

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: P221397

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1119.6 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

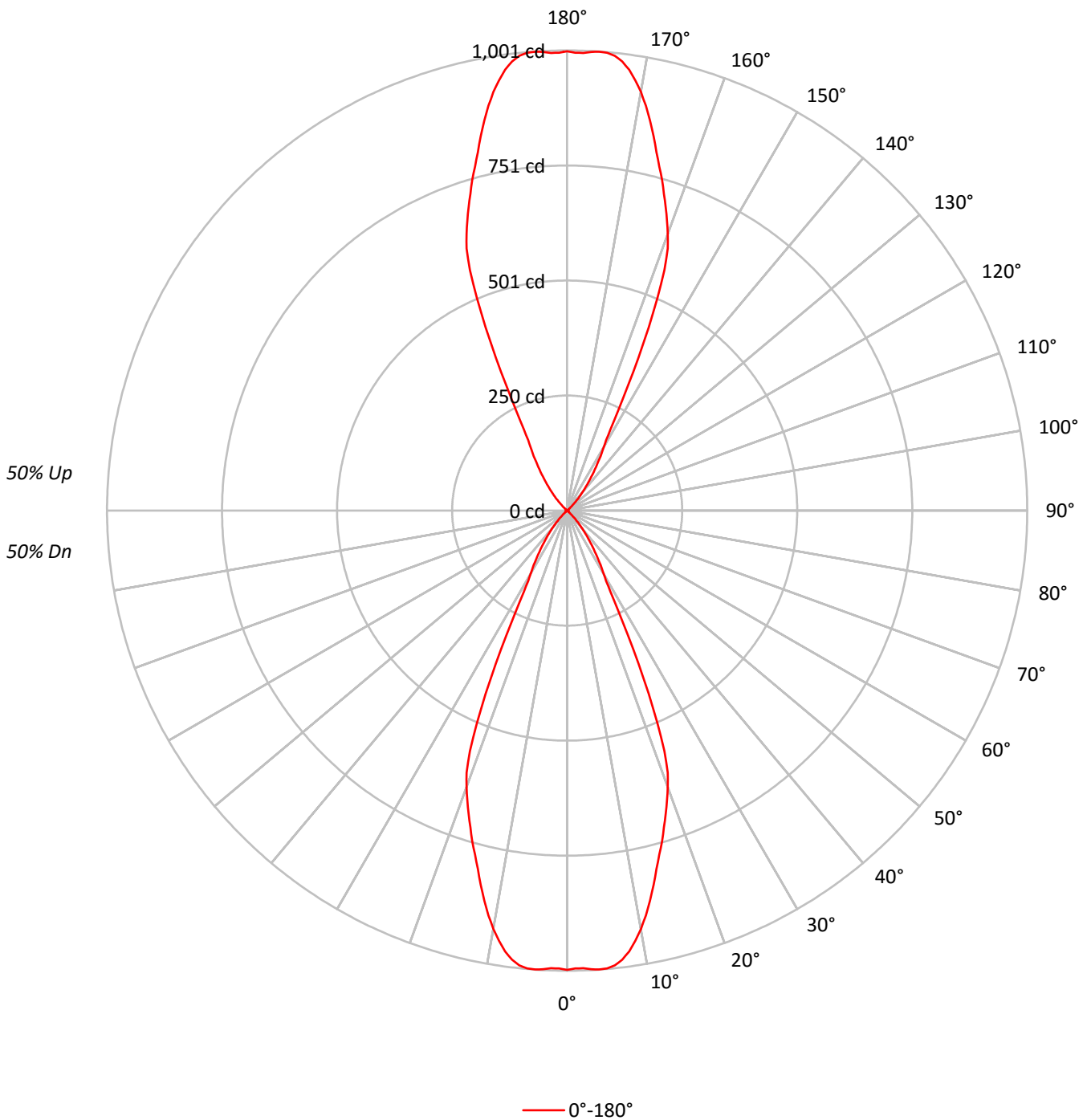
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219083
5°	220008
10°	205786
15°	175824
20°	149416
25°	88795
30°	40411
35°	25618
40°	14513
45°	5334
50°	1672
55°	1262
60°	1096
65°	623
70°	256
75°	339
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	8.3
10°-20°	216.5	19.3
20°-30°	168.0	15.0
30°-40°	61.3	5.5
40°-50°	16.2	1.4
50°-60°	3.0	0.3
60°-70°	1.3	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.3	0.1
120°-130°	3.0	0.3
130°-140°	16.2	1.4
140°-150°	61.3	5.5
150°-160°	168.0	15.0
160°-170°	216.5	19.3
170°-180°	93.1	8.3
0°-30°	477.6	42.7
0°-40°	538.8	48.1
0°-60°	558.1	49.8
0°-90°	559.8	50.0
90°-120°	1.7	0.2
90°-150°	82.2	7.3
90°-180°	560.0	50.0
0°-180°	1119.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	999	
5°	1000	93
15°	774	216
25°	367	168
35°	96	61
45°	17	16
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	17	16
145°	96	61
155°	367	168
165°	774	216
175°	1000	93
180°	999	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	999.1
1°	996.2
2°	996.2
3°	999.1
4°	1000.7
5°	999.5
6°	994.6
7°	984.3
8°	968.4
9°	947.5
10°	924.2
11°	897.2
12°	867.3
13°	835.8
14°	803.5
15°	774.5
16°	748.3
17°	720.4
18°	693.9
19°	666.9
20°	640.3
21°	610.8
22°	564.2
23°	502.8
24°	436.1
25°	367.0
26°	301.9
27°	243.8
28°	200.1
29°	175.1
30°	159.6
32.5°	125.6
35°	95.7
37.5°	72.0
40°	50.7
42.5°	33.5
45°	17.2
47.5°	7.8
50°	4.9
52.5°	3.7
55°	3.3
57.5°	2.9
60°	2.5
62.5°	1.6
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	1.2
115°	1.2
117.5°	1.6
120°	2.5
122.5°	2.9
125°	3.3
127.5°	3.7
130°	4.9
132.5°	7.8
135°	17.2
137.5°	33.5
140°	50.7
142.5°	72.0
145°	95.7
147.5°	125.6
150°	159.6
151°	175.1
152°	200.1
153°	243.8
154°	301.9
155°	367.0
156°	436.1
157°	502.8
158°	564.2
159°	610.8
160°	640.3
161°	666.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	693.9
163°	720.4
164°	748.3
165°	774.5
166°	803.5
167°	835.8
168°	867.3
169°	897.2
170°	924.2
171°	947.5
172°	968.4
173°	984.3
174°	994.6
175°	999.5
176°	1000.7
177°	999.1
178°	996.2
179°	996.2
180°	999.1

(END OF REPORT)