

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: P221645

Luminaire Tested: **9003-W2-FL-LED3597-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3597-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1414.9 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

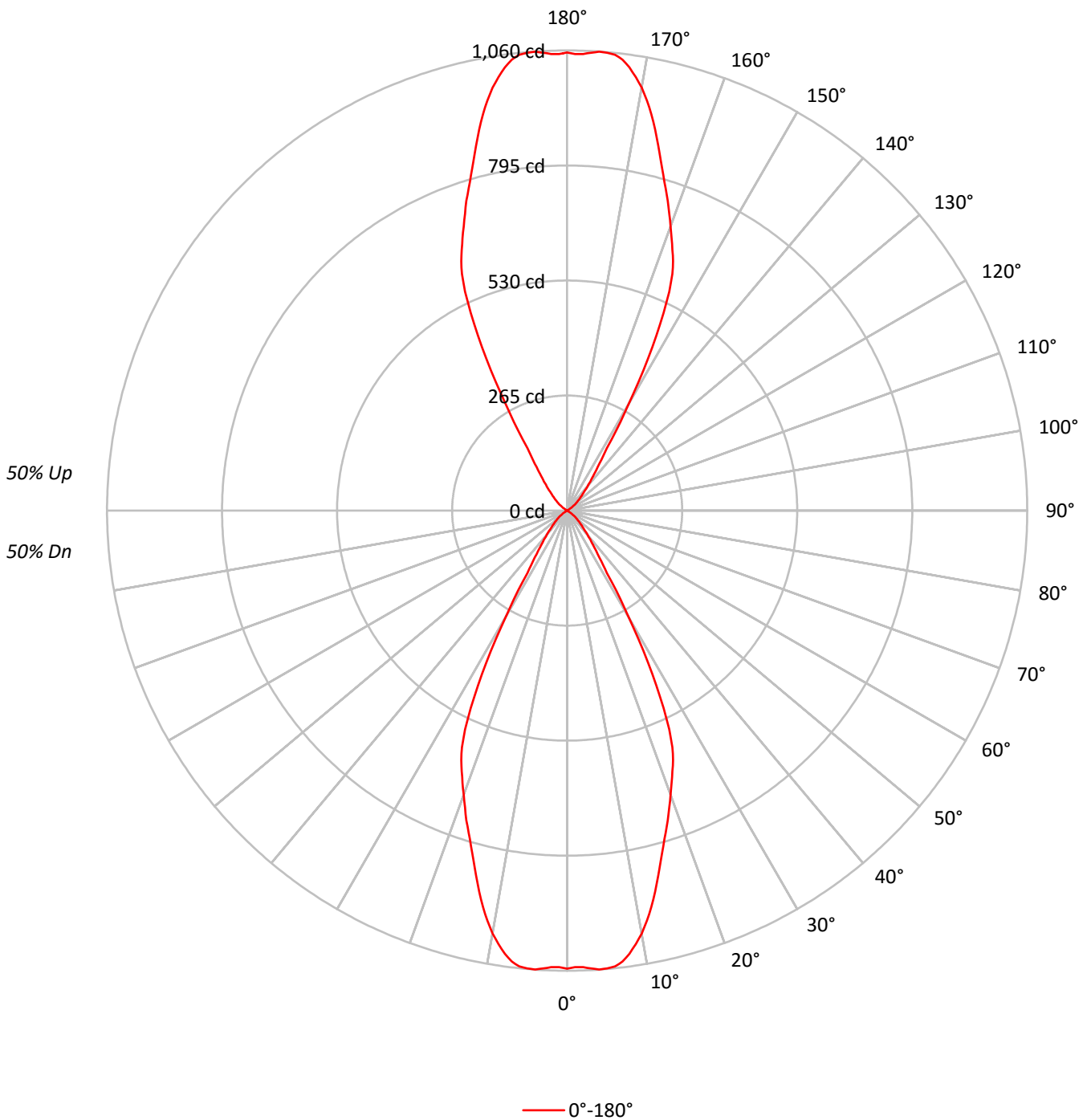
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	231341
5°	233083
10°	220214
15°	189422
20°	162601
25°	134572
30°	71783
35°	32658
40°	20868
45°	13738
50°	9620
55°	4817
60°	1140
65°	1141
70°	1090
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	7.0
10°-20°	233.4	16.5
20°-30°	238.5	16.9
30°-40°	86.4	6.1
40°-50°	35.6	2.5
50°-60°	11.5	0.8
60°-70°	2.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	1.0	0.1
110°-120°	2.0	0.1
120°-130°	11.5	0.8
130°-140°	35.6	2.5
140°-150°	86.4	6.1
150°-160°	238.5	16.9
160°-170°	233.4	16.5
170°-180°	99.0	7.0
0°-30°	570.8	40.3
0°-40°	657.1	46.4
0°-60°	704.2	49.8
0°-90°	707.5	50.0
90°-120°	3.3	0.2
90°-150°	136.7	9.7
90°-180°	707.0	50.0
0°-180°	1414.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1055	
5°	1059	99
15°	834	233
25°	556	238
35°	122	86
45°	44	36
55°	13	11
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	13	11
135°	44	36
145°	122	86
155°	556	238
165°	834	233
175°	1059	99
180°	1055	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1055.0
1°	1052.0
2°	1052.4
3°	1056.3
4°	1059.8
5°	1058.9
6°	1055.9
7°	1046.3
8°	1031.1
9°	1011.1
10°	989.0
11°	962.5
12°	933.4
13°	900.9
14°	867.0
15°	834.4
16°	803.2
17°	775.8
18°	750.7
19°	722.9
20°	696.8
21°	672.1
22°	647.8
23°	624.3
24°	596.5
25°	556.2
26°	506.7
27°	452.8
28°	395.9
29°	338.6
30°	283.5
32.5°	170.2
35°	122.0
37.5°	94.2
40°	72.9
42.5°	55.6
45°	44.3
47.5°	35.6
50°	28.2
52.5°	20.8
55°	12.6
57.5°	3.5
60°	2.6
62.5°	2.2
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.3
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	1.3
110°	1.7
112.5°	1.7
115°	2.2
117.5°	2.2
120°	2.6
122.5°	3.5
125°	12.6
127.5°	20.8
130°	28.2
132.5°	35.6
135°	44.3
137.5°	55.6
140°	72.9
142.5°	94.2
145°	122.0
147.5°	170.2
150°	283.5
151°	338.6
152°	395.9
153°	452.8
154°	506.7
155°	556.2
156°	596.5
157°	624.3
158°	647.8
159°	672.1
160°	696.8
161°	722.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	750.7
163°	775.8
164°	803.2
165°	834.4
166°	867.0
167°	900.9
168°	933.4
169°	962.5
170°	989.0
171°	1011.1
172°	1031.1
173°	1046.3
174°	1055.9
175°	1058.9
176°	1059.8
177°	1056.3
178°	1052.4
179°	1052.0
180°	1055.0

(END OF REPORT)