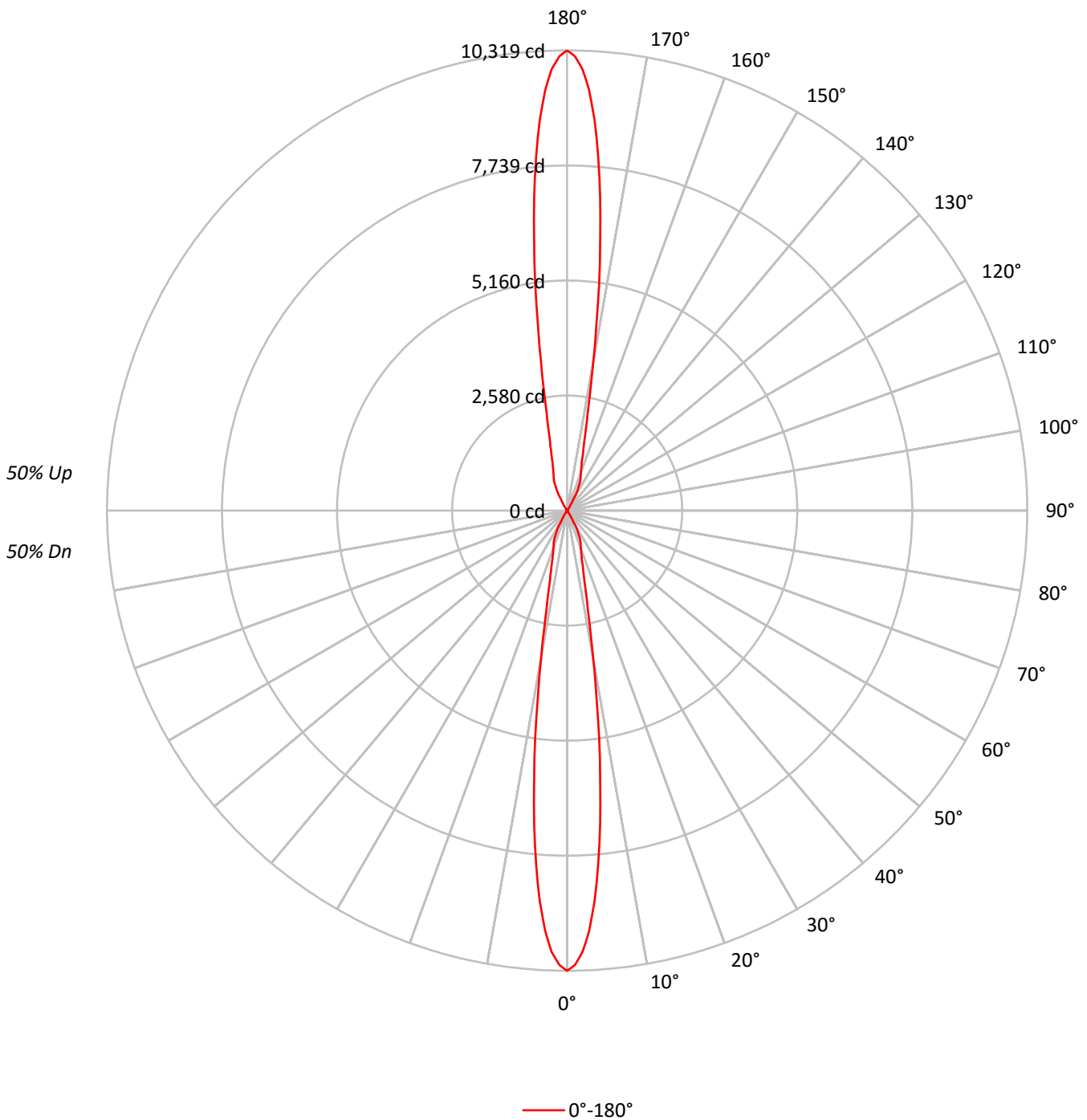
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	87	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	70	68	66	63		60	58	56		51	50	49	45
4	85	78	72	68	80	73	69	65	65	61	59		57	55	53		50	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		55	52	50		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	52		53	50	48		47	45	44	42
7	74	65	59	55	69	62	57	53	56	52	50		51	48	46		46	44	43	41
8	70	62	56	52	66	59	54	51	54	50	48		49	46	45		44	43	42	40
9	68	59	53	50	64	56	52	48	52	48	46		47	45	43		43	42	40	39
10	65	56	51	48	62	54	49	46	50	46	44		46	43	42		42	41	39	38

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

	0°
0°	2262779
5°	1756830
10°	750509
15°	317346
20°	210368
25°	157678
30°	60414
35°	9209
40°	5038
45°	2233
50°	1637
55°	1529
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.2	22.2
10°-20°	427.4	15.7
20°-30°	275.5	10.1
30°-40°	39.7	1.5
40°-50°	6.2	0.2
50°-60°	3.8	0.1
60°-70°	3.0	0.1
70°-80°	1.5	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.5	0.1
110°-120°	3.0	0.1
120°-130°	3.8	0.1
130°-140°	6.2	0.2
140°-150°	39.7	1.5
150°-160°	275.5	10.1
160°-170°	427.4	15.7
170°-180°	603.2	22.2
0°-30°	1306.1	48.0
0°-40°	1345.8	49.4
0°-60°	1355.9	49.8
0°-90°	1360.8	50.0
90°-120°	5.0	0.2
90°-150°	54.8	2.0
90°-180°	1361.0	50.0
0°-180°	2721.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10319	
5°	7981	603
15°	1398	427
25°	652	275
35°	34	40
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	0
95°	1	1
105°	2	1
115°	3	3
125°	4	4
135°	7	6
145°	34	40
155°	652	275
165°	1398	427
175°	7981	603
180°	10319	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10319.1
1°	10190.2
2°	9905.2
3°	9436.8
4°	8785.1
5°	7981.3
6°	7057.4
7°	6092.7
8°	5138.3
9°	4195.2
10°	3370.6
11°	2697.3
12°	2212.1
13°	1857.4
14°	1594.0
15°	1397.9
16°	1236.1
17°	1118.5
18°	1034.4
19°	960.7
20°	901.5
21°	850.3
22°	805.4
23°	763.8
24°	715.7
25°	651.7
26°	576.4
27°	495.6
28°	407.5
29°	320.2
30°	238.6
32.5°	79.3
35°	34.4
37.5°	24.8
40°	17.6
42.5°	8.8
45°	7.2
47.5°	5.6
50°	4.8
52.5°	4.8
55°	4.0
57.5°	4.0
60°	4.0
62.5°	3.2
65°	3.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	2.4
112.5°	2.4
115°	3.2
117.5°	3.2
120°	4.0
122.5°	4.0
125°	4.0
127.5°	4.8
130°	4.8
132.5°	5.6
135°	7.2
137.5°	8.8
140°	17.6
142.5°	24.8
145°	34.4
147.5°	79.3
150°	238.6
151°	320.2
152°	407.5
153°	495.6
154°	576.4
155°	651.7
156°	715.7
157°	763.8
158°	805.4
159°	850.3
160°	901.5
161°	960.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1034.4
163°	1118.5
164°	1236.1
165°	1397.9
166°	1594.0
167°	1857.4
168°	2212.1
169°	2697.3
170°	3370.6
171°	4195.2
172°	5138.3
173°	6092.7
174°	7057.4
175°	7981.3
176°	8785.1
177°	9436.8
178°	9905.2
179°	10190.2
180°	10319.1

(END OF REPORT)