

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: P221433

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1247.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

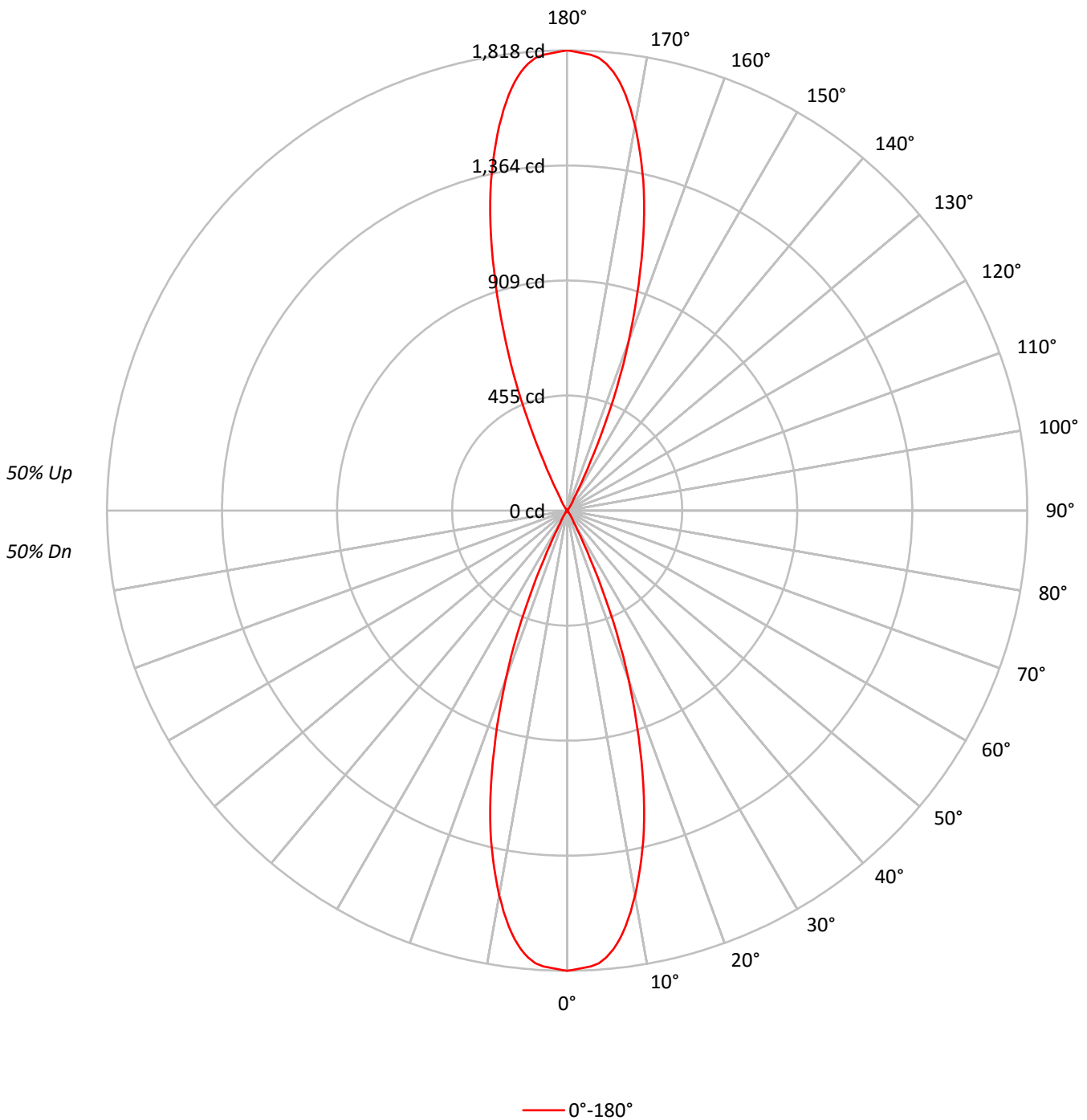
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-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	101	98	95	92	93	91	88	86	77	76	74		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	48	46		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398674
5°	390094
10°	343815
15°	265631
20°	164981
25°	61116
30°	12787
35°	4818
40°	1746
45°	1178
50°	1058
55°	879
60°	658
65°	415
70°	256
75°	0
80°	0
85°	0



TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	13.0
10°-20°	314.0	25.2
20°-30°	127.9	10.3
30°-40°	13.5	1.1
40°-50°	3.1	0.3
50°-60°	2.0	0.2
60°-70°	0.9	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	0.9	0.1
120°-130°	2.0	0.2
130°-140°	3.1	0.3
140°-150°	13.5	1.1
150°-160°	127.9	10.3
160°-170°	314.0	25.2
170°-180°	161.8	13.0
0°-30°	603.7	48.4
0°-40°	617.2	49.5
0°-60°	622.4	49.9
0°-90°	623.5	50.0
90°-120°	1.2	0.1
90°-150°	19.9	1.6
90°-180°	624.0	50.0
0°-180°	1247.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1818	
5°	1772	162
15°	1170	314
25°	253	128
35°	18	14
45°	4	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	2	2
135°	4	3
145°	18	14
155°	253	128
165°	1170	314
175°	1772	162
180°	1818	



TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1818.1
1°	1813.5
2°	1808.2
3°	1803.2
4°	1793.2
5°	1772.2
6°	1743.5
7°	1706.0
8°	1658.1
9°	1603.8
10°	1544.1
11°	1478.6
12°	1408.9
13°	1336.2
14°	1256.6
15°	1170.1
16°	1082.1
17°	984.5
18°	893.4
19°	798.4
20°	707.0
21°	617.8
22°	523.2
23°	426.8
24°	335.3
25°	252.6
26°	181.0
27°	123.2
28°	81.5
29°	60.5
30°	50.5
32.5°	33.3
35°	18.0
37.5°	10.0
40°	6.1
42.5°	4.6
45°	3.8
47.5°	3.4
50°	3.1
52.5°	2.7
55°	2.3
57.5°	1.9
60°	1.5
62.5°	1.1
65°	0.8



TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.8
115°	0.8
117.5°	1.1
120°	1.5
122.5°	1.9
125°	2.3
127.5°	2.7
130°	3.1
132.5°	3.4
135°	3.8
137.5°	4.6
140°	6.1
142.5°	10.0
145°	18.0
147.5°	33.3
150°	50.5
151°	60.5
152°	81.5
153°	123.2
154°	181.0
155°	252.6
156°	335.3
157°	426.8
158°	523.2
159°	617.8
160°	707.0
161°	798.4



TEST NUMBER: P221433

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3097-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	893.4
163°	984.5
164°	1082.1
165°	1170.1
166°	1256.6
167°	1336.2
168°	1408.9
169°	1478.6
170°	1544.1
171°	1603.8
172°	1658.1
173°	1706.0
174°	1743.5
175°	1772.2
176°	1793.2
177°	1803.2
178°	1808.2
179°	1813.5
180°	1818.1

(END OF REPORT)