

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: P221450

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2633.3 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

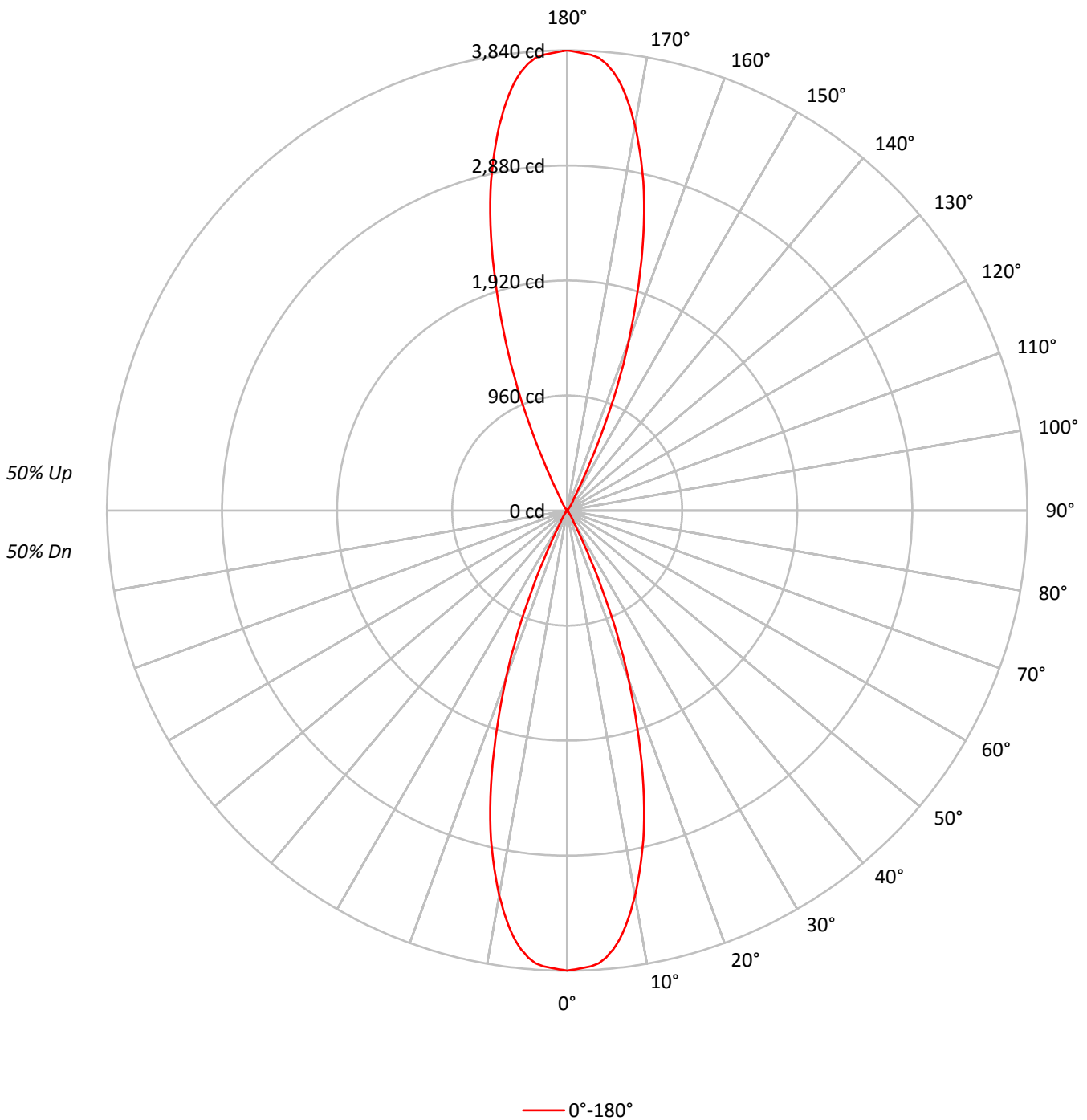
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	74	65	64	64	54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58	56	54	52	49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54	53	51	49	47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51	51	48	46	45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48	49	46	44	44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45	47	44	42	42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43	45	42	41	41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41	44	41	39	40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	841950
5°	823815
10°	726061
15°	560979
20°	348397
25°	129080
30°	27017
35°	10172
40°	3693
45°	2512
50°	2217
55°	1835
60°	1403
65°	830
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.8	13.0
10°-20°	663.1	25.2
20°-30°	270.1	10.3
30°-40°	28.5	1.1
40°-50°	6.7	0.3
50°-60°	4.3	0.2
60°-70°	1.9	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.9	0.1
120°-130°	4.3	0.2
130°-140°	6.7	0.3
140°-150°	28.5	1.1
150°-160°	270.1	10.3
160°-170°	663.1	25.2
170°-180°	341.8	13.0
0°-30°	1275.0	48.4
0°-40°	1303.5	49.5
0°-60°	1314.5	49.9
0°-90°	1316.7	50.0
90°-120°	2.4	0.1
90°-150°	41.9	1.6
90°-180°	1317.0	50.0
0°-180°	2633.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3840	
5°	3743	342
15°	2471	663
25°	534	270
35°	38	29
45°	8	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	4
135°	8	7
145°	38	29
155°	534	270
165°	2471	663
175°	3743	342
180°	3840	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3839.6
1°	3829.9
2°	3818.5
3°	3808.0
4°	3787.0
5°	3742.6
6°	3681.9
7°	3602.7
8°	3501.7
9°	3386.9
10°	3260.8
11°	3122.6
12°	2975.5
13°	2821.9
14°	2653.7
15°	2471.1
16°	2285.1
17°	2079.0
18°	1886.6
19°	1686.2
20°	1493.0
21°	1304.6
22°	1105.0
23°	901.3
24°	708.1
25°	533.5
26°	382.3
27°	260.3
28°	172.2
29°	127.7
30°	106.7
32.5°	70.3
35°	38.0
37.5°	21.0
40°	12.9
42.5°	9.7
45°	8.1
47.5°	7.3
50°	6.5
52.5°	5.7
55°	4.8
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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°	0.8
110°	0.8
112.5°	1.6
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	4.8
127.5°	5.7
130°	6.5
132.5°	7.3
135°	8.1
137.5°	9.7
140°	12.9
142.5°	21.0
145°	38.0
147.5°	70.3
150°	106.7
151°	127.7
152°	172.2
153°	260.3
154°	382.3
155°	533.5
156°	708.1
157°	901.3
158°	1105.0
159°	1304.6
160°	1493.0
161°	1686.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	1886.6
163°	2079.0
164°	2285.1
165°	2471.1
166°	2653.7
167°	2821.9
168°	2975.5
169°	3122.6
170°	3260.8
171°	3386.9
172°	3501.7
173°	3602.7
174°	3681.9
175°	3742.6
176°	3787.0
177°	3808.0
178°	3818.5
179°	3829.9
180°	3839.6

(END OF REPORT)