

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: P221629

Luminaire Tested: **9003-W2-FL-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221629
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-LED3590-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1428.5 lumens
Efficiency: N/A
Efficacy: 72.9 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

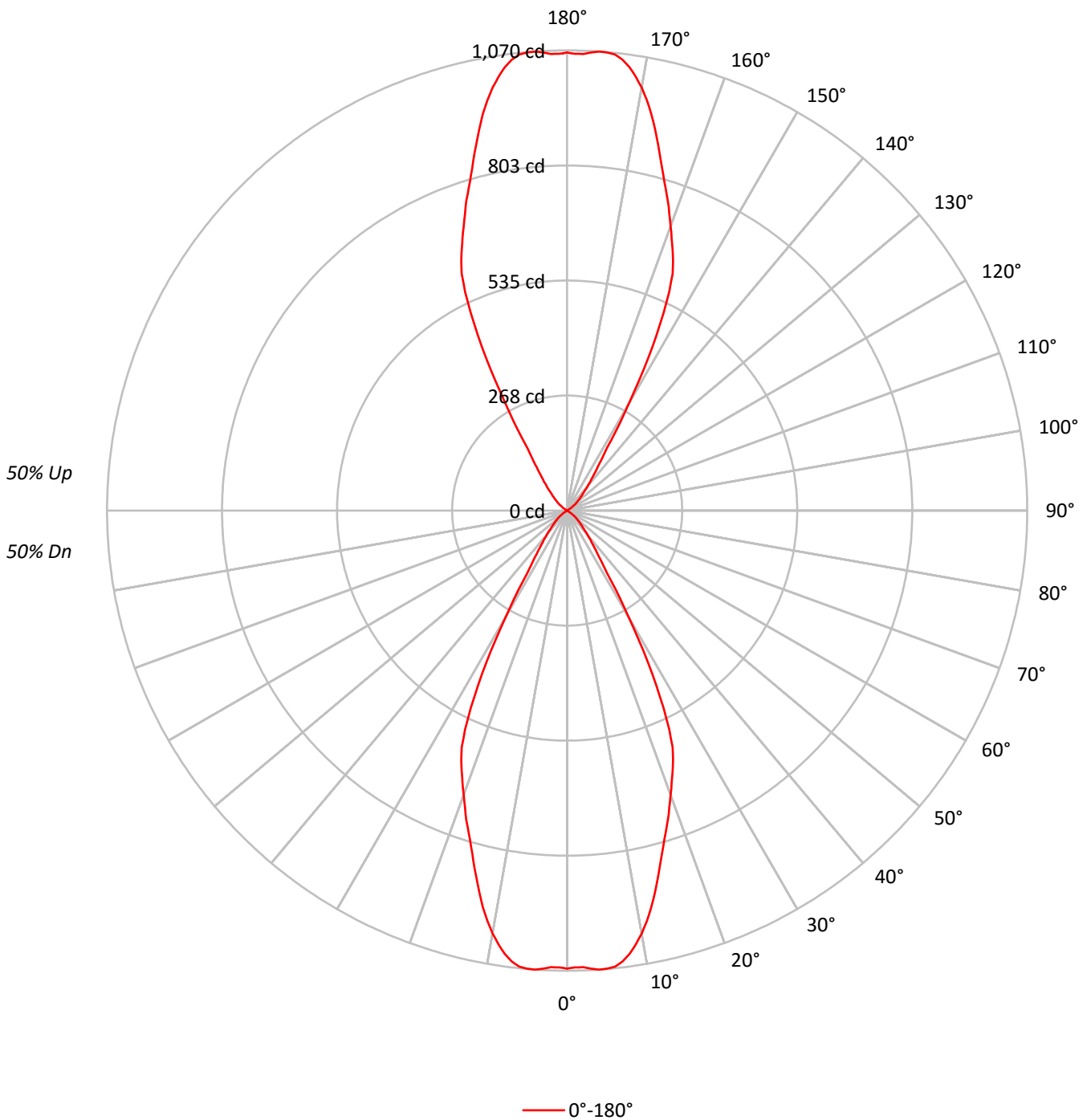
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	233578
5°	235328
10°	222329
15°	191261
20°	164164
25°	135855
30°	72467
35°	32980
40°	21068
45°	13862
50°	9722
55°	4855
60°	1140
65°	1141
70°	1154
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	7.0
10°-20°	235.6	16.5
20°-30°	240.8	16.9
30°-40°	87.2	6.1
40°-50°	35.9	2.5
50°-60°	11.6	0.8
60°-70°	2.1	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°	2.1	0.1
120°-130°	11.6	0.8
130°-140°	35.9	2.5
140°-150°	87.2	6.1
150°-160°	240.8	16.9
160°-170°	235.6	16.5
170°-180°	99.9	7.0
0°-30°	576.3	40.3
0°-40°	663.5	46.4
0°-60°	710.9	49.8
0°-90°	714.3	50.0
90°-120°	3.3	0.2
90°-150°	138.0	9.7
90°-180°	714.0	50.0
0°-180°	1428.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1065	
5°	1069	100
15°	842	236
25°	562	241
35°	123	87
45°	45	36
55°	13	12
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	13	12
135°	45	36
145°	123	87
155°	562	241
165°	842	236
175°	1069	100
180°	1065	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1065.2
1°	1062.1
2°	1062.5
3°	1066.5
4°	1070.0
5°	1069.1
6°	1066.0
7°	1056.4
8°	1041.0
9°	1020.9
10°	998.5
11°	971.8
12°	942.4
13°	909.5
14°	875.4
15°	842.5
16°	810.9
17°	783.3
18°	757.9
19°	729.8
20°	703.5
21°	678.5
22°	654.0
23°	630.3
24°	602.3
25°	561.5
26°	511.5
27°	457.2
28°	399.8
29°	341.9
30°	286.2
32.5°	171.8
35°	123.2
37.5°	95.1
40°	73.6
42.5°	56.1
45°	44.7
47.5°	35.9
50°	28.5
52.5°	21.0
55°	12.7
57.5°	3.5
60°	2.6
62.5°	2.2
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	1.8
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°	1.8
112.5°	1.8
115°	2.2
117.5°	2.2
120°	2.6
122.5°	3.5
125°	12.7
127.5°	21.0
130°	28.5
132.5°	35.9
135°	44.7
137.5°	56.1
140°	73.6
142.5°	95.1
145°	123.2
147.5°	171.8
150°	286.2
151°	341.9
152°	399.8
153°	457.2
154°	511.5
155°	561.5
156°	602.3
157°	630.3
158°	654.0
159°	678.5
160°	703.5
161°	729.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	757.9
163°	783.3
164°	810.9
165°	842.5
166°	875.4
167°	909.5
168°	942.4
169°	971.8
170°	998.5
171°	1020.9
172°	1041.0
173°	1056.4
174°	1066.0
175°	1069.1
176°	1070.0
177°	1066.5
178°	1062.5
179°	1062.1
180°	1065.2

(END OF REPORT)