

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: P221462

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221462
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-L2-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: 2212.0 lumens
Efficiency: N/A
Efficacy: 55.0 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

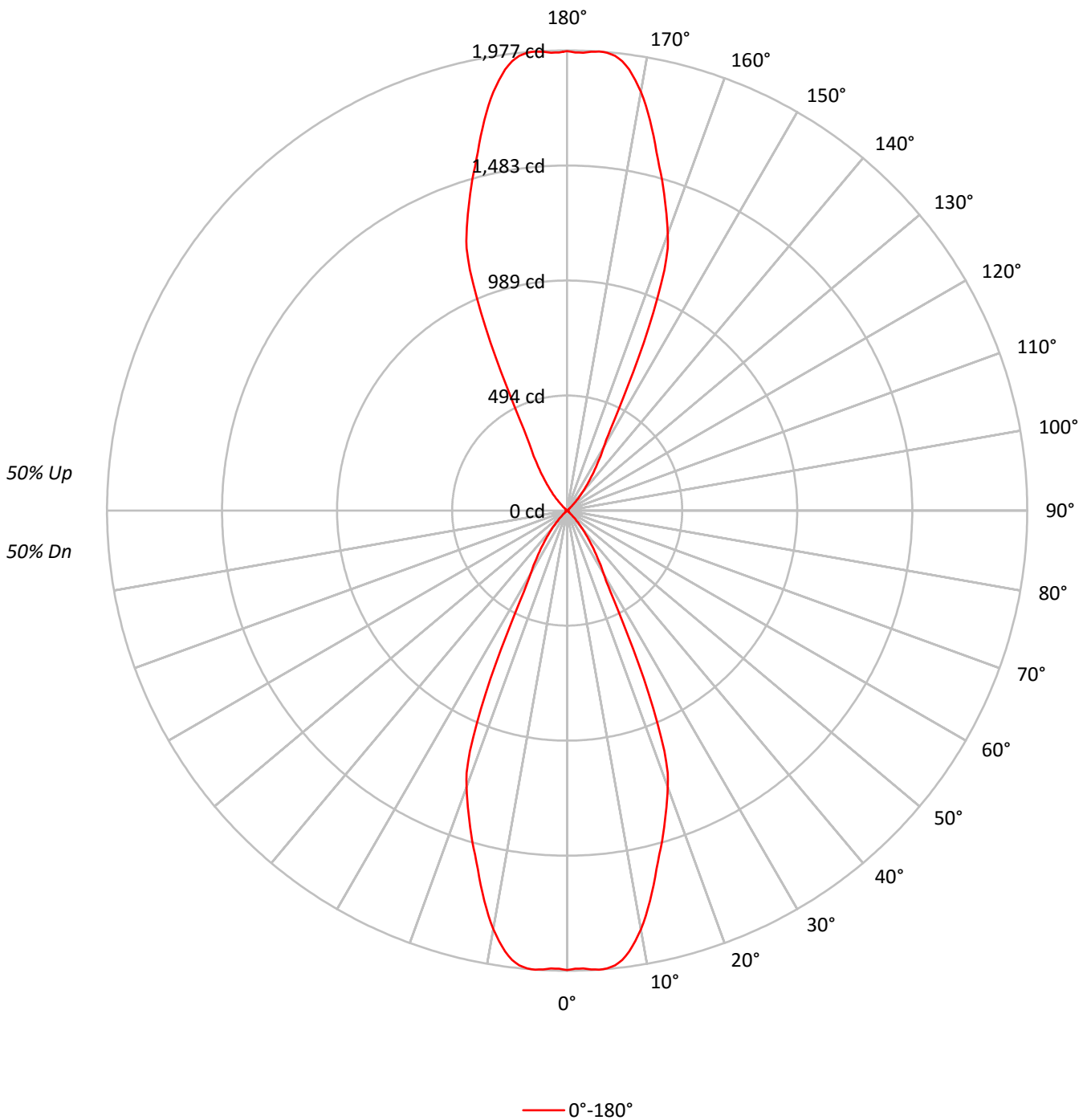
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	432838
5°	434668
10°	406583
15°	347380
20°	295192
25°	175438
30°	79810
35°	50621
40°	28682
45°	10513
50°	3309
55°	2485
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	8.3
10°-20°	427.7	19.3
20°-30°	332.0	15.0
30°-40°	121.0	5.5
40°-50°	32.0	1.4
50°-60°	6.0	0.3
60°-70°	2.7	0.1
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.7	0.1
120°-130°	6.0	0.3
130°-140°	32.0	1.4
140°-150°	121.0	5.5
150°-160°	332.0	15.0
160°-170°	427.7	19.3
170°-180°	183.9	8.3
0°-30°	943.6	42.7
0°-40°	1064.6	48.1
0°-60°	1102.6	49.8
0°-90°	1106.0	50.0
90°-120°	3.4	0.2
90°-150°	162.4	7.3
90°-180°	1106.0	50.0
0°-180°	2212.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1974	
5°	1975	184
15°	1530	428
25°	725	332
35°	189	121
45°	34	32
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	6	6
135°	34	32
145°	189	121
155°	725	332
165°	1530	428
175°	1975	184
180°	1974	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1973.9
1°	1968.3
2°	1968.3
3°	1973.9
4°	1977.2
5°	1974.7
6°	1965.0
7°	1944.8
8°	1913.3
9°	1872.1
10°	1826.0
11°	1772.7
12°	1713.7
13°	1651.4
14°	1587.6
15°	1530.2
16°	1478.4
17°	1423.5
18°	1370.9
19°	1317.6
20°	1265.0
21°	1206.8
22°	1114.7
23°	993.4
24°	861.7
25°	725.1
26°	596.5
27°	481.8
28°	395.3
29°	346.0
30°	315.2
32.5°	248.2
35°	189.1
37.5°	142.3
40°	100.2
42.5°	66.3
45°	33.9
47.5°	15.4
50°	9.7
52.5°	7.3
55°	6.5
57.5°	5.7
60°	4.8
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	2.4
115°	2.4
117.5°	3.2
120°	4.8
122.5°	5.7
125°	6.5
127.5°	7.3
130°	9.7
132.5°	15.4
135°	33.9
137.5°	66.3
140°	100.2
142.5°	142.3
145°	189.1
147.5°	248.2
150°	315.2
151°	346.0
152°	395.3
153°	481.8
154°	596.5
155°	725.1
156°	861.7
157°	993.4
158°	1114.7
159°	1206.8
160°	1265.0
161°	1317.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1370.9
163°	1423.5
164°	1478.4
165°	1530.2
166°	1587.6
167°	1651.4
168°	1713.7
169°	1772.7
170°	1826.0
171°	1872.1
172°	1913.3
173°	1944.8
174°	1965.0
175°	1974.7
176°	1977.2
177°	1973.9
178°	1968.3
179°	1968.3
180°	1973.9

(END OF REPORT)