

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: P221471

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1501.7 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

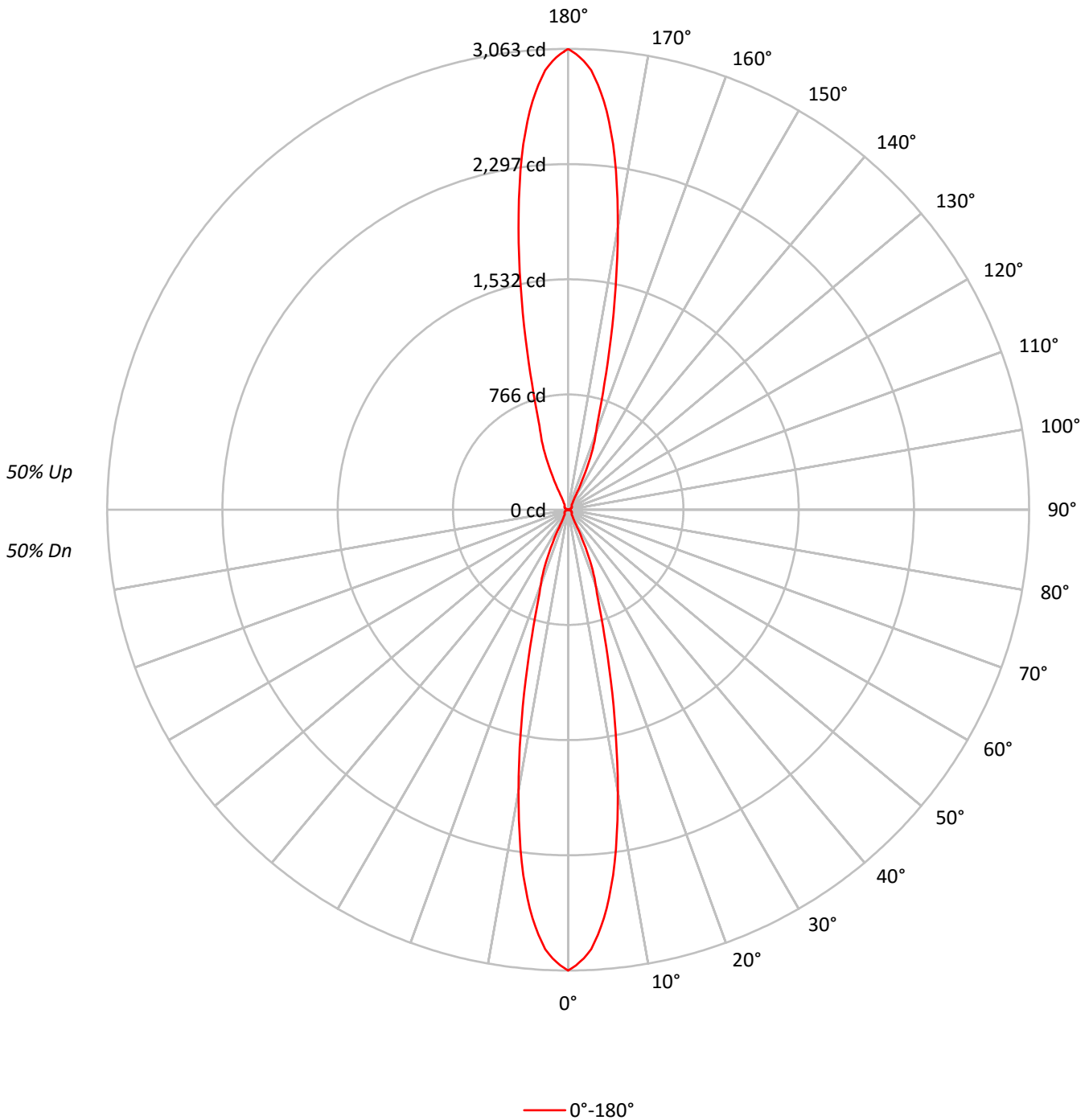
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	61	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	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	671744
5°	600153
10°	423127
15°	229945
20°	124401
25°	59350
30°	17142
35°	11163
40°	10191
45°	10513
50°	11121
55°	11775
60°	11622
65°	11052
70°	9168
75°	8133
80°	9345
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	15.5
10°-20°	285.9	19.0
20°-30°	114.3	7.6
30°-40°	28.6	1.9
40°-50°	26.3	1.8
50°-60°	27.1	1.8
60°-70°	20.6	1.4
70°-80°	10.7	0.7
80°-90°	3.8	0.3
90°-100°	3.8	0.3
100°-110°	10.7	0.7
110°-120°	20.6	1.4
120°-130°	27.1	1.8
130°-140°	26.3	1.8
140°-150°	28.6	1.9
150°-160°	114.3	7.6
160°-170°	285.9	19.0
170°-180°	233.5	15.5
0°-30°	633.6	42.2
0°-40°	662.3	44.1
0°-60°	715.7	47.7
0°-90°	750.8	50.0
90°-120°	35.1	2.3
90°-150°	117.2	7.8
90°-180°	751.0	50.0
0°-180°	1501.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3063	
5°	2726	233
15°	1013	286
25°	245	114
35°	42	29
45°	34	26
55°	31	27
65°	21	21
75°	10	11
85°	4	4
90°	0	0
95°	4	4
105°	10	11
115°	21	21
125°	31	27
135°	34	26
145°	42	29
155°	245	114
165°	1013	286
175°	2726	233
180°	3063	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3063.4
1°	3029.5
2°	2983.9
3°	2924.5
4°	2831.6
5°	2726.5
6°	2594.9
7°	2449.1
8°	2277.1
9°	2089.6
10°	1900.3
11°	1707.5
12°	1517.8
13°	1340.7
14°	1169.6
15°	1012.9
16°	870.9
17°	755.4
18°	661.2
19°	587.8
20°	533.1
21°	487.1
22°	434.6
23°	374.2
24°	309.1
25°	245.3
26°	183.6
27°	131.1
28°	92.5
29°	74.7
30°	67.7
32.5°	54.3
35°	41.7
37.5°	37.3
40°	35.6
42.5°	34.7
45°	33.9
47.5°	33.4
50°	32.6
52.5°	32.1
55°	30.8
57.5°	28.7
60°	26.5
62.5°	24.3
65°	21.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.4
70°	14.3
72.5°	11.3
75°	9.6
77.5°	8.7
80°	7.4
82.5°	5.2
85°	3.5
87.5°	1.7
90°	0.0
92.5°	1.7
95°	3.5
97.5°	5.2
100°	7.4
102.5°	8.7
105°	9.6
107.5°	11.3
110°	14.3
112.5°	17.4
115°	21.3
117.5°	24.3
120°	26.5
122.5°	28.7
125°	30.8
127.5°	32.1
130°	32.6
132.5°	33.4
135°	33.9
137.5°	34.7
140°	35.6
142.5°	37.3
145°	41.7
147.5°	54.3
150°	67.7
151°	74.7
152°	92.5
153°	131.1
154°	183.6
155°	245.3
156°	309.1
157°	374.2
158°	434.6
159°	487.1
160°	533.1
161°	587.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	661.2
163°	755.4
164°	870.9
165°	1012.9
166°	1169.6
167°	1340.7
168°	1517.8
169°	1707.5
170°	1900.3
171°	2089.6
172°	2277.1
173°	2449.1
174°	2594.9
175°	2726.5
176°	2831.6
177°	2924.5
178°	2983.9
179°	3029.5
180°	3063.4

(END OF REPORT)