

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: P221302

Luminaire Tested: **9002-W2-FL-LED2790-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2790-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

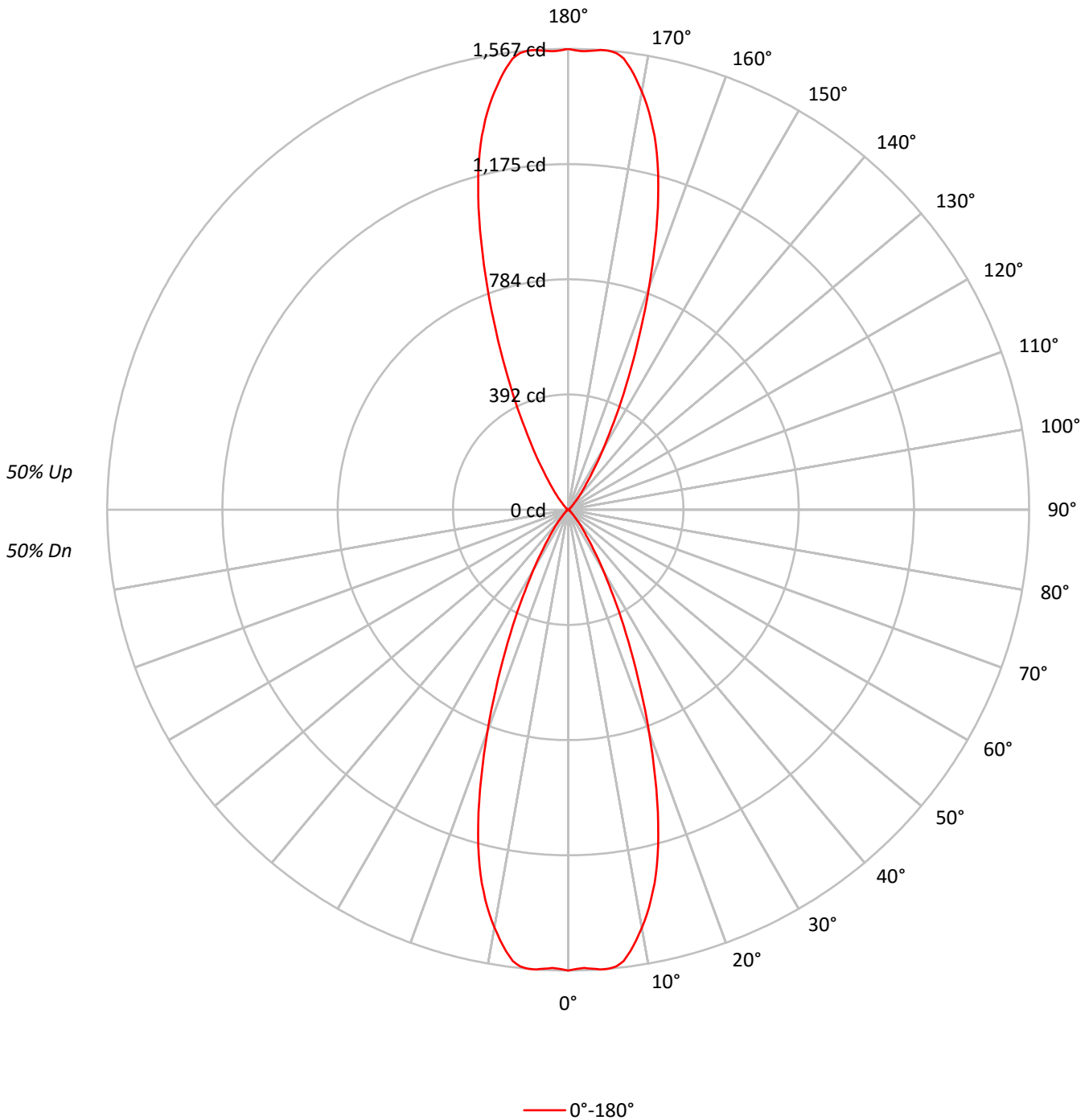
Lumens per Lamp: N/A
Luminaire Lumens: 1567.5 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20
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	100	97	94	92	93	90	88	85	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51		51	48	46		45	43	41	39
6	74	64	58	54	69	61	56	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	45	49	44	42		44	41	39		39	37	35	33
9	63	53	47	43	59	51	45	42	46	42	39		42	39	37		38	35	34	32
10	60	50	44	41	56	48	43	39	44	40	37		40	37	35		36	34	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	773175
5°	776128
10°	722880
15°	603185
20°	420770
25°	253193
30°	133767
35°	64326
40°	30722
45°	14304
50°	8136
55°	5247
60°	4440
65°	4436
70°	4328
75°	4384
80°	4262
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	9.3
10°-20°	318.6	20.3
20°-30°	215.5	13.7
30°-40°	73.0	4.7
40°-50°	17.9	1.1
50°-60°	5.9	0.4
60°-70°	3.9	0.3
70°-80°	2.4	0.2
80°-90°	0.6	0.0
90°-100°	0.6	0.0
100°-110°	2.4	0.2
110°-120°	3.9	0.3
120°-130°	5.9	0.4
130°-140°	17.9	1.1
140°-150°	73.0	4.7
150°-160°	215.5	13.7
160°-170°	318.6	20.3
170°-180°	145.8	9.3
0°-30°	680.0	43.4
0°-40°	753.0	48.0
0°-60°	776.8	49.6
0°-90°	783.7	50.0
90°-120°	6.9	0.4
90°-150°	103.8	6.6
90°-180°	784.0	50.0
0°-180°	1567.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1567	
