

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: P221566

Luminaire Tested: **9003-W2-FL-LED2790-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221566  
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-LED2790-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2459.0 lumens  
Efficiency: N/A  
Efficacy: 61.2 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

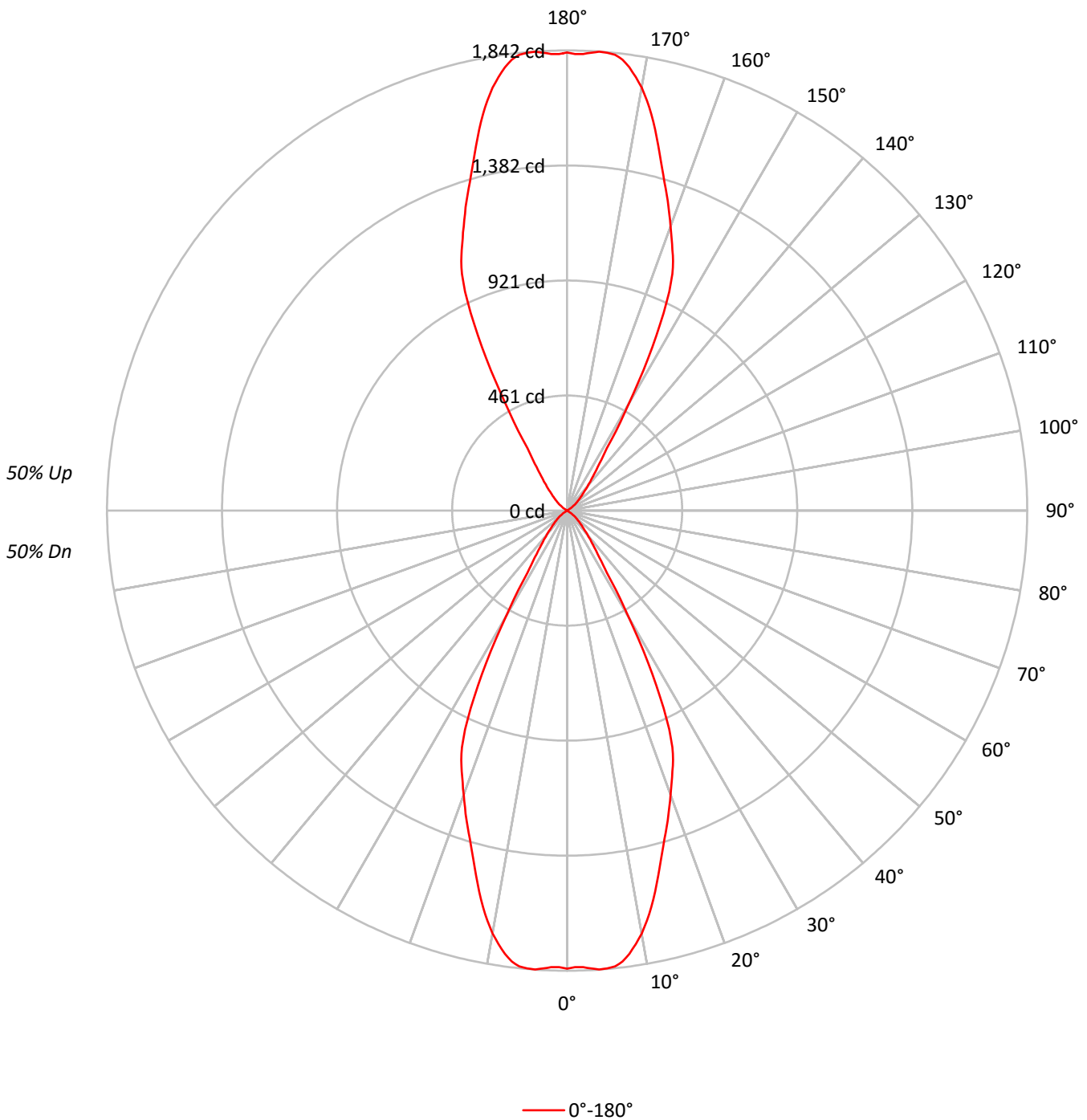
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	402007
5°	405040
10°	382669
15°	329173
20°	282568
25°	233820
30°	124728
35°	56751
40°	36268
45°	23878
50°	16716
55°	8372
60°	1974
65°	1972
70°	1923
75°	1271
80°	1010
85°	2013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.9	7.0
10°-20°	405.5	16.5
20°-30°	414.4	16.9
30°-40°	150.1	6.1
40°-50°	61.8	2.5
50°-60°	19.9	0.8
60°-70°	3.6	0.1
70°-80°	1.7	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.7	0.1
110°-120°	3.6	0.1
120°-130°	19.9	0.8
130°-140°	61.8	2.5
140°-150°	150.1	6.1
150°-160°	414.4	16.9
160°-170°	405.5	16.5
170°-180°	171.9	7.0
0°-30°	991.8	40.3
0°-40°	1141.9	46.4
0°-60°	1223.7	49.8
0°-90°	1229.5	50.0
90°-120°	5.8	0.2
90°-150°	237.6	9.7
90°-180°	1229.0	50.0
0°-180°	2459.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1833	
5°	1840	172
15°	1450	406
25°	966	414
35°	212	150
45°	77	62
55°	22	20
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	22	20
135°	77	62
145°	212	150
155°	966	414
165°	1450	406
175°	1840	172
180°	1833	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1833.3
1°	1828.0
2°	1828.8
3°	1835.5
4°	1841.6
5°	1840.1
6°	1834.8
7°	1818.2
8°	1791.8
9°	1757.1
10°	1718.6
11°	1672.6
12°	1622.0
13°	1565.5
14°	1506.6
15°	1450.0
16°	1395.7
17°	1348.2
18°	1304.4
19°	1256.1
20°	1210.9
21°	1167.9
22°	1125.6
23°	1084.9
24°	1036.6
25°	966.4
26°	880.4
27°	786.9
28°	688.0
29°	588.5
30°	492.6
32.5°	295.7
35°	212.0
37.5°	163.7
40°	126.7
42.5°	96.6
45°	77.0
47.5°	61.9
50°	49.0
52.5°	36.2
55°	21.9
57.5°	6.0
60°	4.5
62.5°	3.8
65°	3.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.0
70°	3.0
72.5°	2.3
75°	1.5
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°	1.5
107.5°	2.3
110°	3.0
112.5°	3.0
115°	3.8
117.5°	3.8
120°	4.5
122.5°	6.0
125°	21.9
127.5°	36.2
130°	49.0
132.5°	61.9
135°	77.0
137.5°	96.6
140°	126.7
142.5°	163.7
145°	212.0
147.5°	295.7
150°	492.6
151°	588.5
152°	688.0
153°	786.9
154°	880.4
155°	966.4
156°	1036.6
157°	1084.9
158°	1125.6
159°	1167.9
160°	1210.9
161°	1256.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1304.4
163°	1348.2
164°	1395.7
165°	1450.0
166°	1506.6
167°	1565.5
168°	1622.0
169°	1672.6
170°	1718.6
171°	1757.1
172°	1791.8
173°	1818.2
174°	1834.8
175°	1840.1
176°	1841.6
177°	1835.5
178°	1828.8
179°	1828.0
180°	1833.3

(END OF REPORT)