

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: P221468

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3006.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

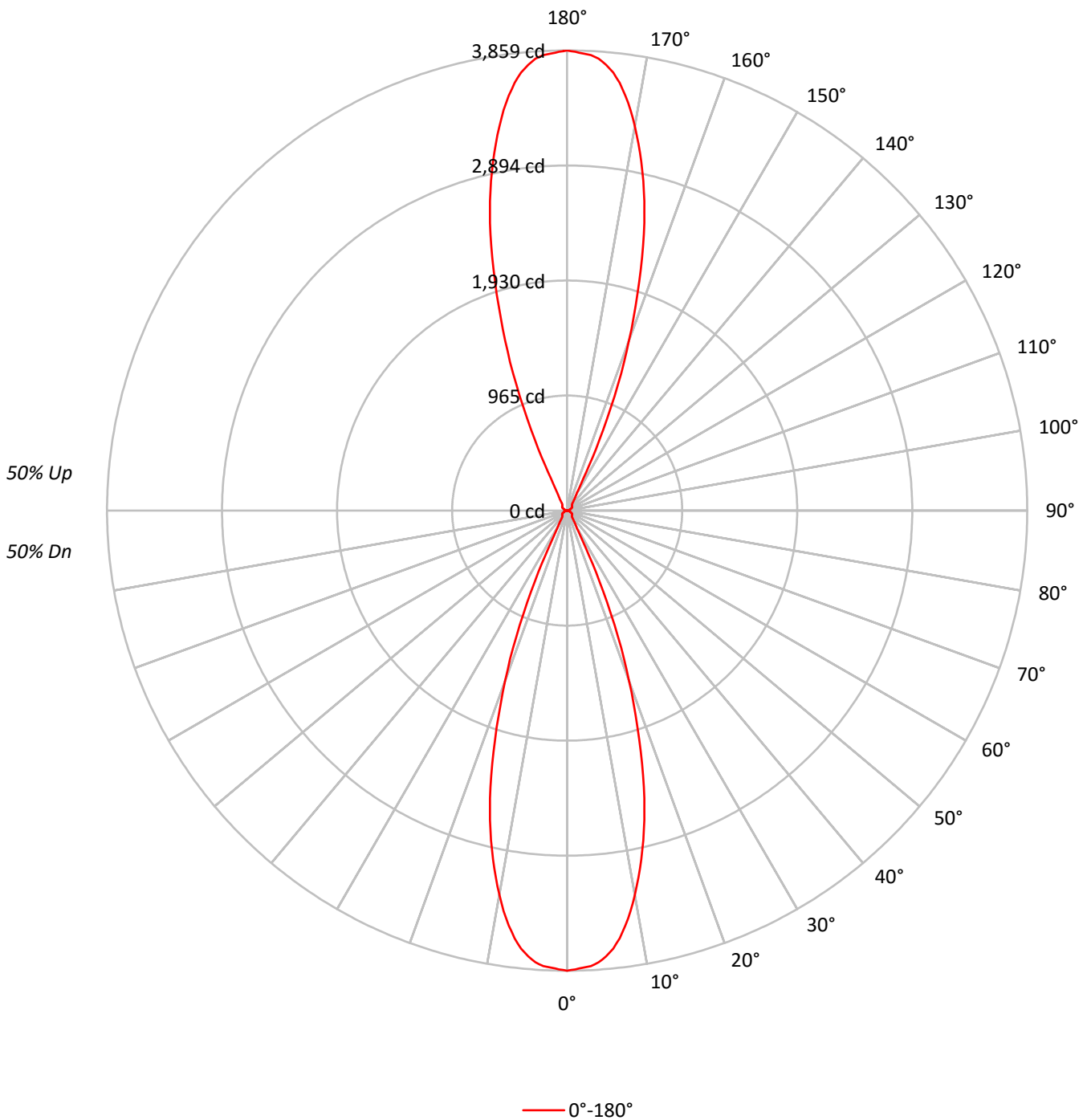
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	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	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	43	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	846204
5°	826170
10°	728755
15°	567063
20°	354231
25°	138298
30°	37702
35°	22085
40°	17633
45°	17862
50°	18831
55°	19268
60°	18946
65°	17434
70°	14874
75°	13556
80°	15153
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.0	11.4
10°-20°	669.5	22.3
20°-30°	287.2	9.6
30°-40°	56.7	1.9
40°-50°	44.9	1.5
50°-60°	44.7	1.5
60°-70°	33.1	1.1
70°-80°	17.7	0.6
80°-90°	6.2	0.2
90°-100°	6.2	0.2
100°-110°	17.7	0.6
110°-120°	33.1	1.1
120°-130°	44.7	1.5
130°-140°	44.9	1.5
140°-150°	56.7	1.9
150°-160°	287.2	9.6
160°-170°	669.5	22.3
170°-180°	343.0	11.4
0°-30°	1299.7	43.2
0°-40°	1356.4	45.1
0°-60°	1445.9	48.1
0°-90°	1503.0	50.0
90°-120°	57.1	1.9
90°-150°	203.3	6.8
90°-180°	1503.0	50.0
0°-180°	3006.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3859	
5°	3753	343
15°	2498	669
25°	572	287
35°	82	57
45°	58	45
55°	50	45
65°	34	33
75°	16	18
85°	6	6
90°	0	1
95°	6	6
105°	16	18
115°	34	33
125°	50	45
135°	58	45
145°	82	57
155°	572	287
165°	2498	669
175°	3753	343
180°	3859	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3859.0
1°	3847.8
2°	3835.7
3°	3824.5
4°	3798.1
5°	3753.3
6°	3693.2
7°	3614.8
8°	3514.7
9°	3401.8
10°	3272.9
11°	3135.2
12°	2991.9
13°	2836.6
14°	2673.2
15°	2497.9
16°	2310.6
17°	2113.6
18°	1910.3
19°	1710.9
20°	1518.0
21°	1334.6
22°	1137.7
23°	935.9
24°	743.8
25°	571.6
26°	421.9
27°	298.6
28°	213.0
29°	168.9
30°	148.9
32.5°	112.9
35°	82.5
37.5°	67.3
40°	61.6
42.5°	59.2
45°	57.6
47.5°	56.8
50°	55.2
52.5°	52.8
55°	50.4
57.5°	47.2
60°	43.2
62.5°	39.2
65°	33.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.0
70°	23.2
72.5°	19.2
75°	16.0
77.5°	14.4
80°	12.0
82.5°	8.8
85°	5.6
87.5°	2.4
90°	0.0
92.5°	2.4
95°	5.6
97.5°	8.8
100°	12.0
102.5°	14.4
105°	16.0
107.5°	19.2
110°	23.2
112.5°	28.0
115°	33.6
117.5°	39.2
120°	43.2
122.5°	47.2
125°	50.4
127.5°	52.8
130°	55.2
132.5°	56.8
135°	57.6
137.5°	59.2
140°	61.6
142.5°	67.3
145°	82.5
147.5°	112.9
150°	148.9
151°	168.9
152°	213.0
153°	298.6
154°	421.9
155°	571.6
156°	743.8
157°	935.9
158°	1137.7
159°	1334.6
160°	1518.0
161°	1710.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1910.3
163°	2113.6
164°	2310.6
165°	2497.9
166°	2673.2
167°	2836.6
168°	2991.9
169°	3135.2
170°	3272.9
171°	3401.8
172°	3514.7
173°	3614.8
174°	3693.2
175°	3753.3
176°	3798.1
177°	3824.5
178°	3835.7
179°	3847.8
180°	3859.0

(END OF REPORT)