

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: P221403

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1423.9 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

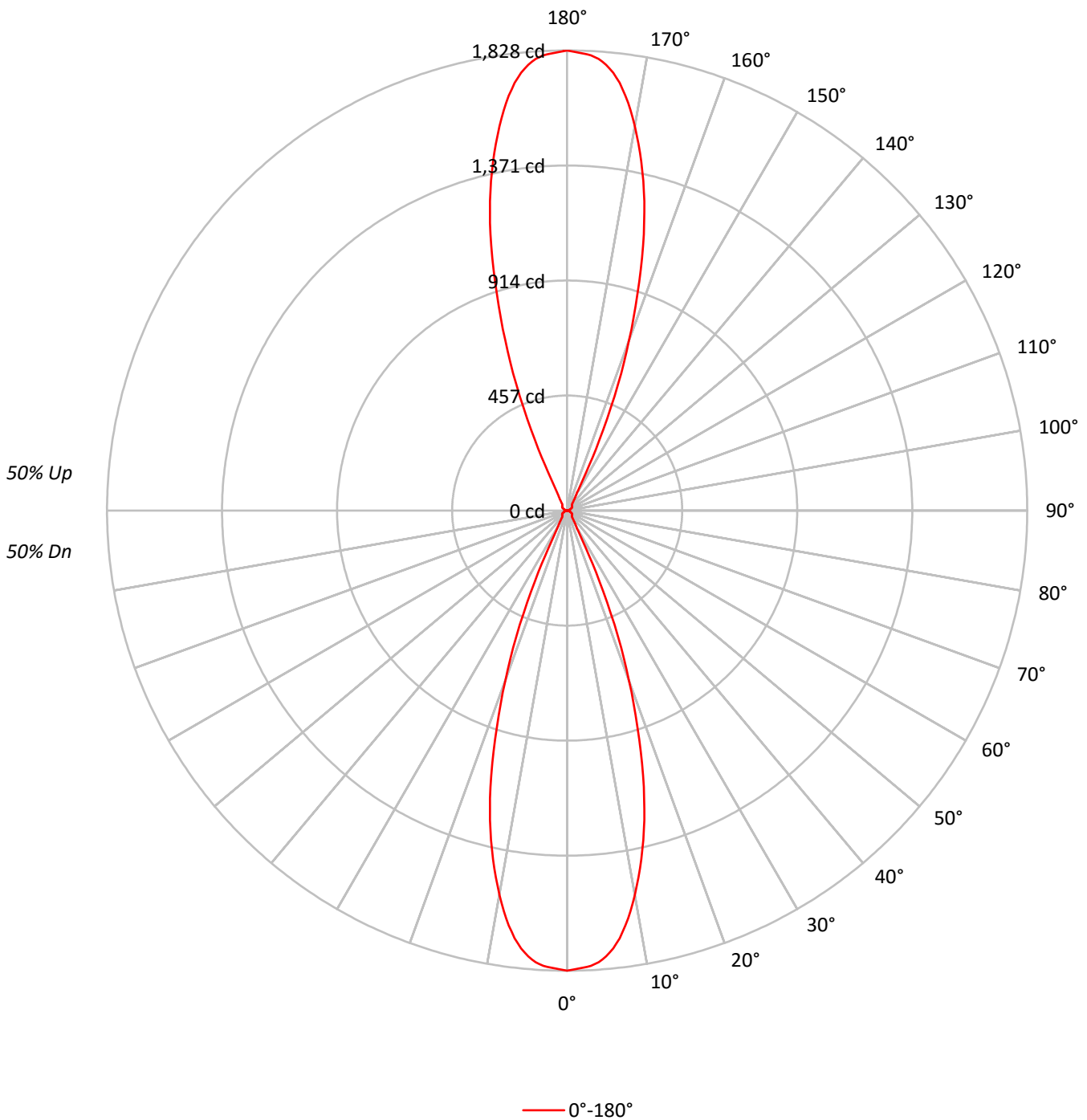
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-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	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	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	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	43	41	38
6	74	64	58	54	69	61	56	52	54	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400779
5°	391282
10°	345151
15°	268583
20°	167758
25°	65496
30°	17851
35°	10467
40°	8359
45°	8466
50°	8938
55°	9137
60°	8991
65°	8250
70°	7052
75°	6439
80°	7198
85°	6793



TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	11.4
10°-20°	317.1	22.3
20°-30°	136.0	9.6
30°-40°	26.9	1.9
40°-50°	21.3	1.5
50°-60°	21.2	1.5
60°-70°	15.7	1.1
70°-80°	8.4	0.6
80°-90°	3.0	0.2
90°-100°	3.0	0.2
100°-110°	8.4	0.6
110°-120°	15.7	1.1
120°-130°	21.2	1.5
130°-140°	21.3	1.5
140°-150°	26.9	1.9
150°-160°	136.0	9.6
160°-170°	317.1	22.3
170°-180°	162.5	11.4
0°-30°	615.6	43.2
0°-40°	642.4	45.1
0°-60°	684.9	48.1
0°-90°	711.9	50.0
90°-120°	27.1	1.9
90°-150°	96.4	6.8
90°-180°	712.0	50.0
0°-180°	1423.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1828	
5°	1778	162
15°	1183	317
25°	271	136
35°	39	27
45°	27	21
55°	24	21
65°	16	16
75°	8	8
85°	3	3
90°	0	0
95°	3	3
105°	8	8
115°	16	16
125°	24	21
135°	27	21
145°	39	27
155°	271	136
165°	1183	317
175°	1778	162
180°	1828	



TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1827.7
1°	1822.4
2°	1816.7
3°	1811.4
4°	1798.8
5°	1777.6
6°	1749.2
7°	1712.0
8°	1664.6
9°	1611.2
10°	1550.1
11°	1484.9
12°	1417.0
13°	1343.4
14°	1266.1
15°	1183.1
16°	1094.3
17°	1001.0
18°	904.7
19°	810.3
20°	718.9
21°	632.1
22°	538.8
23°	443.3
24°	352.3
25°	270.7
26°	199.8
27°	141.4
28°	100.9
29°	80.0
30°	70.5
32.5°	53.5
35°	39.1
37.5°	31.9
40°	29.2
42.5°	28.1
45°	27.3
47.5°	26.9
50°	26.2
52.5°	25.0
55°	23.9
57.5°	22.4
60°	20.5
62.5°	18.6
65°	15.9



TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.3
70°	11.0
72.5°	9.1
75°	7.6
77.5°	6.8
80°	5.7
82.5°	4.2
85°	2.7
87.5°	1.1
90°	0.0
92.5°	1.1
95°	2.7
97.5°	4.2
100°	5.7
102.5°	6.8
105°	7.6
107.5°	9.1
110°	11.0
112.5°	13.3
115°	15.9
117.5°	18.6
120°	20.5
122.5°	22.4
125°	23.9
127.5°	25.0
130°	26.2
132.5°	26.9
135°	27.3
137.5°	28.1
140°	29.2
142.5°	31.9
145°	39.1
147.5°	53.5
150°	70.5
151°	80.0
152°	100.9
153°	141.4
154°	199.8
155°	270.7
156°	352.3
157°	443.3
158°	538.8
159°	632.1
160°	718.9
161°	810.3



TEST NUMBER: P221403

CATALOG NUMBER: 9003-W2-[RW, RI]-LED2797-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	904.7
163°	1001.0
164°	1094.3
165°	1183.1
166°	1266.1
167°	1343.4
168°	1417.0
169°	1484.9
170°	1550.1
171°	1611.2
172°	1664.6
173°	1712.0
174°	1749.2
175°	1777.6
176°	1798.8
177°	1811.4
178°	1816.7
179°	1822.4
180°	1827.7

(END OF REPORT)