

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: P221387

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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]-LED2790-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.2 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

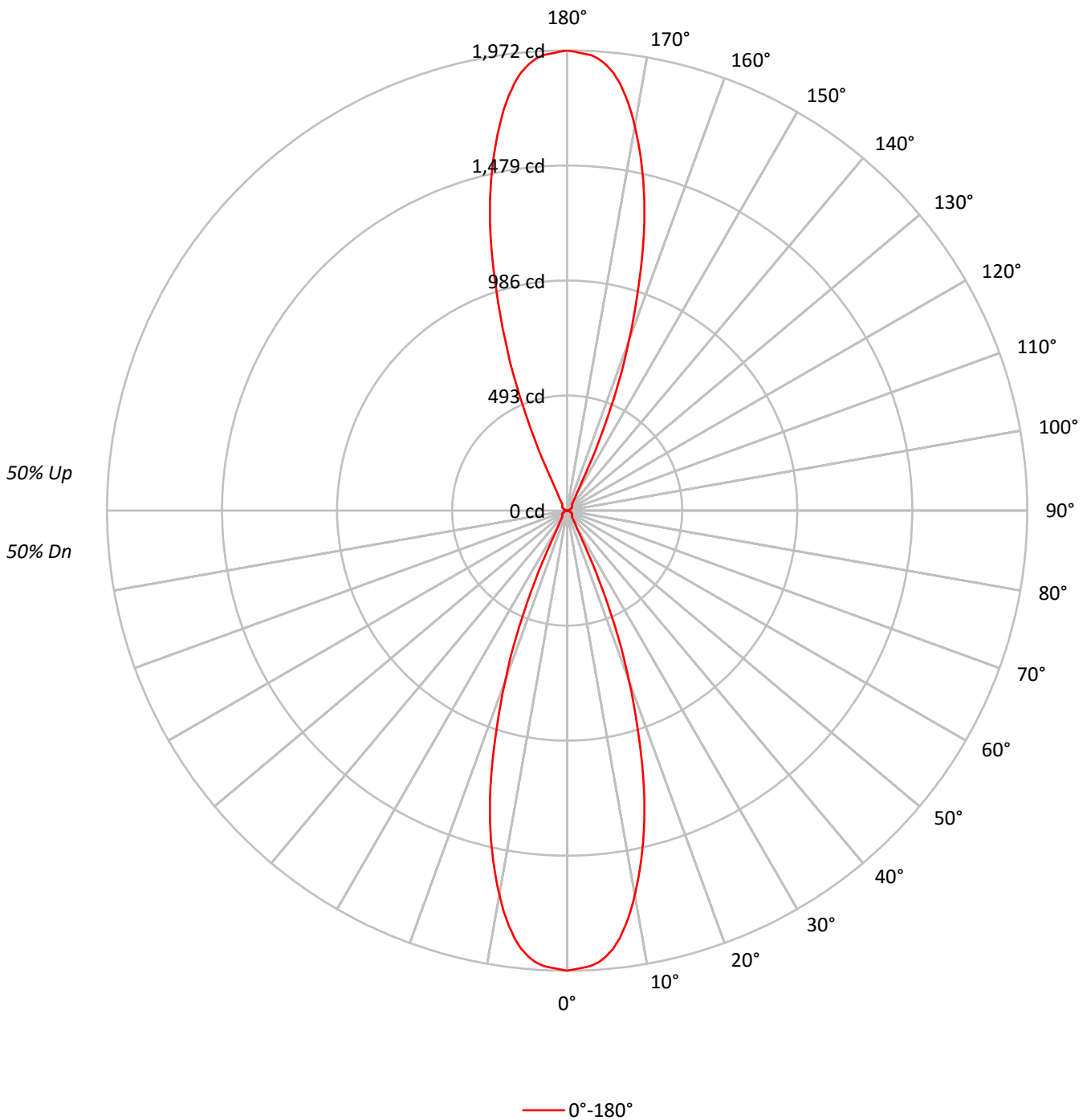
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432400
5°	422165
10°	372405
15°	289763
20°	181012
25°	70673
30°	19269
35°	11270
40°	9017
45°	9148
50°	9620
55°	9863
60°	9692
65°	8924
70°	7629
75°	6947
80°	7703
85°	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	11.4
10°-20°	342.1	22.3
20°-30°	146.8	9.6
30°-40°	29.0	1.9
40°-50°	22.9	1.5
50°-60°	22.8	1.5
60°-70°	16.9	1.1
70°-80°	9.1	0.6
80°-90°	3.2	0.2
90°-100°	3.2	0.2
100°-110°	9.1	0.6
110°-120°	16.9	1.1
120°-130°	22.8	1.5
130°-140°	22.9	1.5
140°-150°	29.0	1.9
150°-160°	146.8	9.6
160°-170°	342.1	22.3
170°-180°	175.3	11.4
0°-30°	664.2	43.2
0°-40°	693.1	45.1
0°-60°	738.9	48.1
0°-90°	768.1	50.0
90°-120°	29.2	1.9
90°-150°	103.9	6.8
90°-180°	768.0	50.0
0°-180°	1536.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1972	
5°	1918	175
15°	1276	342
25°	292	147
35°	42	29
45°	30	23
55°	26	23
65°	17	17
75°	8	9
85°	3	3
90°	0	0
95°	3	3
105°	8	9
115°	17	17
125°	26	23
135°	30	23
145°	42	29
155°	292	147
165°	1276	342
175°	1918	175
180°	1972	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1971.9
1°	1966.2
2°	1960.1
3°	1954.3
4°	1940.8
5°	1917.9
6°	1887.2
7°	1847.1
8°	1796.0
9°	1738.3
10°	1672.5
11°	1602.1
12°	1528.9
13°	1449.5
14°	1366.0
15°	1276.4
16°	1180.7
17°	1080.1
18°	976.1
19°	874.3
20°	775.7
21°	682.0
22°	581.3
23°	478.3
24°	380.1
25°	292.1
26°	215.6
27°	152.6
28°	108.8
29°	86.3
30°	76.1
32.5°	57.7
35°	42.1
37.5°	34.4
40°	31.5
42.5°	30.3
45°	29.5
47.5°	29.0
50°	28.2
52.5°	27.0
55°	25.8
57.5°	24.1
60°	22.1
62.5°	20.0
65°	17.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.3
70°	11.9
72.5°	9.8
75°	8.2
77.5°	7.4
80°	6.1
82.5°	4.5
85°	2.9
87.5°	1.2
90°	0.0
92.5°	1.2
95°	2.9
97.5°	4.5
100°	6.1
102.5°	7.4
105°	8.2
107.5°	9.8
110°	11.9
112.5°	14.3
115°	17.2
117.5°	20.0
120°	22.1
122.5°	24.1
125°	25.8
127.5°	27.0
130°	28.2
132.5°	29.0
135°	29.5
137.5°	30.3
140°	31.5
142.5°	34.4
145°	42.1
147.5°	57.7
150°	76.1
151°	86.3
152°	108.8
153°	152.6
154°	215.6
155°	292.1
156°	380.1
157°	478.3
158°	581.3
159°	682.0
160°	775.7
161°	874.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	976.1
163°	1080.1
164°	1180.7
165°	1276.4
166°	1366.0
167°	1449.5
168°	1528.9
169°	1602.1
170°	1672.5
171°	1738.3
172°	1796.0
173°	1847.1
174°	1887.2
175°	1917.9
176°	1940.8
177°	1954.3
178°	1960.1
179°	1966.2
180°	1971.9

(END OF REPORT)