

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: P221312

Luminaire Tested: **9002-W2-FL-LED2797-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2797-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1465.1 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

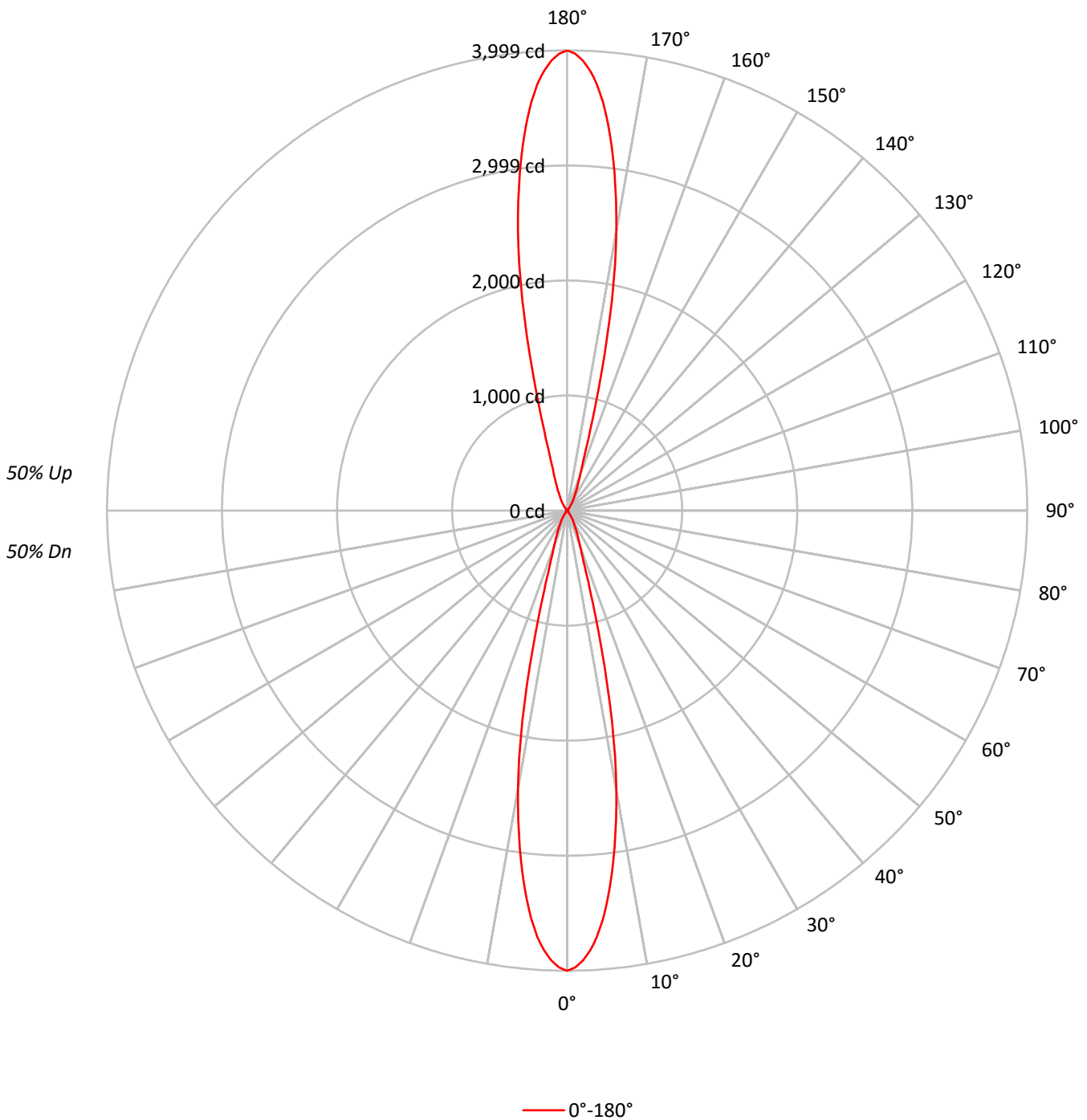
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

