

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: P221443

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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]-LED3097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1376.4 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

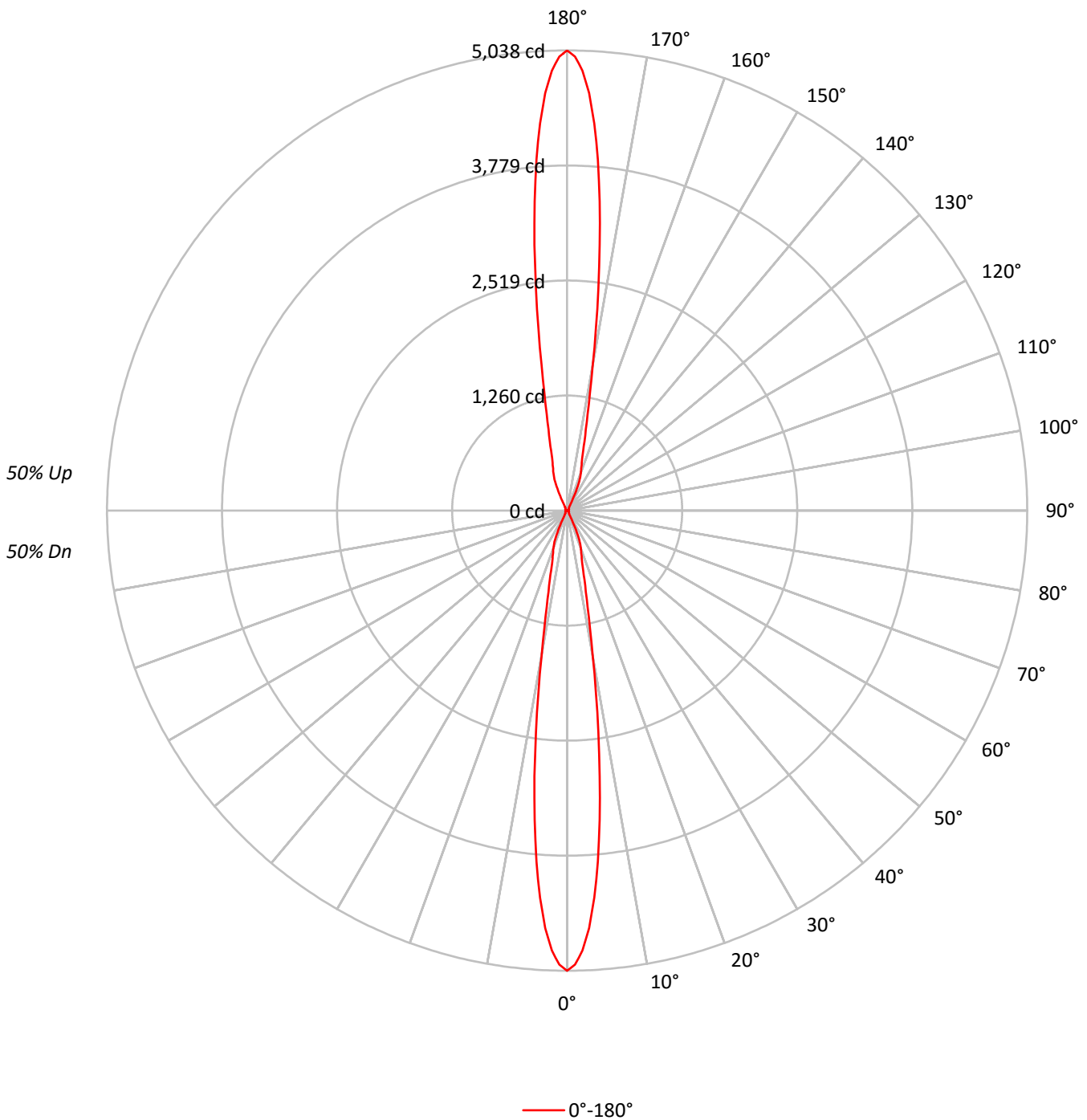
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-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	92	93	90	88	86	77	75	74	65	64	63	54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41	44	41	39	40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1104802
5°	848754
10°	359824
15°	154416
20°	102722
25°	48898
30°	12027
35°	8914
40°	8559
45°	8559
50°	8733
55°	9787
60°	9911
65°	9132
70°	7629
75°	6778
80°	7703
85°	7799



TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	21.1
10°-20°	208.0	15.1
20°-30°	94.1	6.8
30°-40°	22.2	1.6
40°-50°	21.3	1.6
50°-60°	22.5	1.6
60°-70°	17.3	1.3
70°-80°	8.9	0.6
80°-90°	3.2	0.2
90°-100°	3.2	0.2
100°-110°	8.9	0.6
110°-120°	17.3	1.3
120°-130°	22.5	1.6
130°-140°	21.3	1.6
140°-150°	22.2	1.6
150°-160°	94.1	6.8
160°-170°	208.0	15.1
170°-180°	290.7	21.1
0°-30°	592.7	43.1
0°-40°	614.9	44.7
0°-60°	658.7	47.9
0°-90°	688.2	50.0
90°-120°	29.5	2.1
90°-150°	95.5	6.9
90°-180°	688.0	50.0
0°-180°	1376.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5038	
5°	3856	291
15°	680	208
25°	202	94
35°	33	22
45°	28	21
55°	26	22
65°	18	17
75°	8	9
85°	3	3
90°	0	0
95°	3	3
105°	8	9
115°	18	17
125°	26	22
135°	28	21
145°	33	22
155°	202	94
165°	680	208
175°	3856	291
180°	5038	



TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5038.3
1°	4972.4
2°	4819.3
3°	4576.7
4°	4250.2
5°	3855.9
6°	3404.3
7°	2931.2
8°	2453.1
9°	2006.4
10°	1616.0
11°	1305.2
12°	1077.9
13°	911.0
14°	780.4
15°	680.2
16°	599.4
17°	545.0
18°	504.5
19°	469.3
20°	440.2
22.5°	349.8
25°	202.1
26°	147.4
27°	100.3
28°	66.6
29°	52.4
30°	47.5
32.5°	39.8
35°	33.3
37.5°	31.0
40°	29.9
42.5°	28.7
45°	27.6
47.5°	26.4
50°	25.6
52.5°	25.6
55°	25.6
57.5°	24.9
60°	22.6
62.5°	20.7
65°	17.6
67.5°	14.5
70°	11.9
72.5°	9.6



TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	8.0
77.5°	7.3
80°	6.1
82.5°	4.6
85°	3.1
87.5°	1.1
90°	0.0
92.5°	1.1
95°	3.1
97.5°	4.6
100°	6.1
102.5°	7.3
105°	8.0
107.5°	9.6
110°	11.9
112.5°	14.5
115°	17.6
117.5°	20.7
120°	22.6
122.5°	24.9
125°	25.6
127.5°	25.6
130°	25.6
132.5°	26.4
135°	27.6
137.5°	28.7
140°	29.9
142.5°	31.0
145°	33.3
147.5°	39.8
150°	47.5
151°	52.4
152°	66.6
153°	100.3
154°	147.4
155°	202.1
157.5°	349.8
160°	440.2
161°	469.3
162°	504.5
163°	545.0
164°	599.4
165°	680.2
166°	780.4
167°	911.0



TEST NUMBER: P221443

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
168°	1077.9
169°	1305.2
170°	1616.0
171°	2006.4
172°	2453.1
173°	2931.2
174°	3404.3
175°	3855.9
176°	4250.2
177°	4576.7
178°	4819.3
179°	4972.4
180°	5038.3

(END OF REPORT)