

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: P221572

Luminaire Tested: **9003-W2-FL-LED2797-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221572
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-LED2797-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.2 lumens
Efficiency: N/A
Efficacy: 62.2 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

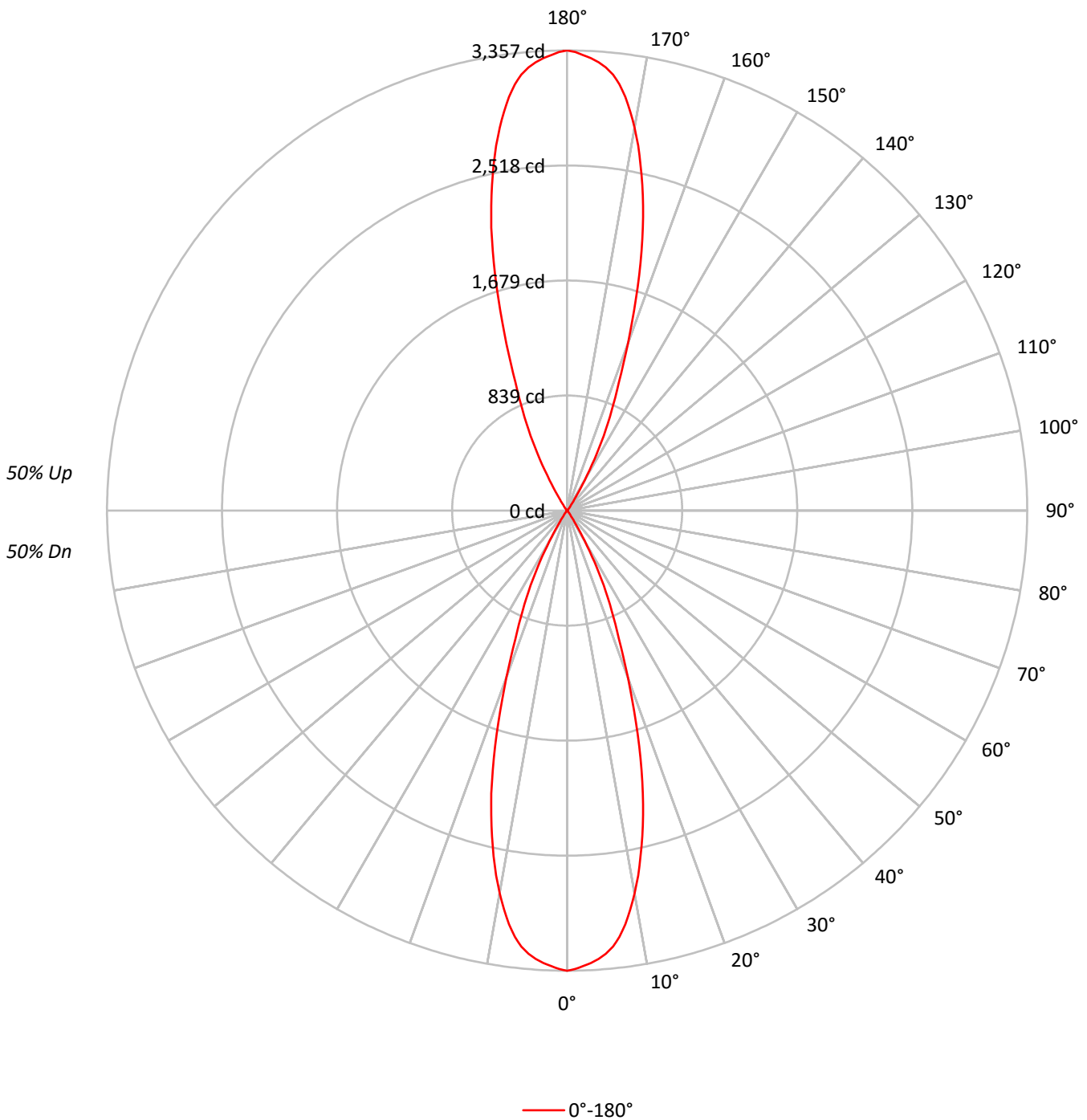
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	736147
5°	714328
10°	631518
15°	484952
20°	301866
25°	170187
30°	64618
35°	13840
40°	5410
45°	1737
50°	1433
55°	1070
60°	921
65°	1090
70°	898
75°	1186
80°	884
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	11.9
10°-20°	573.2	22.9
20°-30°	319.6	12.8
30°-40°	48.3	1.9
40°-50°	5.4	0.2
50°-60°	2.7	0.1
60°-70°	1.8	0.1
70°-80°	1.2	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.2	0.0
110°-120°	1.8	0.1
120°-130°	2.7	0.1
130°-140°	5.4	0.2
140°-150°	48.3	1.9
150°-160°	319.6	12.8
160°-170°	573.2	22.9
170°-180°	297.1	11.9
0°-30°	1189.9	47.6
0°-40°	1238.2	49.5
0°-60°	1246.3	49.9
0°-90°	1249.6	50.0
90°-120°	3.5	0.1
90°-150°	59.9	2.4
90°-180°	1250.0	50.0
0°-180°	2499.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3357	
5°	3245	297
15°	2136	573
25°	703	320
35°	52	48
45°	6	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	6	5
145°	52	48
155°	703	320
165°	2136	573
175°	3245	297
180°	3357	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3357.1
1°	3345.2
2°	3325.6
3°	3305.3
4°	3279.5
5°	3245.2
6°	3199.1
7°	3132.6
8°	3047.3
9°	2946.6
10°	2836.2
11°	2712.4
12°	2578.1
13°	2439.0
14°	2290.0
15°	2136.2
16°	1969.8
17°	1797.8
18°	1623.0
19°	1455.8
20°	1293.6
21°	1143.3
22°	1010.4
23°	898.5
24°	801.3
25°	703.4
26°	607.6
27°	514.6
28°	424.4
29°	337.7
30°	255.2
32.5°	102.1
35°	51.7
37.5°	32.2
40°	18.9
42.5°	7.0
45°	5.6
47.5°	4.2
50°	4.2
52.5°	3.5
55°	2.8
57.5°	2.8
60°	2.1
62.5°	2.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	1.4
110°	1.4
112.5°	1.4
115°	2.1
117.5°	2.1
120°	2.1
122.5°	2.8
125°	2.8
127.5°	3.5
130°	4.2
132.5°	4.2
135°	5.6
137.5°	7.0
140°	18.9
142.5°	32.2
145°	51.7
147.5°	102.1
150°	255.2
151°	337.7
152°	424.4
153°	514.6
154°	607.6
155°	703.4
156°	801.3
157°	898.5
158°	1010.4
159°	1143.3
160°	1293.6
161°	1455.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1623.0
163°	1797.8
164°	1969.8
165°	2136.2
166°	2290.0
167°	2439.0
168°	2578.1
169°	2712.4
170°	2836.2
171°	2946.6
172°	3047.3
173°	3132.6
174°	3199.1
175°	3245.2
176°	3279.5
177°	3305.3
178°	3325.6
179°	3345.2
180°	3357.1

(END OF REPORT)