

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: P221325

Luminaire Tested: **9002-W2-FL-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED3097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

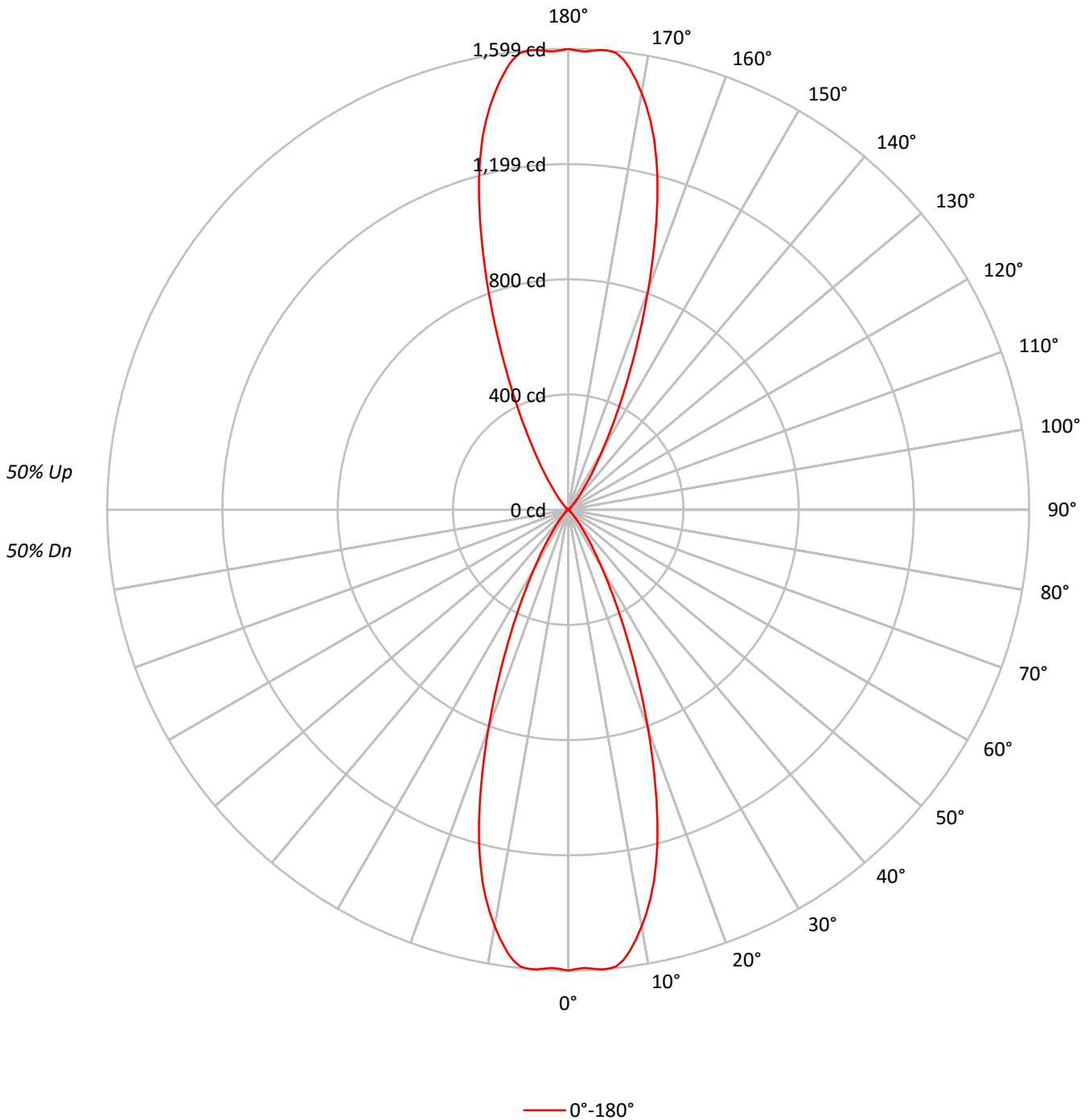
Lumens per Lamp: N/A
Luminaire Lumens: 1568.1 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	48	44	59	51	46	42	46	42	40		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	789013
5°	792026
10°	735404
15°	610489
20°	425128
25°	254881
30°	134678
35°	64206
40°	29884
45°	12908
50°	6524
55°	3355
60°	2270
65°	1751
70°	2164
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	9.5
10°-20°	322.5	20.6
20°-30°	217.2	13.9
30°-40°	73.0	4.7
40°-50°	16.5	1.0
50°-60°	4.1	0.3
60°-70°	1.8	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.8	0.1
120°-130°	4.1	0.3
130°-140°	16.5	1.0
140°-150°	73.0	4.7
150°-160°	217.2	13.9
160°-170°	322.5	20.6
170°-180°	148.6	9.5
0°-30°	688.3	43.9
0°-40°	761.3	48.5
0°-60°	781.9	49.9
0°-90°	784.1	50.0
90°-120°	2.4	0.2
90°-150°	95.9	6.1
90°-180°	784.0	50.0
0°-180°	1568.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1599	
5°	1599	149
15°	1195	323
25°	468	217
35°	107	73
45°	18	16
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	4	4
135°	18	16
145°	107	73
155°	468	217
165°	1195	323
175°	1599	149
180°	1599	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1599.2
1°	1593.8
2°	1590.7
3°	1594.6
4°	1599.2
5°	1599.2
6°	1593.1
7°	1574.5
8°	1544.4
9°	1507.3
10°	1467.9
11°	1423.9
12°	1376.0
13°	1321.9
14°	1261.6
15°	1195.2
16°	1121.8
17°	1046.1
18°	966.5
19°	887.7
20°	809.7
21°	733.9
22°	661.3
23°	592.6
24°	528.4
25°	468.2
26°	412.6
27°	362.3
28°	315.2
29°	273.5
30°	236.4
32.5°	159.9
35°	106.6
37.5°	71.1
40°	46.4
42.5°	28.6
45°	18.5
47.5°	12.4
50°	8.5
52.5°	6.2
55°	3.9
57.5°	3.1
60°	2.3
62.5°	2.3
65°	1.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.8
110°	1.5
112.5°	1.5
115°	1.5
117.5°	2.3
120°	2.3
122.5°	3.1
125°	3.9
127.5°	6.2
130°	8.5
132.5°	12.4
135°	18.5
137.5°	28.6
140°	46.4
142.5°	71.1
145°	106.6
147.5°	159.9
150°	236.4
151°	273.5
152°	315.2
153°	362.3
154°	412.6
155°	468.2
156°	528.4
157°	592.6
158°	661.3
159°	733.9
160°	809.7
161°	887.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	966.5
163°	1046.1
164°	1121.8
165°	1195.2
166°	1261.6
167°	1321.9
168°	1376.0
169°	1423.9
170°	1467.9
171°	1507.3
172°	1544.4
173°	1574.5
174°	1593.1
175°	1599.2
176°	1599.2
177°	1594.6
178°	1590.7
179°	1593.8
180°	1599.2

(END OF REPORT)