

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: P221477

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221477
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]-LED3597-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1187.9 lumens
Efficiency: N/A
Efficacy: 60.6 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

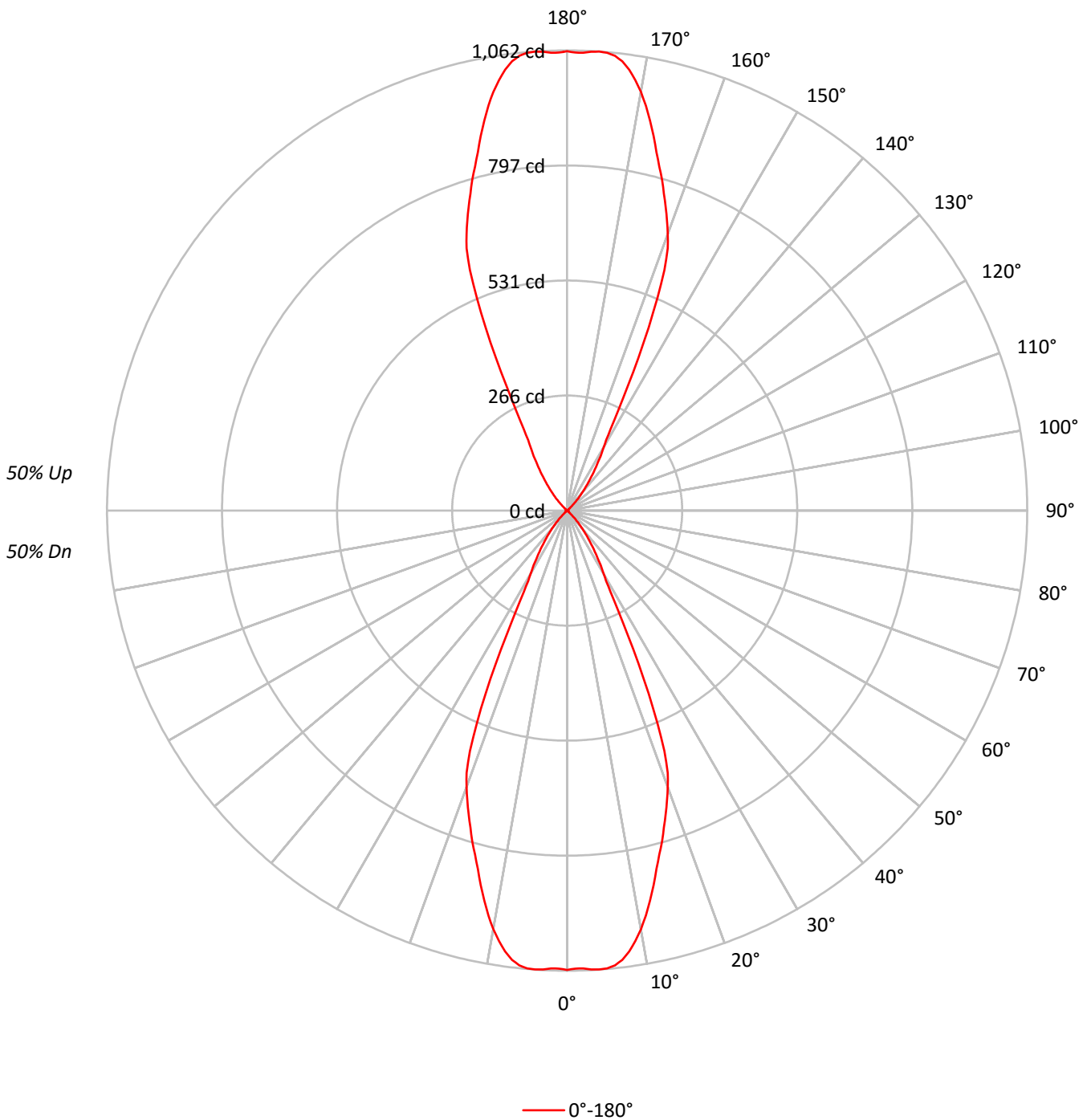
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-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	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°	232481
5°	233457
10°	218388
15°	186585
20°	158564
25°	94215
30°	42867
35°	27198
40°	15400
45°	5644
50°	1774
55°	1338
60°	1140
65°	675
70°	256
75°	339
80°	0
85°	0



TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	8.3
10°-20°	229.7	19.3
20°-30°	178.3	15.0
30°-40°	65.0	5.5
40°-50°	17.2	1.4
50°-60°	3.2	0.3
60°-70°	1.4	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°	1.4	0.1
120°-130°	3.2	0.3
130°-140°	17.2	1.4
140°-150°	65.0	5.5
150°-160°	178.3	15.0
160°-170°	229.7	19.3
170°-180°	98.8	8.3
0°-30°	506.8	42.7
0°-40°	571.8	48.1
0°-60°	592.2	49.8
0°-90°	594.0	50.0
90°-120°	1.8	0.2
90°-150°	87.2	7.3
90°-180°	594.0	50.0
0°-180°	1187.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	1061	99
15°	822	230
25°	389	178
35°	102	65
45°	18	17
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	4	3
135°	18	17
145°	102	65
155°	389	178
165°	822	230
175°	1061	99
180°	1060	



TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1060.2
1°	1057.2
2°	1057.2
3°	1060.2
4°	1061.9
5°	1060.6
6°	1055.4
7°	1044.6
8°	1027.6
9°	1005.5
10°	980.8
11°	952.1
12°	920.4
13°	887.0
14°	852.7
15°	821.9
16°	794.1
17°	764.5
18°	736.3
19°	707.7
20°	679.5
21°	648.2
22°	598.7
23°	533.6
24°	462.8
25°	389.4
26°	320.4
27°	258.8
28°	212.3
29°	185.8
30°	169.3
32.5°	133.3
35°	101.6
37.5°	76.4
40°	53.8
42.5°	35.6
45°	18.2
47.5°	8.2
50°	5.2
52.5°	3.9
55°	3.5
57.5°	3.0
60°	2.6
62.5°	1.7
65°	1.3



TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
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°	1.3
115°	1.3
117.5°	1.7
120°	2.6
122.5°	3.0
125°	3.5
127.5°	3.9
130°	5.2
132.5°	8.2
135°	18.2
137.5°	35.6
140°	53.8
142.5°	76.4
145°	101.6
147.5°	133.3
150°	169.3
151°	185.8
152°	212.3
153°	258.8
154°	320.4
155°	389.4
156°	462.8
157°	533.6
158°	598.7
159°	648.2
160°	679.5
161°	707.7



TEST NUMBER: P221477

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3597-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	736.3
163°	764.5
164°	794.1
165°	821.9
166°	852.7
167°	887.0
168°	920.4
169°	952.1
170°	980.8
171°	1005.5
172°	1027.6
173°	1044.6
174°	1055.4
175°	1060.6
176°	1061.9
177°	1060.2
178°	1057.2
179°	1057.2
180°	1060.2

(END OF REPORT)