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	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	101	98	95	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47				
3	90	83	78	74	83	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	77	72	67	79	73	68	64	64	61	58	57	54	53	49	48	47	44				
5	81	72	67	62	75	68	64	60	61	58	55	54	52	50	48	46	45	42				
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	46	45	44	41				
7	73	64	59	55	69	61	56	53	56	52	49	50	48	46	45	44	42	40				
8	70	61	56	52	66	58	54	50	53	50	47	49	46	44	44	42	41	39				
9	67	58	53	49	64	56	51	48	51	48	45	47	44	43	43	41	40	38				
10	65	56	51	47	61	54	49	46	49	46	44	46	43	41	42	40	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1973222
5°	1764874
10°	1232137
15°	486215
20°	174682
25°	98588
30°	56344
35°	30416
40°	12108
45°	8024
50°	5526
55°	4989
60°	5032
65°	5954
70°	6203
75°	6863
80°	3978
85°	3963



TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	20.8
10°-20°	286.0	19.5
20°-30°	86.4	5.9
30°-40°	31.9	2.2
40°-50°	9.2	0.6
50°-60°	5.4	0.4
60°-70°	5.0	0.3
70°-80°	3.4	0.2
80°-90°	1.0	0.1
90°-100°	1.0	0.1
100°-110°	3.4	0.2
110°-120°	5.0	0.3
120°-130°	5.4	0.4
130°-140°	9.2	0.6
140°-150°	31.9	2.2
150°-160°	86.4	5.9
160°-170°	286.0	19.5
170°-180°	304.3	20.8
0°-30°	676.6	46.2
0°-40°	708.5	48.4
0°-60°	723.2	49.4
0°-90°	732.5	50.0
90°-120°	9.3	0.6
90°-150°	55.9	3.8
90°-180°	733.0	50.0
0°-180°	1465.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3999	
5°	3564	304
15°	952	286
25°	181	86
35°	50	32
45°	12	9
55°	6	5
65°	5	5
75°	4	3
85°	1	1
90°	0	0
95°	1	1
105°	4	3
115°	5	5
125°	6	5
135°	12	9
145°	50	32
155°	181	86
165°	952	286
175°	3564	304
180°	3999	



TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3999.4
1°	3971.2
2°	3912.8
3°	3828.3
4°	3713.6
5°	3563.5
6°	3384.5
7°	3185.3
8°	2959.5
9°	2717.7
10°	2459.4
11°	2177.9
12°	1870.5
13°	1548.7
14°	1232.6
15°	951.9
16°	727.4
17°	563.6
18°	455.4
19°	383.2
20°	332.7
22.5°	244.6
25°	181.1
26°	160.2
27°	142.2
28°	126.3
29°	111.9
30°	98.9
32.5°	72.2
35°	50.5
37.5°	28.1
40°	18.8
42.5°	14.4
45°	11.5
47.5°	9.4
50°	7.2
52.5°	6.5
55°	5.8
57.5°	5.8
60°	5.1
62.5°	5.1
65°	5.1
67.5°	5.1
70°	4.3
72.5°	3.6



TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	3.6
77.5°	2.9
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0
92.5°	0.7
95°	0.7
97.5°	1.4
100°	1.4
102.5°	2.9
105°	3.6
107.5°	3.6
110°	4.3
112.5°	5.1
115°	5.1
117.5°	5.1
120°	5.1
122.5°	5.8
125°	5.8
127.5°	6.5
130°	7.2
132.5°	9.4
135°	11.5
137.5°	14.4
140°	18.8
142.5°	28.1
145°	50.5
147.5°	72.2
150°	98.9
151°	111.9
152°	126.3
153°	142.2
154°	160.2
155°	181.1
157.5°	244.6
160°	332.7
161°	383.2
162°	455.4
163°	563.6
164°	727.4
165°	951.9
166°	1232.6
167°	1548.7



TEST NUMBER: P221312

CATALOG NUMBER: 9002-W2-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
168°	1870.5
169°	2177.9
170°	2459.4
171°	2717.7
172°	2959.5
173°	3185.3
174°	3384.5
175°	3563.5
176°	3713.6
177°	3828.3
178°	3912.8
179°	3971.2
180°	3999.4

(END OF REPORT)