

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: P221618

Luminaire Tested: **9003-W2-FL-LED3590-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 2888.9 lumens
Efficiency: N/A
Efficacy: 71.9 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

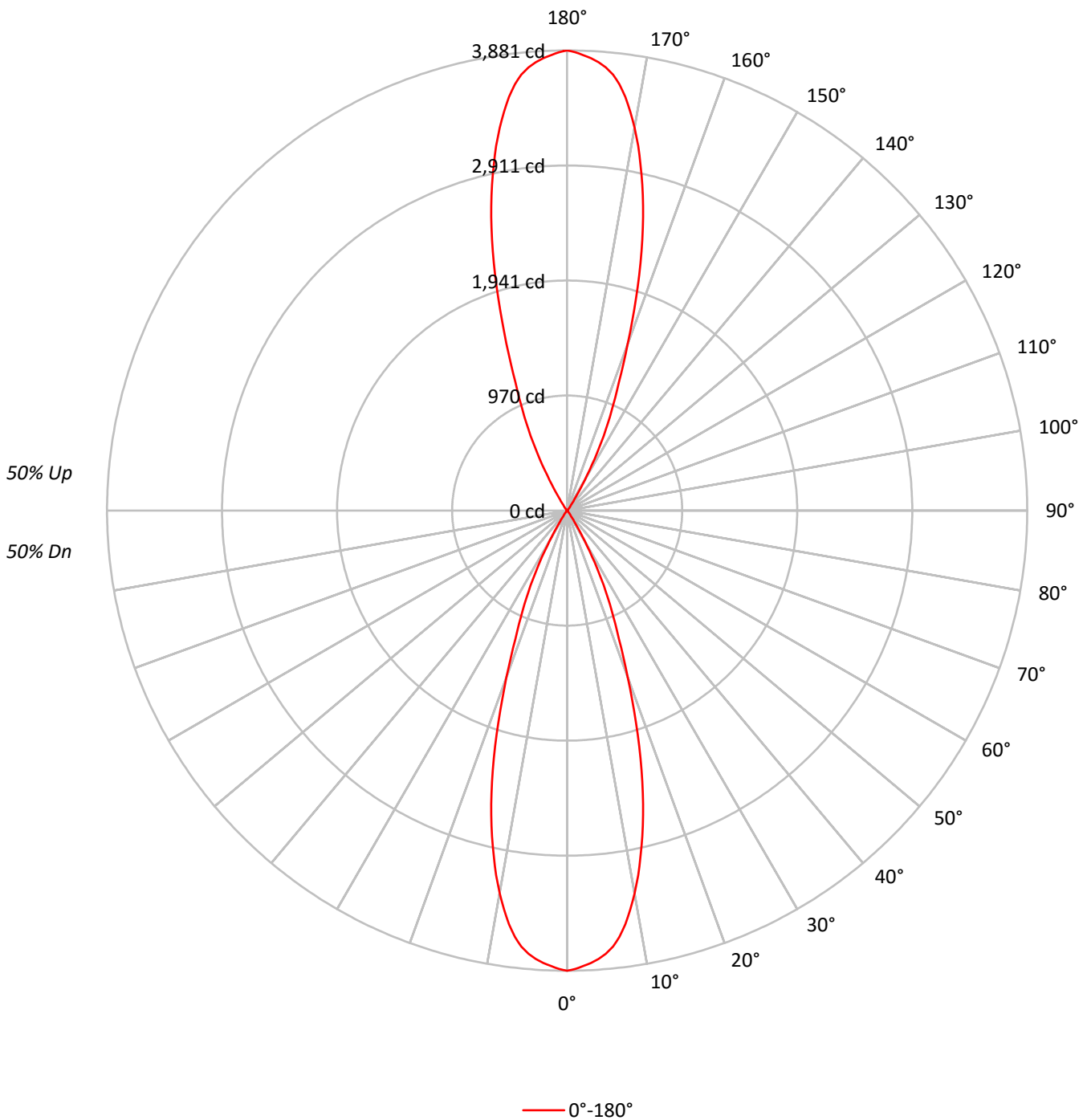
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	850984
5°	825774
10°	730024
15°	560593
20°	348957
25°	196753
30°	74695
35°	16008
40°	6240
45°	2016
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.4	11.9
10°-20°	662.7	22.9
20°-30°	369.5	12.8
30°-40°	55.8	1.9
40°-50°	6.2	0.2
50°-60°	3.1	0.1
60°-70°	2.1	0.1
70°-80°	1.4	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.0
110°-120°	2.1	0.1
120°-130°	3.1	0.1
130°-140°	6.2	0.2
140°-150°	55.8	1.9
150°-160°	369.5	12.8
160°-170°	662.7	22.9
170°-180°	343.4	11.9
0°-30°	1375.5	47.6
0°-40°	1431.4	49.5
0°-60°	1440.7	49.9
0°-90°	1444.5	50.0
90°-120°	4.0	0.1
90°-150°	69.1	2.4
90°-180°	1445.0	50.0
0°-180°	2888.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3881	
5°	3752	343
15°	2469	663
25°	813	369
35°	60	56
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	0
95°	0	0
105°	2	1
115°	2	2
125°	3	3
135°	6	6
145°	60	56
155°	813	369
165°	2469	663
175°	3752	343
180°	3881	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3880.8
1°	3867.0
2°	3844.4
3°	3821.0
4°	3791.1
5°	3751.5
6°	3698.1
7°	3621.3
8°	3522.7
9°	3406.3
10°	3278.6
11°	3135.5
12°	2980.3
13°	2819.4
14°	2647.3
15°	2469.4
16°	2277.1
17°	2078.2
18°	1876.1
19°	1682.9
20°	1495.4
21°	1321.6
22°	1168.0
23°	1038.7
24°	926.3
25°	813.2
26°	702.4
27°	594.9
28°	490.7
29°	390.4
30°	295.0
32.5°	118.0
35°	59.8
37.5°	37.2
40°	21.8
42.5°	8.1
45°	6.5
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	1.6
112.5°	1.6
115°	2.4
117.5°	2.4
120°	2.4
122.5°	3.2
125°	3.2
127.5°	4.0
130°	4.8
132.5°	4.8
135°	6.5
137.5°	8.1
140°	21.8
142.5°	37.2
145°	59.8
147.5°	118.0
150°	295.0
151°	390.4
152°	490.7
153°	594.9
154°	702.4
155°	813.2
156°	926.3
157°	1038.7
158°	1168.0
159°	1321.6
160°	1495.4
161°	1682.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1876.1
163°	2078.2
164°	2277.1
165°	2469.4
166°	2647.3
167°	2819.4
168°	2980.3
169°	3135.5
170°	3278.6
171°	3406.3
172°	3522.7
173°	3621.3
174°	3698.1
175°	3751.5
176°	3791.1
177°	3821.0
178°	3844.4
179°	3867.0
180°	3880.8

(END OF REPORT)