

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: P221399

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221399
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]-LED2790-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1392.3 lumens
Efficiency: N/A
Efficacy: 71.0 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

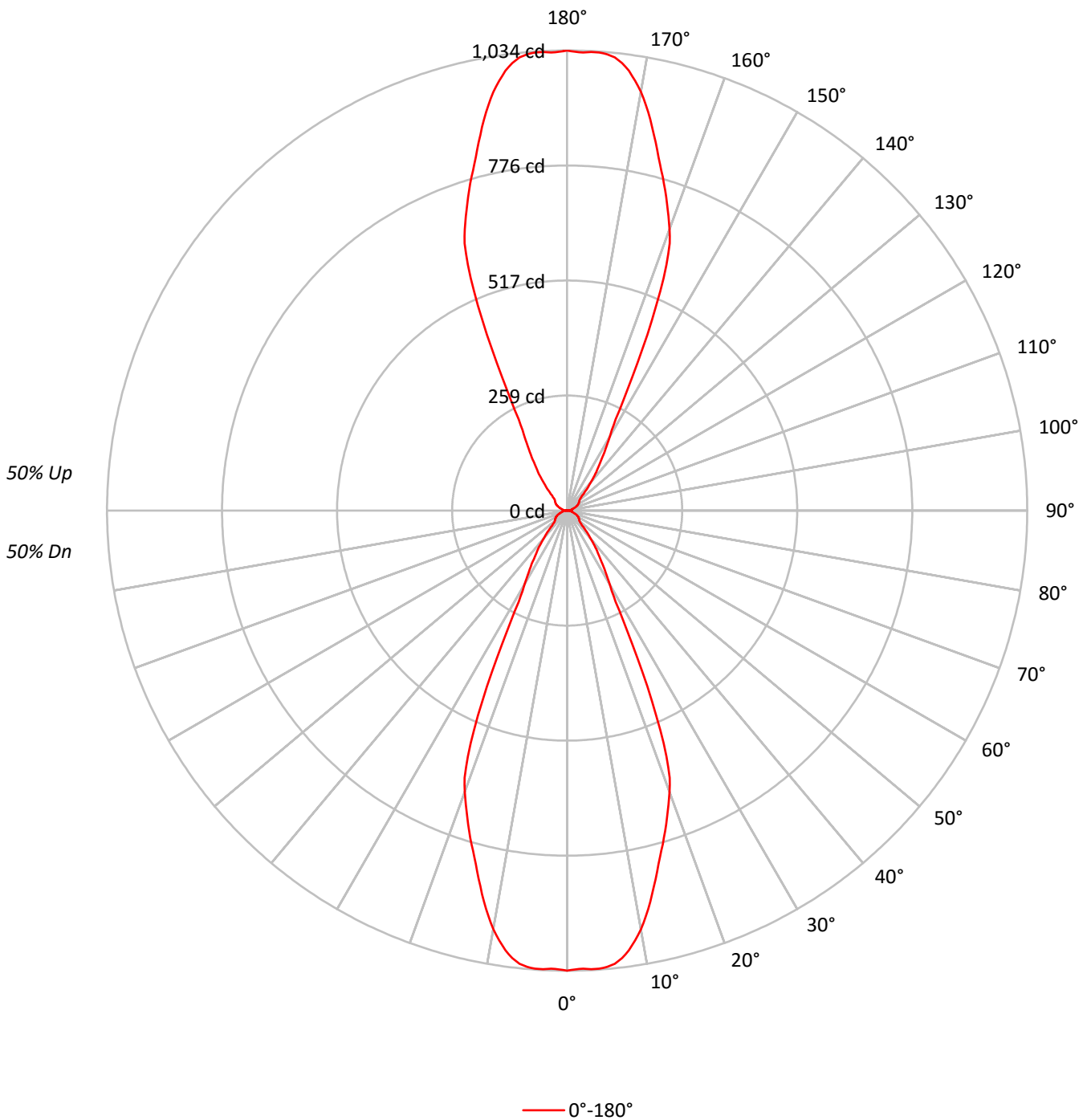
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	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°	226692
5°	226568
10°	212621
15°	182861
20°	157047
25°	96707
30°	48261
35°	33836
40°	23530
45°	15102
50°	12281
55°	12501
60°	12718
65°	12297
70°	11028
75°	10421
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	6.9
10°-20°	225.4	16.2
20°-30°	183.0	13.1
30°-40°	80.9	5.8
40°-50°	40.6	2.9
50°-60°	29.2	2.1
60°-70°	23.1	1.7
70°-80°	13.2	0.9
80°-90°	4.9	0.4
90°-100°	4.9	0.4
100°-110°	13.2	0.9
110°-120°	23.1	1.7
120°-130°	29.2	2.1
130°-140°	40.6	2.9
140°-150°	80.9	5.8
150°-160°	183.0	13.1
160°-170°	225.4	16.2
170°-180°	96.0	6.9
0°-30°	504.4	36.2
0°-40°	585.3	42.0
0°-60°	655.0	47.0
0°-90°	696.2	50.0
90°-120°	41.2	3.0
90°-150°	191.8	13.8
90°-180°	696.0	50.0
0°-180°	1392.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	1029	96
15°	806	225
25°	400	183
35°	126	81
45°	49	41
55°	33	29
65°	24	23
75°	12	13
85°	4	5
90°	0	1
95°	4	5
105°	12	13
115°	24	23
125°	33	29
135°	49	41
145°	126	81
155°	400	183
165°	806	225
175°	1029	96
180°	1034	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1033.8
1°	1031.0
2°	1030.1
3°	1031.8
4°	1031.8
5°	1029.3
6°	1024.0
7°	1013.4
8°	997.8
9°	977.8
10°	954.9
11°	928.3
12°	898.8
13°	866.9
14°	835.4
15°	805.5
16°	779.8
17°	752.8
18°	725.8
19°	698.8
20°	673.0
21°	643.1
22°	596.1
23°	535.5
24°	469.3
25°	399.7
26°	334.2
27°	276.2
28°	232.0
29°	206.6
30°	190.6
32.5°	156.3
35°	126.4
37.5°	104.3
40°	82.2
42.5°	65.0
45°	48.7
47.5°	39.3
50°	36.0
52.5°	34.4
55°	32.7
57.5°	30.7
60°	29.0
62.5°	26.6
65°	23.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	20.0
70°	17.2
72.5°	13.9
75°	12.3
77.5°	10.6
80°	9.0
82.5°	7.0
85°	4.5
87.5°	2.0
90°	0.0
92.5°	2.0
95°	4.5
97.5°	7.0
100°	9.0
102.5°	10.6
105°	12.3
107.5°	13.9
110°	17.2
112.5°	20.0
115°	23.7
117.5°	26.6
120°	29.0
122.5°	30.7
125°	32.7
127.5°	34.4
130°	36.0
132.5°	39.3
135°	48.7
137.5°	65.0
140°	82.2
142.5°	104.3
145°	126.4
147.5°	156.3
150°	190.6
151°	206.6
152°	232.0
153°	276.2
154°	334.2
155°	399.7
156°	469.3
157°	535.5
158°	596.1
159°	643.1
160°	673.0
161°	698.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	725.8
163°	752.8
164°	779.8
165°	805.5
166°	835.4
167°	866.9
168°	898.8
169°	928.3
170°	954.9
171°	977.8
172°	997.8
173°	1013.4
174°	1024.0
175°	1029.3
176°	1031.8
177°	1031.8
178°	1030.1
179°	1031.0
180°	1033.8

(END OF REPORT)