

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: P221466

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221466
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]-LED3597-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.2 lumens
Efficiency: N/A
Efficacy: 64.9 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

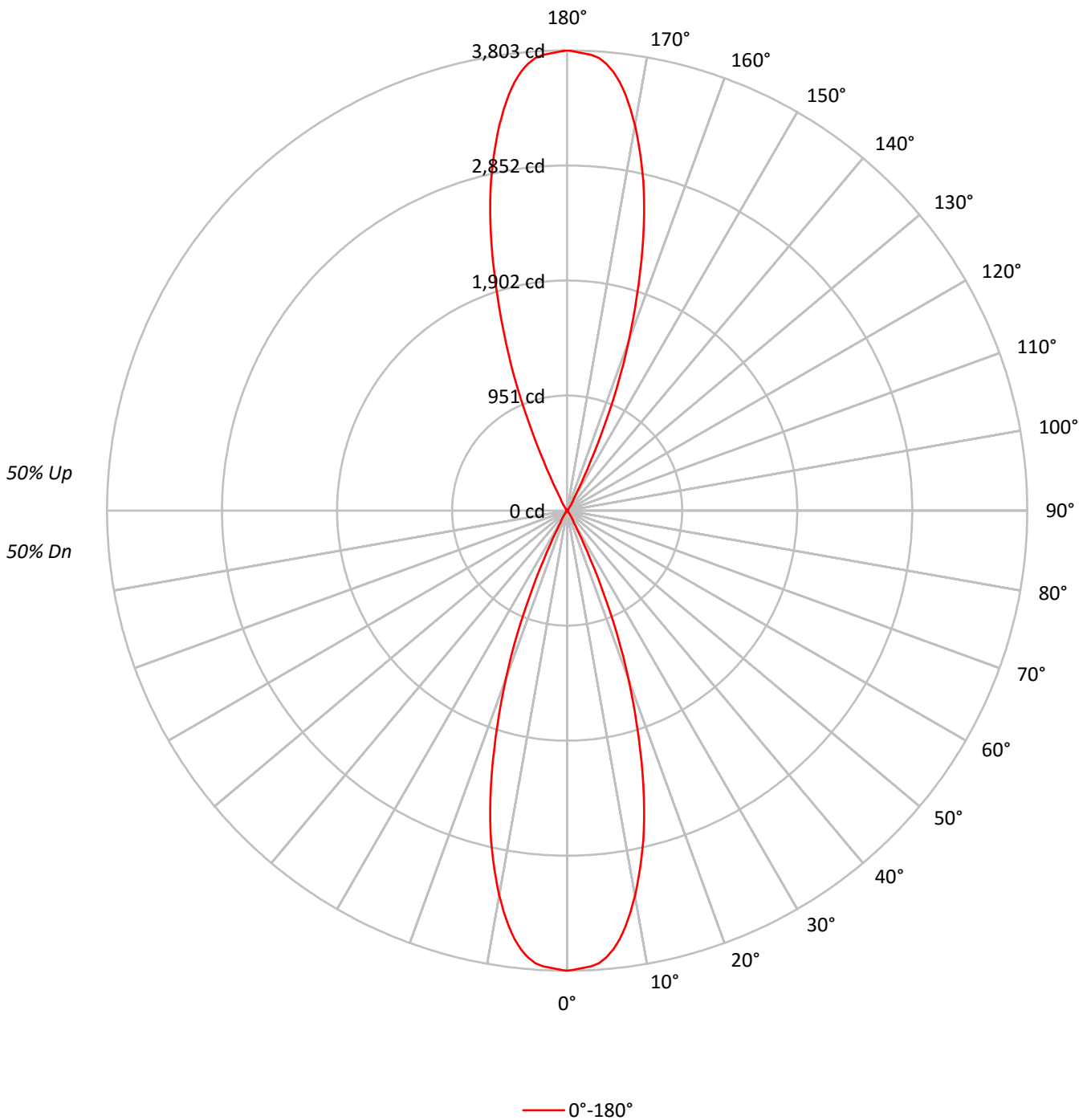
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	833902
5°	815957
10°	719136
15°	555622
20°	345060
25°	127846
30°	26764
35°	10065
40°	3664
45°	2481
50°	2183
55°	1835
60°	1403
65°	830
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	13.0
10°-20°	656.7	25.2
20°-30°	267.5	10.3
30°-40°	28.3	1.1
40°-50°	6.6	0.3
50°-60°	4.3	0.2
60°-70°	1.9	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°	1.9	0.1
120°-130°	4.3	0.2
130°-140°	6.6	0.3
140°-150°	28.3	1.1
150°-160°	267.5	10.3
160°-170°	656.7	25.2
170°-180°	338.5	13.0
0°-30°	1262.8	48.4
0°-40°	1291.1	49.5
0°-60°	1301.9	49.9
0°-90°	1304.1	50.0
90°-120°	2.4	0.1
90°-150°	41.5	1.6
90°-180°	1304.0	50.0
0°-180°	2608.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3803	
5°	3707	339
15°	2448	657
25°	528	268
35°	38	28
45°	8	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	4
135°	8	7
145°	38	28
155°	528	268
165°	2448	657
175°	3707	339
180°	3803	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3802.9
1°	3793.3
2°	3782.1
3°	3771.7
4°	3750.9
5°	3706.9
6°	3646.8
7°	3568.3
8°	3468.3
9°	3354.6
10°	3229.7
11°	3092.8
12°	2947.1
13°	2795.0
14°	2628.4
15°	2447.5
16°	2263.3
17°	2059.2
18°	1868.6
19°	1670.1
20°	1478.7
21°	1292.2
22°	1094.4
23°	892.7
24°	701.3
25°	528.4
26°	378.7
27°	257.8
28°	170.5
29°	126.5
30°	105.7
32.5°	69.7
35°	37.6
37.5°	20.8
40°	12.8
42.5°	9.6
45°	8.0
47.5°	7.2
50°	6.4
52.5°	5.6
55°	4.8
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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°	0.8
110°	0.8
112.5°	1.6
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	4.8
127.5°	5.6
130°	6.4
132.5°	7.2
135°	8.0
137.5°	9.6
140°	12.8
142.5°	20.8
145°	37.6
147.5°	69.7
150°	105.7
151°	126.5
152°	170.5
153°	257.8
154°	378.7
155°	528.4
156°	701.3
157°	892.7
158°	1094.4
159°	1292.2
160°	1478.7
161°	1670.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	1868.6
163°	2059.2
164°	2263.3
165°	2447.5
166°	2628.4
167°	2795.0
168°	2947.1
169°	3092.8
170°	3229.7
171°	3354.6
172°	3468.3
173°	3568.3
174°	3646.8
175°	3706.9
176°	3750.9
177°	3771.7
178°	3782.1
179°	3793.3
180°	3802.9

(END OF REPORT)