

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: P221582

Luminaire Tested: **9003-W2-FL-LED2797-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED2797-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2279.0 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

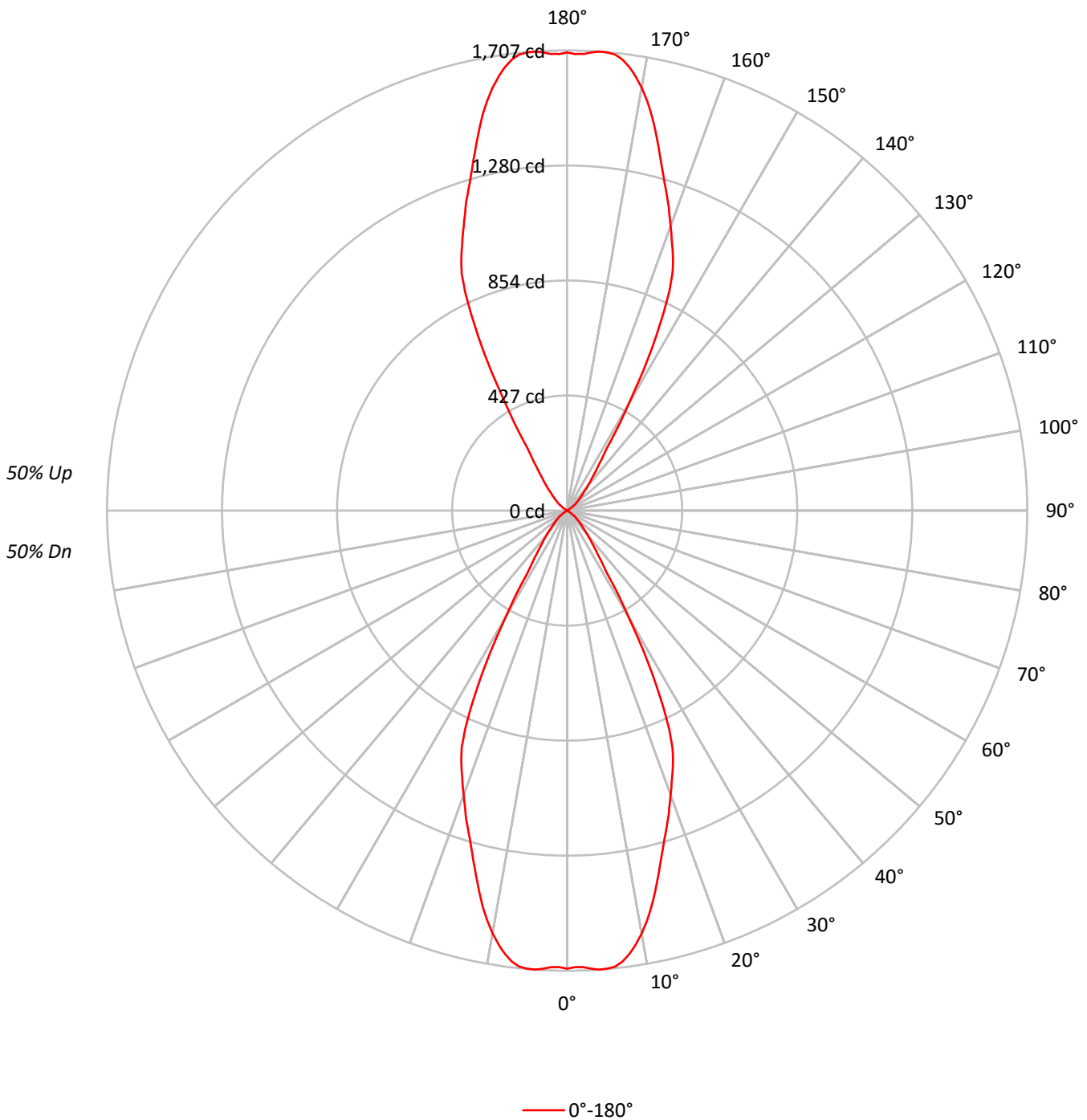
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

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

	0°
0°	372602
5°	375412
10°	354681
15°	305110
20°	261893
25°	216714
30°	115613
35°	52602
40°	33634
45°	22111
50°	15522
55°	7761
60°	1842
65°	1816
70°	1795
75°	1186
80°	884
85°	1761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	7.0
10°-20°	375.8	16.5
20°-30°	384.1	16.9
30°-40°	139.1	6.1
40°-50°	57.3	2.5
50°-60°	18.5	0.8
60°-70°	3.3	0.1
70°-80°	1.6	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.6	0.1
110°-120°	3.3	0.1
120°-130°	18.5	0.8
130°-140°	57.3	2.5
140°-150°	139.1	6.1
150°-160°	384.1	16.9
160°-170°	375.8	16.5
170°-180°	159.4	7.0
0°-30°	919.3	40.3
0°-40°	1058.4	46.4
0°-60°	1134.2	49.8
0°-90°	1139.5	50.0
90°-120°	5.3	0.2
90°-150°	220.2	9.7
90°-180°	1140.0	50.0
0°-180°	2279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1699	
5°	1706	159
15°	1344	376
25°	896	384
35°	196	139
45°	71	57
55°	20	19
65°	4	3
75°	1	2
85°	1	0
90°	0	0
95°	1	0
105°	1	2
115°	4	3
125°	20	19
135°	71	57
145°	196	139
155°	896	384
165°	1344	376
175°	1706	159
180°	1699	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1699.2
1°	1694.3
2°	1695.0
3°	1701.3
4°	1706.9
5°	1705.5
6°	1700.6
7°	1685.2
8°	1660.7
9°	1628.5
10°	1592.9
11°	1550.2
12°	1503.4
13°	1450.9
14°	1396.4
15°	1344.0
16°	1293.6
17°	1249.6
18°	1209.0
19°	1164.2
20°	1122.3
21°	1082.4
22°	1043.3
23°	1005.5
24°	960.8
25°	895.7
26°	816.0
27°	729.3
28°	637.7
29°	545.4
30°	456.6
32.5°	274.1
35°	196.5
37.5°	151.7
40°	117.5
42.5°	89.5
45°	71.3
47.5°	57.3
50°	45.5
52.5°	33.6
55°	20.3
57.5°	5.6
60°	4.2
62.5°	3.5
65°	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.8
70°	2.8
72.5°	2.1
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	2.1
110°	2.8
112.5°	2.8
115°	3.5
117.5°	3.5
120°	4.2
122.5°	5.6
125°	20.3
127.5°	33.6
130°	45.5
132.5°	57.3
135°	71.3
137.5°	89.5
140°	117.5
142.5°	151.7
145°	196.5
147.5°	274.1
150°	456.6
151°	545.4
152°	637.7
153°	729.3
154°	816.0
155°	895.7
156°	960.8
157°	1005.5
158°	1043.3
159°	1082.4
160°	1122.3
161°	1164.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1209.0
163°	1249.6
164°	1293.6
165°	1344.0
166°	1396.4
167°	1450.9
168°	1503.4
169°	1550.2
170°	1592.9
171°	1628.5
172°	1660.7
173°	1685.2
174°	1700.6
175°	1705.5
176°	1706.9
177°	1701.3
178°	1695.0
179°	1694.3
180°	1699.2

(END OF REPORT)