

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: P221434

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221434
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-L2-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: 2299.5 lumens
Efficiency: N/A
Efficacy: 57.2 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

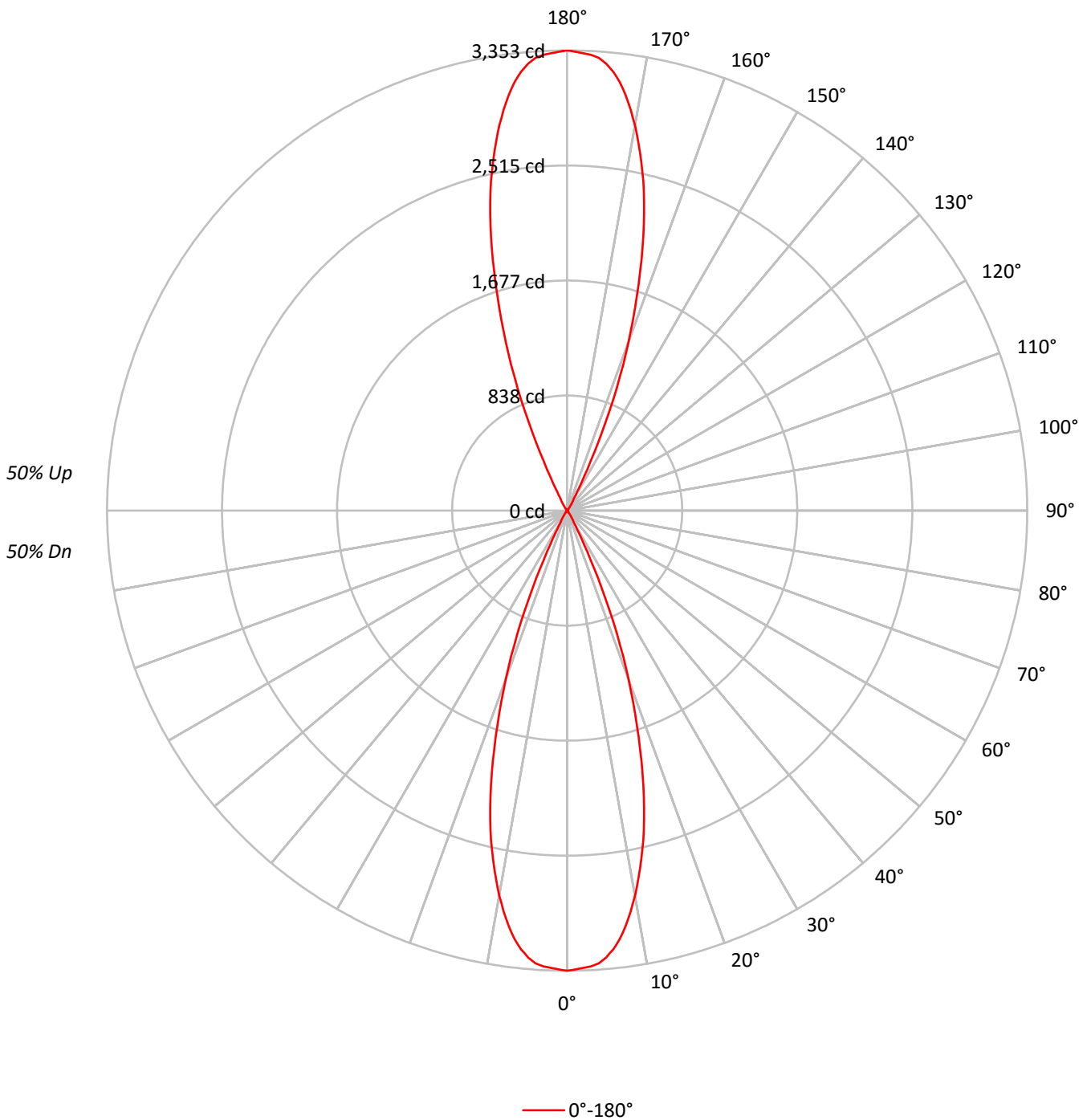
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	735182
5°	719347
10°	634012
15°	489855
20°	304223
25°	112724
30°	23599
35°	8887
40°	3235
45°	2202
50°	1910
55°	1606
60°	1228
65°	726
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	13.0
10°-20°	579.0	25.2
20°-30°	235.9	10.3
30°-40°	24.9	1.1
40°-50°	5.8	0.3
50°-60°	3.7	0.2
60°-70°	1.6	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.6	0.1
120°-130°	3.7	0.2
130°-140°	5.8	0.3
140°-150°	24.9	1.1
150°-160°	235.9	10.3
160°-170°	579.0	25.2
170°-180°	298.4	13.0
0°-30°	1113.3	48.4
0°-40°	1138.2	49.5
0°-60°	1147.8	49.9
0°-90°	1149.7	50.0
90°-120°	2.1	0.1
90°-150°	36.6	1.6
90°-180°	1150.0	50.0
0°-180°	2299.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3353	
5°	3268	298
15°	2158	579
25°	466	236
35°	33	25
45°	7	6
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	2
125°	4	4
135°	7	6
145°	33	25
155°	466	236
165°	2158	579
175°	3268	298
180°	3353	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3352.7
1°	3344.3
2°	3334.4
3°	3325.2
4°	3306.9
5°	3268.0
6°	3215.1
7°	3145.9
8°	3057.7
9°	2957.5
10°	2847.4
11°	2726.7
12°	2598.2
13°	2464.1
14°	2317.3
15°	2157.8
16°	1995.4
17°	1815.4
18°	1647.4
19°	1472.4
20°	1303.7
21°	1139.2
22°	964.9
23°	787.0
24°	618.3
25°	465.9
26°	333.9
27°	227.3
28°	150.3
29°	111.5
30°	93.2
32.5°	61.4
35°	33.2
37.5°	18.4
40°	11.3
42.5°	8.5
45°	7.1
47.5°	6.4
50°	5.6
52.5°	4.9
55°	4.2
57.5°	3.5
60°	2.8
62.5°	2.1
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
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°	0.7
110°	0.7
112.5°	1.4
115°	1.4
117.5°	2.1
120°	2.8
122.5°	3.5
125°	4.2
127.5°	4.9
130°	5.6
132.5°	6.4
135°	7.1
137.5°	8.5
140°	11.3
142.5°	18.4
145°	33.2
147.5°	61.4
150°	93.2
151°	111.5
152°	150.3
153°	227.3
154°	333.9
155°	465.9
156°	618.3
157°	787.0
158°	964.9
159°	1139.2
160°	1303.7
161°	1472.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1647.4
163°	1815.4
164°	1995.4
165°	2157.8
166°	2317.3
167°	2464.1
168°	2598.2
169°	2726.7
170°	2847.4
171°	2957.5
172°	3057.7
173°	3145.9
174°	3215.1
175°	3268.0
176°	3306.9
177°	3325.2
178°	3334.4
179°	3344.3
180°	3352.7

(END OF REPORT)