

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: P221453

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.6 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

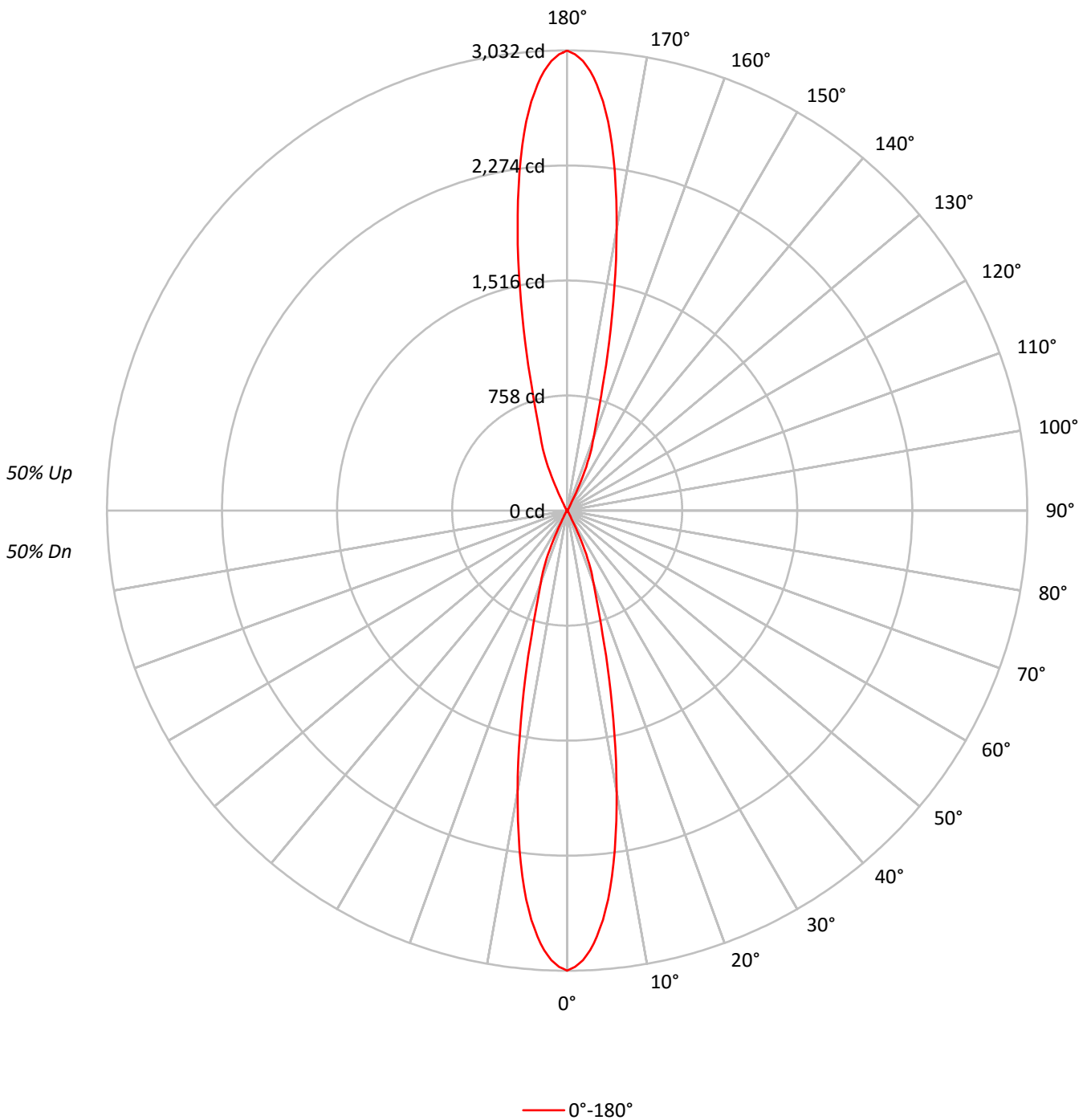
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	64	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	664749
5°	595706
10°	418518
15°	224587
20°	118147
25°	52818
30°	10204
35°	3748
40°	2147
45°	1768
50°	1501
55°	1185
60°	965
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	18.3
10°-20°	279.0	22.1
20°-30°	101.8	8.1
30°-40°	11.3	0.9
40°-50°	4.4	0.4
50°-60°	2.8	0.2
60°-70°	1.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.3	0.1
120°-130°	2.8	0.2
130°-140°	4.4	0.4
140°-150°	11.3	0.9
150°-160°	101.8	8.1
160°-170°	279.0	22.1
170°-180°	231.5	18.3
0°-30°	612.4	48.4
0°-40°	623.6	49.3
0°-60°	630.8	49.9
0°-90°	632.3	50.0
90°-120°	1.6	0.1
90°-150°	20.0	1.6
90°-180°	632.0	50.0
0°-180°	1264.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3032	
5°	2706	232
15°	989	279
25°	218	102
35°	14	11
45°	6	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	6	4
145°	14	11
155°	218	102
165°	989	279
175°	2706	232
180°	3032	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3031.5
1°	3007.0
2°	2964.0
3°	2900.9
4°	2813.7
5°	2706.3
6°	2577.9
7°	2427.1
8°	2256.1
9°	2070.7
10°	1879.6
11°	1687.2
12°	1496.5
13°	1316.3
14°	1144.5
15°	989.3
16°	846.9
17°	730.7
18°	636.5
19°	561.9
20°	506.3
21°	460.7
22°	408.5
23°	346.7
24°	282.3
25°	218.3
26°	157.4
27°	103.0
28°	64.9
29°	47.3
30°	40.3
32.5°	27.2
35°	14.0
37.5°	9.2
40°	7.5
42.5°	6.6
45°	5.7
47.5°	4.8
50°	4.4
52.5°	3.5
55°	3.1
57.5°	2.6
60°	2.2
62.5°	1.8
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.9
115°	1.3
117.5°	1.8
120°	2.2
122.5°	2.6
125°	3.1
127.5°	3.5
130°	4.4
132.5°	4.8
135°	5.7
137.5°	6.6
140°	7.5
142.5°	9.2
145°	14.0
147.5°	27.2
150°	40.3
151°	47.3
152°	64.9
153°	103.0
154°	157.4
155°	218.3
156°	282.3
157°	346.7
158°	408.5
159°	460.7
160°	506.3
161°	561.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	636.5
163°	730.7
164°	846.9
165°	989.3
166°	1144.5
167°	1316.3
168°	1496.5
169°	1687.2
170°	1879.6
171°	2070.7
172°	2256.1
173°	2427.1
174°	2577.9
175°	2706.3
176°	2813.7
177°	2900.9
178°	2964.0
179°	3007.0
180°	3031.5

(END OF REPORT)