

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: P221479

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1477.7 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

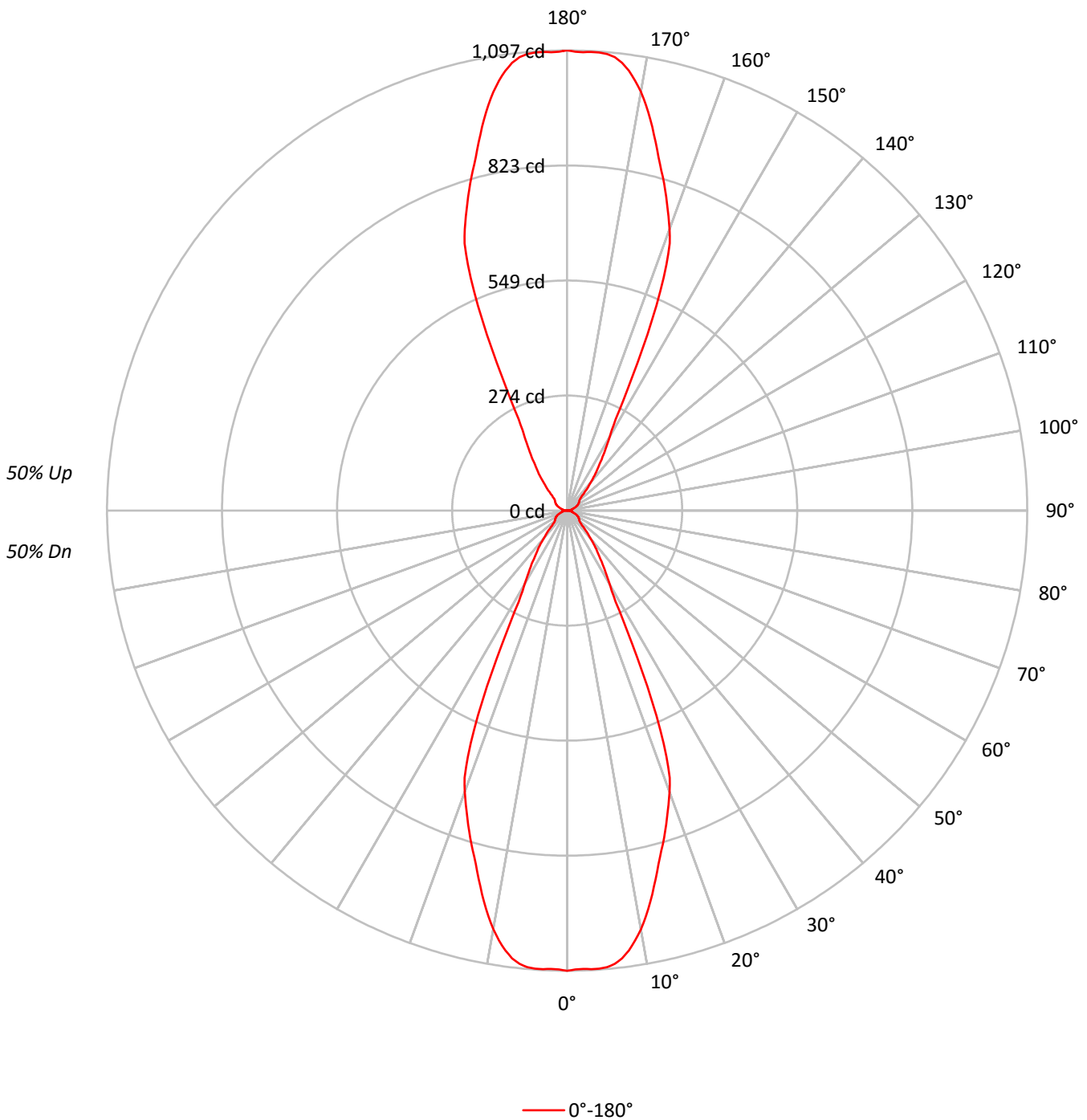
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57	55	52	50	46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37
5	76	66	59	54	70	62	56	52	54	50	47	48	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240573
5°	240435
10°	225625
15°	194076
20°	166661
25°	102635
30°	51223
35°	35924
40°	24990
45°	16033
50°	13032
55°	13266
60°	13508
65°	13075
70°	11669
75°	11014
80°	12123
85°	12077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	6.9
10°-20°	239.2	16.2
20°-30°	194.2	13.1
30°-40°	85.9	5.8
40°-50°	43.0	2.9
50°-60°	31.0	2.1
60°-70°	24.5	1.7
70°-80°	14.0	0.9
80°-90°	5.2	0.4
90°-100°	5.2	0.4
100°-110°	14.0	0.9
110°-120°	24.5	1.7
120°-130°	31.0	2.1
130°-140°	43.0	2.9
140°-150°	85.9	5.8
150°-160°	194.2	13.1
160°-170°	239.2	16.2
170°-180°	101.9	6.9
0°-30°	535.3	36.2
0°-40°	621.1	42.0
0°-60°	695.1	47.0
0°-90°	738.9	50.0
90°-120°	43.7	3.0
90°-150°	203.6	13.8
90°-180°	739.0	50.0
0°-180°	1477.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1097	
5°	1092	102
15°	855	239
25°	424	194
35°	134	86
45°	52	43
55°	35	31
65°	25	25
75°	13	14
85°	5	5
90°	0	1
95°	5	5
105°	13	14
115°	25	25
125°	35	31
135°	52	43
145°	134	86
155°	424	194
165°	855	239
175°	1092	102
180°	1097	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1097.1
1°	1094.1
2°	1093.2
3°	1094.9
4°	1094.9
5°	1092.3
6°	1086.7
7°	1075.4
8°	1058.9
9°	1037.6
10°	1013.3
11°	985.1
12°	953.8
13°	920.0
14°	886.5
15°	854.9
16°	827.5
17°	798.8
18°	770.2
19°	741.5
20°	714.2
21°	682.5
22°	632.6
23°	568.3
24°	498.0
25°	424.2
26°	354.7
27°	293.1
28°	246.2
29°	219.2
30°	202.3
32.5°	165.8
35°	134.2
37.5°	110.7
40°	87.3
42.5°	69.0
45°	51.7
47.5°	41.7
50°	38.2
52.5°	36.5
55°	34.7
57.5°	32.6
60°	30.8
62.5°	28.2
65°	25.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.3
70°	18.2
72.5°	14.8
75°	13.0
77.5°	11.3
80°	9.6
82.5°	7.4
85°	4.8
87.5°	2.2
90°	0.0
92.5°	2.2
95°	4.8
97.5°	7.4
100°	9.6
102.5°	11.3
105°	13.0
107.5°	14.8
110°	18.2
112.5°	21.3
115°	25.2
117.5°	28.2
120°	30.8
122.5°	32.6
125°	34.7
127.5°	36.5
130°	38.2
132.5°	41.7
135°	51.7
137.5°	69.0
140°	87.3
142.5°	110.7
145°	134.2
147.5°	165.8
150°	202.3
151°	219.2
152°	246.2
153°	293.1
154°	354.7
155°	424.2
156°	498.0
157°	568.3
158°	632.6
159°	682.5
160°	714.2
161°	741.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	770.2
163°	798.8
164°	827.5
165°	854.9
166°	886.5
167°	920.0
168°	953.8
169°	985.1
170°	1013.3
171°	1037.6
172°	1058.9
173°	1075.4
174°	1086.7
175°	1092.3
176°	1094.9
177°	1094.9
178°	1093.2
179°	1094.1
180°	1097.1

(END OF REPORT)