

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: P221461

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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]-LED3590-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1199.4 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

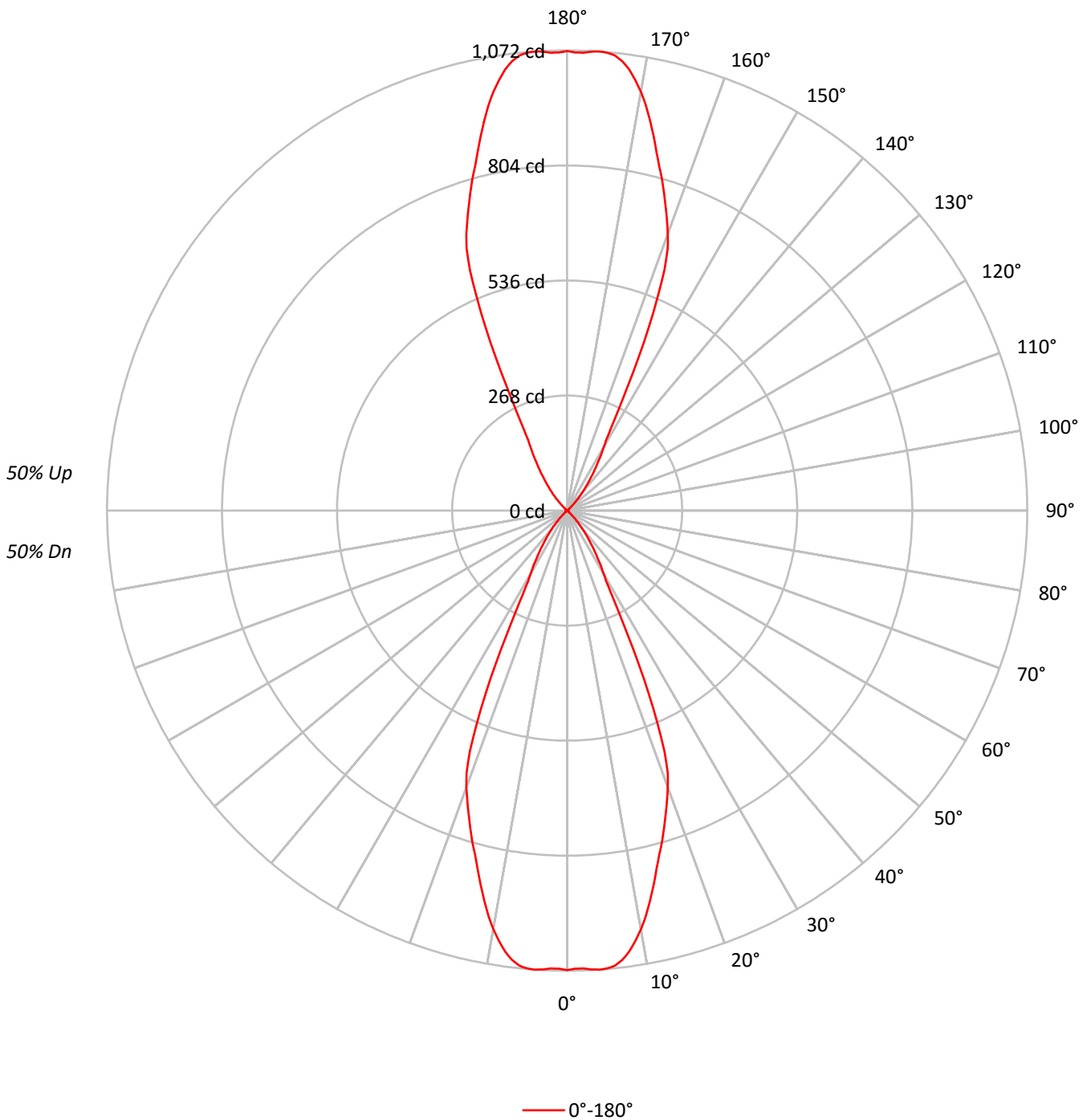
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74		65	64	63		54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66		61	59	57		51	50	49	45
3	88	81	76	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	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44		45	42	40		40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38		41	38	36		37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36		39	36	34		35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234718
5°	235725
10°	220481
15°	188378
20°	160081
25°	95135
30°	43298
35°	27465
40°	15572
45°	5706
50°	1808
55°	1338
60°	1140
65°	675
70°	256
75°	339
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	8.3
10°-20°	231.9	19.3
20°-30°	180.0	15.0
30°-40°	65.6	5.5
40°-50°	17.4	1.4
50°-60°	3.2	0.3
60°-70°	1.5	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.5	0.1
120°-130°	3.2	0.3
130°-140°	17.4	1.4
140°-150°	65.6	5.5
150°-160°	180.0	15.0
160°-170°	231.9	19.3
170°-180°	99.7	8.3
0°-30°	511.7	42.7
0°-40°	577.3	48.1
0°-60°	597.9	49.8
0°-90°	599.7	50.0
90°-120°	1.8	0.2
90°-150°	88.0	7.3
90°-180°	600.0	50.0
0°-180°	1199.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1070	
5°	1071	100
15°	830	232
25°	393	180
35°	103	66
45°	18	17
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	4	3
135°	18	17
145°	103	66
155°	393	180
165°	830	232
175°	1071	100
180°	1070	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1070.4
1°	1067.3
2°	1067.3
3°	1070.4
4°	1072.2
5°	1070.9
6°	1065.6
7°	1054.6
8°	1037.5
9°	1015.2
10°	990.2
11°	961.3
12°	929.3
13°	895.5
14°	860.9
15°	829.8
16°	801.7
17°	771.9
18°	743.4
19°	714.5
20°	686.0
21°	654.4
22°	604.5
23°	538.7
24°	467.3
25°	393.2
26°	323.5
27°	261.2
28°	214.3
29°	187.6
30°	171.0
32.5°	134.6
35°	102.6
37.5°	77.1
40°	54.4
42.5°	35.9
45°	18.4
47.5°	8.3
50°	5.3
52.5°	3.9
55°	3.5
57.5°	3.1
60°	2.6
62.5°	1.8
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	1.3
115°	1.3
117.5°	1.8
120°	2.6
122.5°	3.1
125°	3.5
127.5°	3.9
130°	5.3
132.5°	8.3
135°	18.4
137.5°	35.9
140°	54.4
142.5°	77.1
145°	102.6
147.5°	134.6
150°	171.0
151°	187.6
152°	214.3
153°	261.2
154°	323.5
155°	393.2
156°	467.3
157°	538.7
158°	604.5
159°	654.4
160°	686.0
161°	714.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	743.4
163°	771.9
164°	801.7
165°	829.8
166°	860.9
167°	895.5
168°	929.3
169°	961.3
170°	990.2
171°	1015.2
172°	1037.5
173°	1054.6
174°	1065.6
175°	1070.9
176°	1072.2
177°	1070.4
178°	1067.3
179°	1067.3
180°	1070.4

(END OF REPORT)