

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: P221469

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1252.4 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

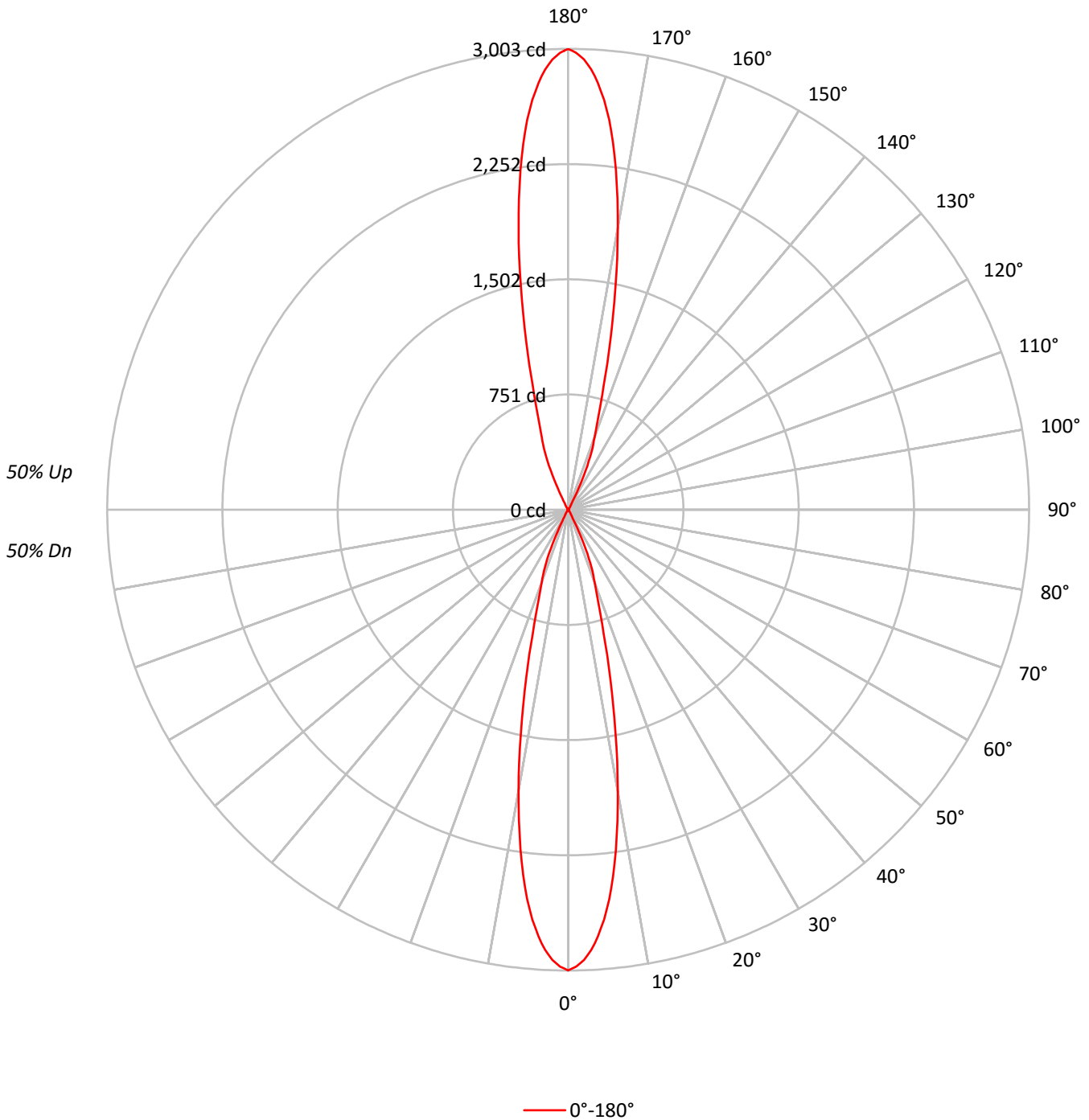
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43				
6	77	68	63	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41				
7	73	65	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40				
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39				
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38				
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	658412
5°	590027
10°	414533
15°	222453
20°	117004
25°	52309
30°	10103
35°	3721
40°	2118
45°	1737
50°	1467
55°	1147
60°	965
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	18.3
10°-20°	276.4	22.1
20°-30°	100.8	8.1
30°-40°	11.1	0.9
40°-50°	4.4	0.3
50°-60°	2.8	0.2
60°-70°	1.3	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°	1.3	0.1
120°-130°	2.8	0.2
130°-140°	4.4	0.3
140°-150°	11.1	0.9
150°-160°	100.8	8.1
160°-170°	276.4	22.1
170°-180°	229.3	18.3
0°-30°	606.5	48.4
0°-40°	617.7	49.3
0°-60°	624.8	49.9
0°-90°	626.2	50.0
90°-120°	1.5	0.1
90°-150°	19.8	1.6
90°-180°	626.0	50.0
0°-180°	1252.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3003	
5°	2680	229
15°	980	276
25°	216	101
35°	14	11
45°	6	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	6	4
145°	14	11
155°	216	101
165°	980	276
175°	2680	229
180°	3003	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3002.6
1°	2978.3
2°	2935.7
3°	2873.2
4°	2786.8
5°	2680.5
6°	2553.3
7°	2403.9
8°	2234.6
9°	2050.9
10°	1861.7
11°	1671.1
12°	1482.2
13°	1303.8
14°	1133.6
15°	979.9
16°	838.8
17°	723.7
18°	630.4
19°	556.6
20°	501.4
21°	456.3
22°	404.6
23°	343.4
24°	279.6
25°	216.2
26°	155.9
27°	102.0
28°	64.3
29°	46.9
30°	39.9
32.5°	26.9
35°	13.9
37.5°	9.1
40°	7.4
42.5°	6.5
45°	5.6
47.5°	4.8
50°	4.3
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	1.7
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
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°	0.9
115°	1.3
117.5°	1.7
120°	2.2
122.5°	2.6
125°	3.0
127.5°	3.5
130°	4.3
132.5°	4.8
135°	5.6
137.5°	6.5
140°	7.4
142.5°	9.1
145°	13.9
147.5°	26.9
150°	39.9
151°	46.9
152°	64.3
153°	102.0
154°	155.9
155°	216.2
156°	279.6
157°	343.4
158°	404.6
159°	456.3
160°	501.4
161°	556.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	630.4
163°	723.7
164°	838.8
165°	979.9
166°	1133.6
167°	1303.8
168°	1482.2
169°	1671.1
170°	1861.7
171°	2050.9
172°	2234.6
173°	2403.9
174°	2553.3
175°	2680.5
176°	2786.8
177°	2873.2
178°	2935.7
179°	2978.3
180°	3002.6

(END OF REPORT)