

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: P221446

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221446
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]-LED3097-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1931.5 lumens
Efficiency: N/A
Efficacy: 48.0 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

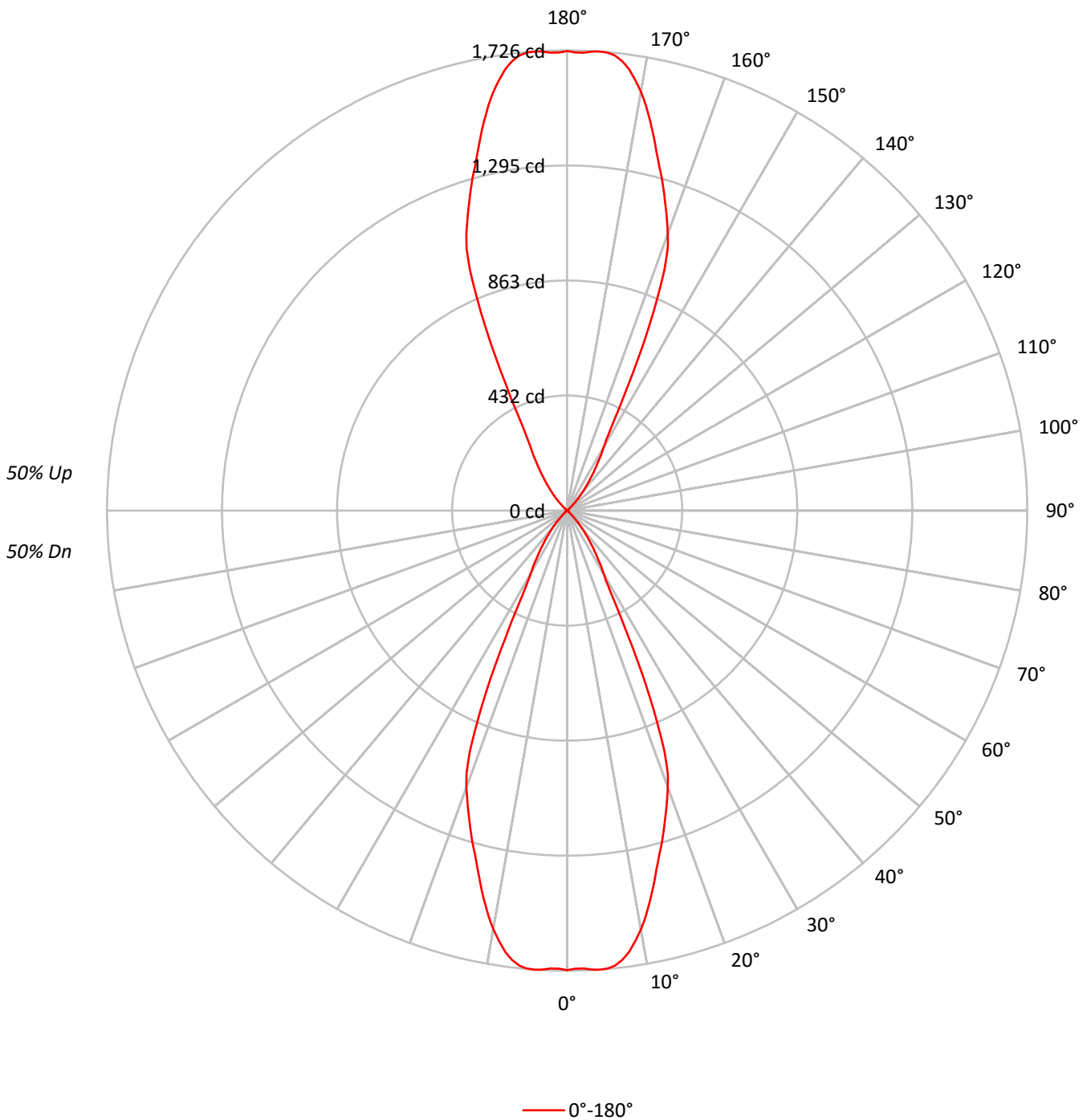
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	377974
5°	379572
10°	355037
15°	303339
20°	257762
25°	153178
30°	69707
35°	44223
40°	25047
45°	9179
50°	2900
55°	2141
60°	1842
65°	1090
70°	449
75°	593
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	8.3
10°-20°	373.4	19.3
20°-30°	289.9	15.0
30°-40°	105.7	5.5
40°-50°	27.9	1.4
50°-60°	5.2	0.3
60°-70°	2.3	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	2.3	0.1
120°-130°	5.2	0.3
130°-140°	27.9	1.4
140°-150°	105.7	5.5
150°-160°	289.9	15.0
160°-170°	373.4	19.3
170°-180°	160.6	8.3
0°-30°	824.0	42.7
0°-40°	929.6	48.1
0°-60°	962.8	49.8
0°-90°	965.7	50.0
90°-120°	3.0	0.2
90°-150°	141.8	7.3
90°-180°	966.0	50.0
0°-180°	1931.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1724	
5°	1724	161
15°	1336	373
25°	633	290
35°	165	106
45°	30	28
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	5
135°	30	28
145°	165	106
155°	633	290
165°	1336	373
175°	1724	161
180°	1724	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1723.7
1°	1718.7
2°	1718.7
3°	1723.7
4°	1726.5
5°	1724.4
6°	1715.9
7°	1698.2
8°	1670.7
9°	1634.7
10°	1594.5
11°	1547.9
12°	1496.4
13°	1442.0
14°	1386.3
15°	1336.2
16°	1291.0
17°	1243.0
18°	1197.1
19°	1150.5
20°	1104.6
21°	1053.8
22°	973.4
23°	867.5
24°	752.4
25°	633.1
26°	520.9
27°	420.7
28°	345.2
29°	302.1
30°	275.3
32.5°	216.7
35°	165.2
37.5°	124.2
40°	87.5
42.5°	57.9
45°	29.6
47.5°	13.4
50°	8.5
52.5°	6.4
55°	5.6
57.5°	4.9
60°	4.2
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	2.1
115°	2.1
117.5°	2.8
120°	4.2
122.5°	4.9
125°	5.6
127.5°	6.4
130°	8.5
132.5°	13.4
135°	29.6
137.5°	57.9
140°	87.5
142.5°	124.2
145°	165.2
147.5°	216.7
150°	275.3
151°	302.1
152°	345.2
153°	420.7
154°	520.9
155°	633.1
156°	752.4
157°	867.5
158°	973.4
159°	1053.8
160°	1104.6
161°	1150.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1197.1
163°	1243.0
164°	1291.0
165°	1336.2
166°	1386.3
167°	1442.0
168°	1496.4
169°	1547.9
170°	1594.5
171°	1634.7
172°	1670.7
173°	1698.2
174°	1715.9
175°	1724.4
176°	1726.5
177°	1723.7
178°	1718.7
179°	1718.7
180°	1723.7

(END OF REPORT)