

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: P221571

Luminaire Tested: **9003-W2-FL-LED2797-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221571
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-L1-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: 1355.4 lumens
Efficiency: N/A
Efficacy: 69.2 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

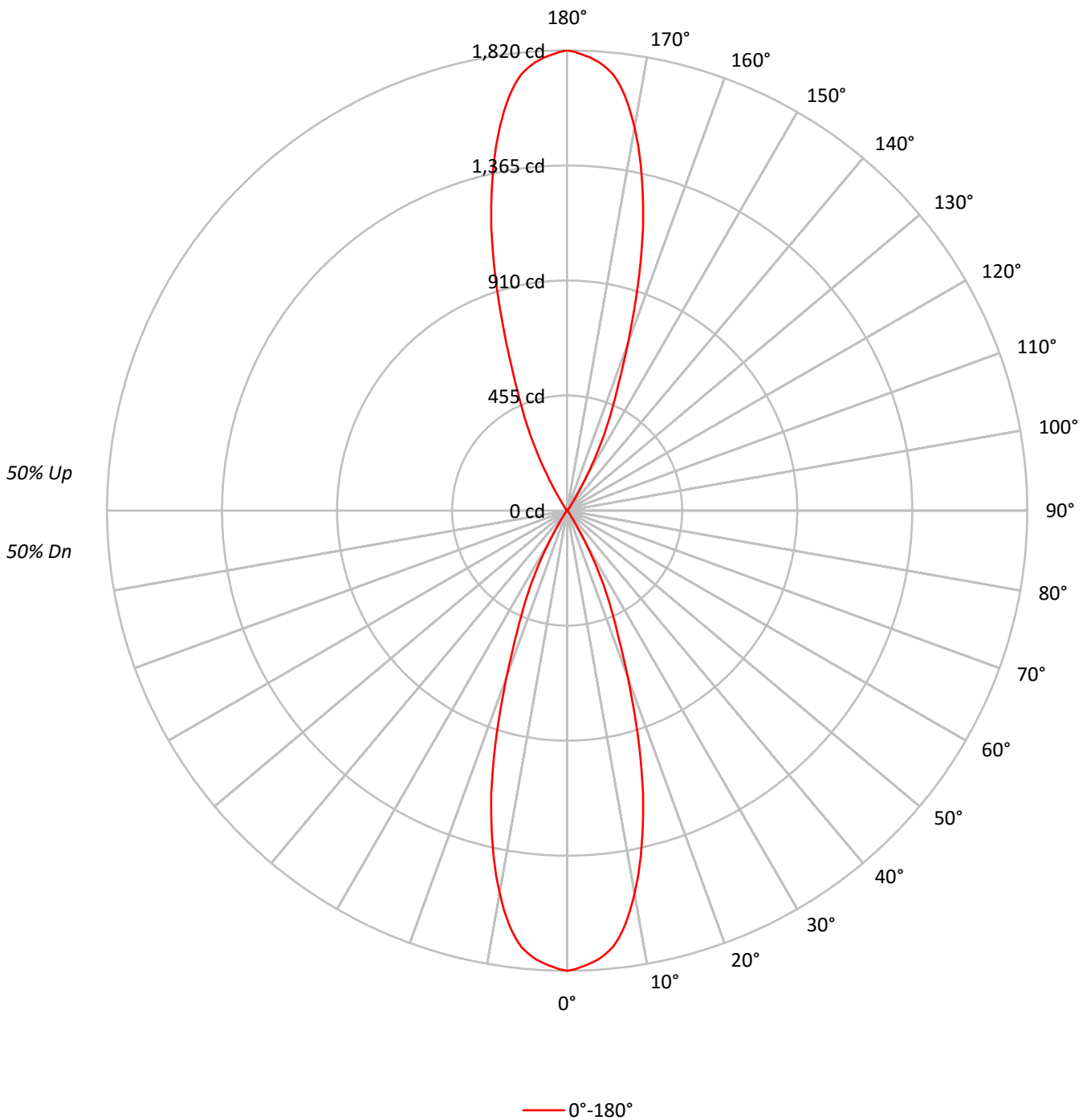
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	399200
5°	387364
10°	342456
15°	262975
20°	163698
25°	92304
30°	35043
35°	7522
40°	2920
45°	930
50°	785
55°	573
60°	482
65°	571
70°	513
75°	678
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	11.9
10°-20°	310.9	22.9
20°-30°	173.3	12.8
30°-40°	26.2	1.9
40°-50°	2.9	0.2
50°-60°	1.5	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.1
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.7	0.1
110°-120°	1.0	0.1
120°-130°	1.5	0.1
130°-140°	2.9	0.2
140°-150°	26.2	1.9
150°-160°	173.3	12.8
160°-170°	310.9	22.9
170°-180°	161.1	11.9
0°-30°	645.3	47.6
0°-40°	671.5	49.5
0°-60°	675.9	49.9
0°-90°	677.7	50.0
90°-120°	1.9	0.1
90°-150°	32.5	2.4
90°-180°	678.0	50.0
0°-180°	1355.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1820	
5°	1760	161
15°	1158	311
25°	382	173
35°	28	26
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	1
135°	3	3
145°	28	26
155°	382	173
165°	1158	311
175°	1760	161
180°	1820	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1820.5
1°	1814.0
2°	1803.4
3°	1792.4
4°	1778.4
5°	1759.8
6°	1734.8
7°	1698.7
8°	1652.5
9°	1597.9
10°	1538.0
11°	1470.9
12°	1398.1
13°	1322.6
14°	1241.8
15°	1158.4
16°	1068.2
17°	974.9
18°	880.1
19°	789.5
20°	701.5
21°	620.0
22°	547.9
23°	487.3
24°	434.5
25°	381.5
26°	329.5
27°	279.1
28°	230.2
29°	183.1
30°	138.4
32.5°	55.4
35°	28.1
37.5°	17.4
40°	10.2
42.5°	3.8
45°	3.0
47.5°	2.3
50°	2.3
52.5°	1.9
55°	1.5
57.5°	1.5
60°	1.1
62.5°	1.1
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.8
107.5°	0.8
110°	0.8
112.5°	0.8
115°	1.1
117.5°	1.1
120°	1.1
122.5°	1.5
125°	1.5
127.5°	1.9
130°	2.3
132.5°	2.3
135°	3.0
137.5°	3.8
140°	10.2
142.5°	17.4
145°	28.1
147.5°	55.4
150°	138.4
151°	183.1
152°	230.2
153°	279.1
154°	329.5
155°	381.5
156°	434.5
157°	487.3
158°	547.9
159°	620.0
160°	701.5
161°	789.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	880.1
163°	974.9
164°	1068.2
165°	1158.4
166°	1241.8
167°	1322.6
168°	1398.1
169°	1470.9
170°	1538.0
171°	1597.9
172°	1652.5
173°	1698.7
174°	1734.8
175°	1759.8
176°	1778.4
177°	1792.4
178°	1803.4
179°	1814.0
180°	1820.5

(END OF REPORT)