

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: P221432

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED3090-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2716.2 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

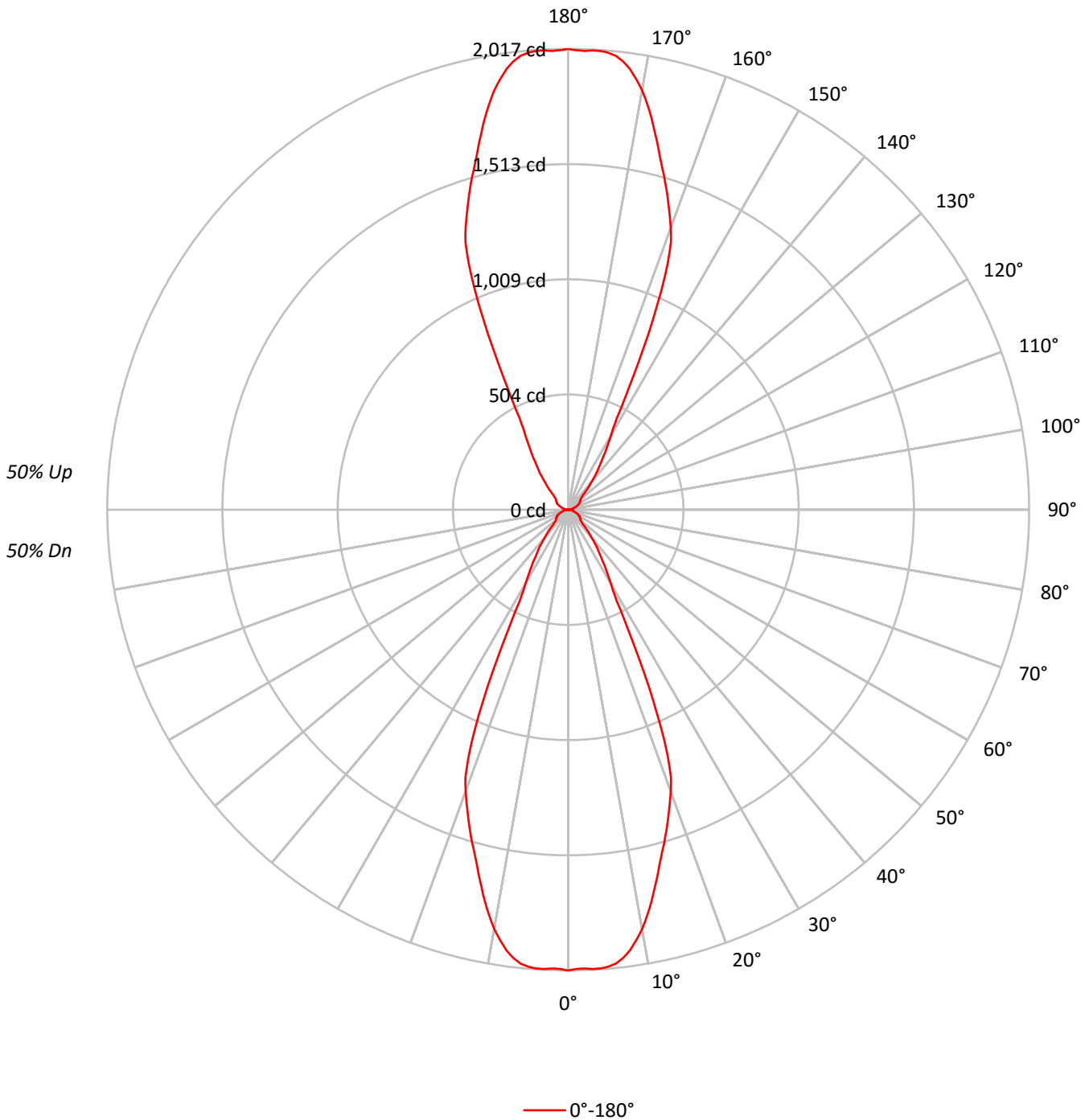
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57	55	52	50	46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47	48	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26

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

	0°
0°	442223
5°	441976
10°	414755
15°	356733
20°	306347
25°	188648
30°	94166
35°	66013
40°	45915
45°	29460
50°	23948
55°	24391
60°	24866
65°	24023
70°	21478
75°	20249
80°	22225
85°	22140



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.2	6.9
10°-20°	439.7	16.2
20°-30°	356.9	13.1
30°-40°	157.8	5.8
40°-50°	79.1	2.9
50°-60°	56.9	2.1
60°-70°	45.1	1.7
70°-80°	25.7	0.9
80°-90°	9.6	0.4
90°-100°	9.6	0.4
100°-110°	25.7	0.9
110°-120°	45.1	1.7
120°-130°	56.9	2.1
130°-140°	79.1	2.9
140°-150°	157.8	5.8
150°-160°	356.9	13.1
160°-170°	439.7	16.2
170°-180°	187.2	6.9
0°-30°	983.9	36.2
0°-40°	1141.7	42.0
0°-60°	1277.7	47.0
0°-90°	1358.1	50.0
90°-120°	80.4	3.0
90°-150°	374.2	13.8
90°-180°	1358.0	50.0
0°-180°	2716.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2017	
5°	2008	187
15°	1571	440
25°	780	357
35°	247	158
45°	95	79
55°	64	57
65°	46	45
75°	24	26
85°	9	9
90°	0	1
95°	9	9
105°	24	26
115°	46	45
125°	64	57
135°	95	79
145°	247	158
155°	780	357
165°	1571	440
175°	2008	187
180°	2017	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2016.7
1°	2011.1
2°	2009.5
3°	2012.7
4°	2012.7
5°	2007.9
6°	1997.6
7°	1976.8
8°	1946.5
9°	1907.4
10°	1862.7
11°	1810.8
12°	1753.4
13°	1691.1
14°	1629.7
15°	1571.4
16°	1521.1
17°	1468.4
18°	1415.8
19°	1363.1
20°	1312.8
21°	1254.6
22°	1162.8
23°	1044.7
24°	915.4
25°	779.7
26°	652.0
27°	538.7
28°	452.5
29°	403.0
30°	371.9
32.5°	304.9
35°	246.6
37.5°	203.5
40°	160.4
42.5°	126.9
45°	95.0
47.5°	76.6
50°	70.2
52.5°	67.0
55°	63.8
57.5°	59.9
60°	56.7
62.5°	51.9
65°	46.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	39.1
70°	33.5
72.5°	27.1
75°	23.9
77.5°	20.7
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0
92.5°	4.0
95°	8.8
97.5°	13.6
100°	17.6
102.5°	20.7
105°	23.9
107.5°	27.1
110°	33.5
112.5°	39.1
115°	46.3
117.5°	51.9
120°	56.7
122.5°	59.9
125°	63.8
127.5°	67.0
130°	70.2
132.5°	76.6
135°	95.0
137.5°	126.9
140°	160.4
142.5°	203.5
145°	246.6
147.5°	304.9
150°	371.9
151°	403.0
152°	452.5
153°	538.7
154°	652.0
155°	779.7
156°	915.4
157°	1044.7
158°	1162.8
159°	1254.6
160°	1312.8
161°	1363.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1415.8
163°	1468.4
164°	1521.1
165°	1571.4
166°	1629.7
167°	1691.1
168°	1753.4
169°	1810.8
170°	1862.7
171°	1907.4
172°	1946.5
173°	1976.8
174°	1997.6
175°	2007.9
176°	2012.7
177°	2012.7
178°	2009.5
179°	2011.1
180°	2016.7

(END OF REPORT)