5°	1567	146
15°	1181	319
25°	465	216
35°	107	73
45°	20	18
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	6	6
135°	20	18
145°	107	73
155°	465	216
165°	1181	319
175°	1567	146
180°	1567	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1567.1
1°	1561.8
2°	1559.6
3°	1562.6
4°	1567.1
5°	1567.1
6°	1561.8
7°	1545.9
8°	1516.4
9°	1481.6
10°	1442.9
11°	1402.0
12°	1355.1
13°	1304.3
14°	1246.8
15°	1180.9
16°	1110.4
17°	1034.7
18°	955.9
19°	880.1
20°	801.4
21°	727.9
22°	655.9
23°	587.8
24°	524.2
25°	465.1
26°	409.8
27°	359.0
28°	312.8
29°	271.9
30°	234.8
32.5°	159.1
35°	106.8
37.5°	72.0
40°	47.7
42.5°	30.3
45°	20.5
47.5°	14.4
50°	10.6
52.5°	7.6
55°	6.1
57.5°	5.3
60°	4.5
62.5°	4.5
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.8
70°	3.0
72.5°	3.0
75°	2.3
77.5°	1.5
80°	1.5
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	1.5
102.5°	1.5
105°	2.3
107.5°	3.0
110°	3.0
112.5°	3.8
115°	3.8
117.5°	4.5
120°	4.5
122.5°	5.3
125°	6.1
127.5°	7.6
130°	10.6
132.5°	14.4
135°	20.5
137.5°	30.3
140°	47.7
142.5°	72.0
145°	106.8
147.5°	159.1
150°	234.8
151°	271.9
152°	312.8
153°	359.0
154°	409.8
155°	465.1
156°	524.2
157°	587.8
158°	655.9
159°	727.9
160°	801.4
161°	880.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	955.9
163°	1034.7
164°	1110.4
165°	1180.9
166°	1246.8
167°	1304.3
168°	1355.1
169°	1402.0
170°	1442.9
171°	1481.6
172°	1516.4
173°	1545.9
174°	1561.8
175°	1567.1
176°	1567.1
177°	1562.6
178°	1559.6
179°	1561.8
180°	1567.1

(END OF REPORT)