

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: P221415

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221415
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]-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1290.5 lumens
Efficiency: N/A
Efficacy: 65.8 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

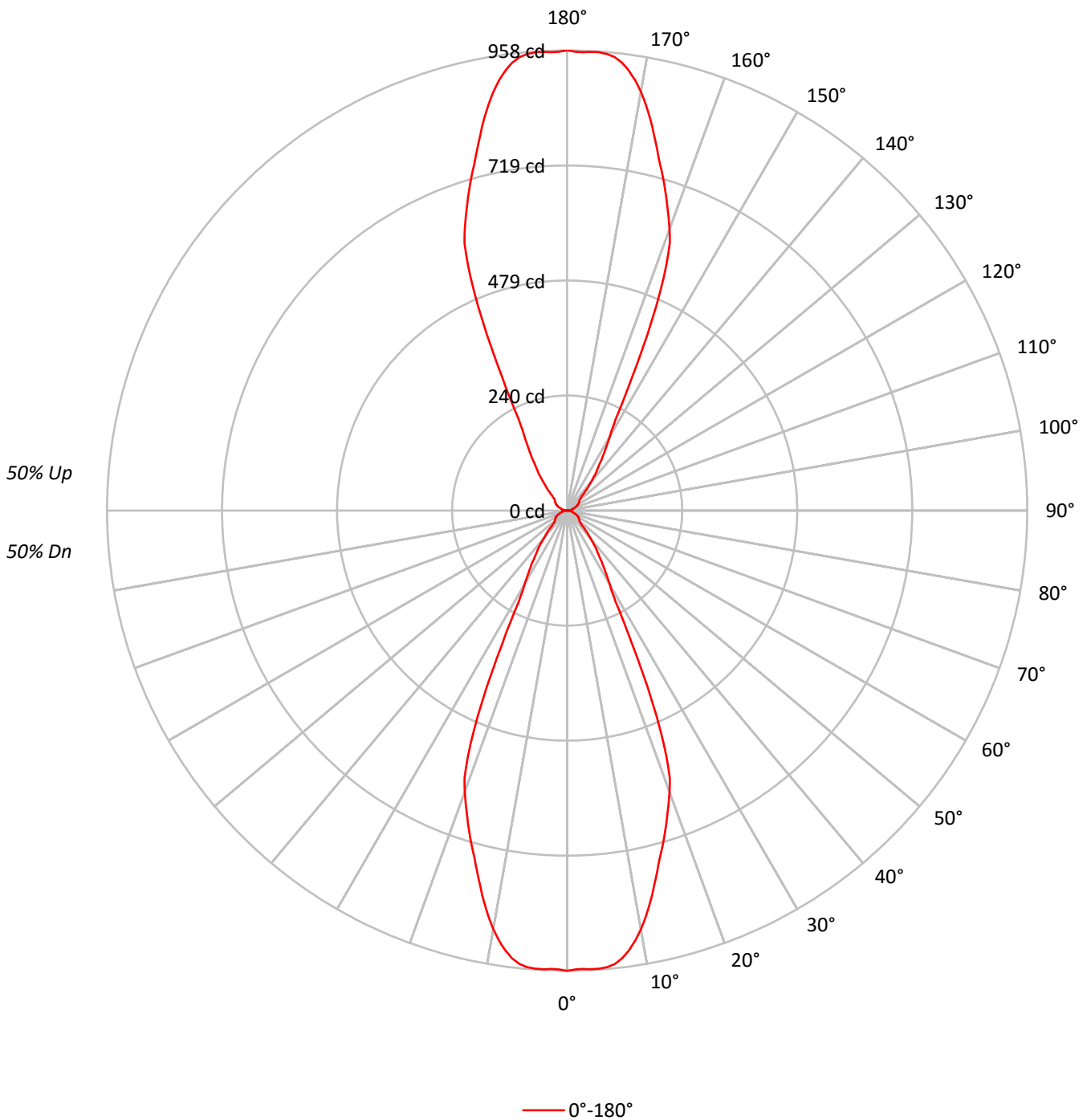
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	210115
5°	209993
10°	197057
15°	169490
20°	145566
25°	89642
30°	44741
35°	31374
40°	21812
45°	13986
50°	11394
55°	11584
60°	11797
65°	11415
70°	10194
75°	9658
80°	10481
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	6.9
10°-20°	208.9	16.2
20°-30°	169.6	13.1
30°-40°	75.0	5.8
40°-50°	37.6	2.9
50°-60°	27.0	2.1
60°-70°	21.4	1.7
70°-80°	12.2	0.9
80°-90°	4.5	0.4
90°-100°	4.5	0.4
100°-110°	12.2	0.9
110°-120°	21.4	1.7
120°-130°	27.0	2.1
130°-140°	37.6	2.9
140°-150°	75.0	5.8
150°-160°	169.6	13.1
160°-170°	208.9	16.2
170°-180°	89.0	6.9
0°-30°	467.5	36.2
0°-40°	542.5	42.0
0°-60°	607.1	47.0
0°-90°	645.3	50.0
90°-120°	38.2	3.0
90°-150°	177.8	13.8
90°-180°	645.0	50.0
0°-180°	1290.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	958	
5°	954	89
15°	747	209
25°	370	170
35°	117	75
45°	45	38
55°	30	27
65°	22	21
75°	11	12
85°	4	4
90°	0	1
95°	4	4
105°	11	12
115°	22	21
125°	30	27
135°	45	38
145°	117	75
155°	370	170
165°	747	209
175°	954	89
180°	958	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	958.2
1°	955.5
2°	954.8
3°	956.3
4°	956.3
5°	954.0
6°	949.1
7°	939.2
8°	924.8
9°	906.3
10°	885.0
11°	860.4
12°	833.1
13°	803.5
14°	774.3
15°	746.6
16°	722.7
17°	697.7
18°	672.7
19°	647.6
20°	623.8
21°	596.1
22°	552.5
23°	496.4
24°	434.9
25°	370.5
26°	309.8
27°	256.0
28°	215.0
29°	191.5
30°	176.7
32.5°	144.8
35°	117.2
37.5°	96.7
40°	76.2
42.5°	60.3
45°	45.1
47.5°	36.4
50°	33.4
52.5°	31.9
55°	30.3
57.5°	28.4
60°	26.9
62.5°	24.6
65°	22.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	18.6
70°	15.9
72.5°	12.9
75°	11.4
77.5°	9.9
80°	8.3
82.5°	6.4
85°	4.2
87.5°	1.9
90°	0.0
92.5°	1.9
95°	4.2
97.5°	6.4
100°	8.3
102.5°	9.9
105°	11.4
107.5°	12.9
110°	15.9
112.5°	18.6
115°	22.0
117.5°	24.6
120°	26.9
122.5°	28.4
125°	30.3
127.5°	31.9
130°	33.4
132.5°	36.4
135°	45.1
137.5°	60.3
140°	76.2
142.5°	96.7
145°	117.2
147.5°	144.8
150°	176.7
151°	191.5
152°	215.0
153°	256.0
154°	309.8
155°	370.5
156°	434.9
157°	496.4
158°	552.5
159°	596.1
160°	623.8
161°	647.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	672.7
163°	697.7
164°	722.7
165°	746.6
166°	774.3
167°	803.5
168°	833.1
169°	860.4
170°	885.0
171°	906.3
172°	924.8
173°	939.2
174°	949.1
175°	954.0
176°	956.3
177°	956.3
178°	954.8
179°	955.5
180°	958.2

(END OF REPORT)