

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: P221381

Luminaire Tested: **9002-W2-FL-LEDCW-F-BK-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29548)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LEDCW-F-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

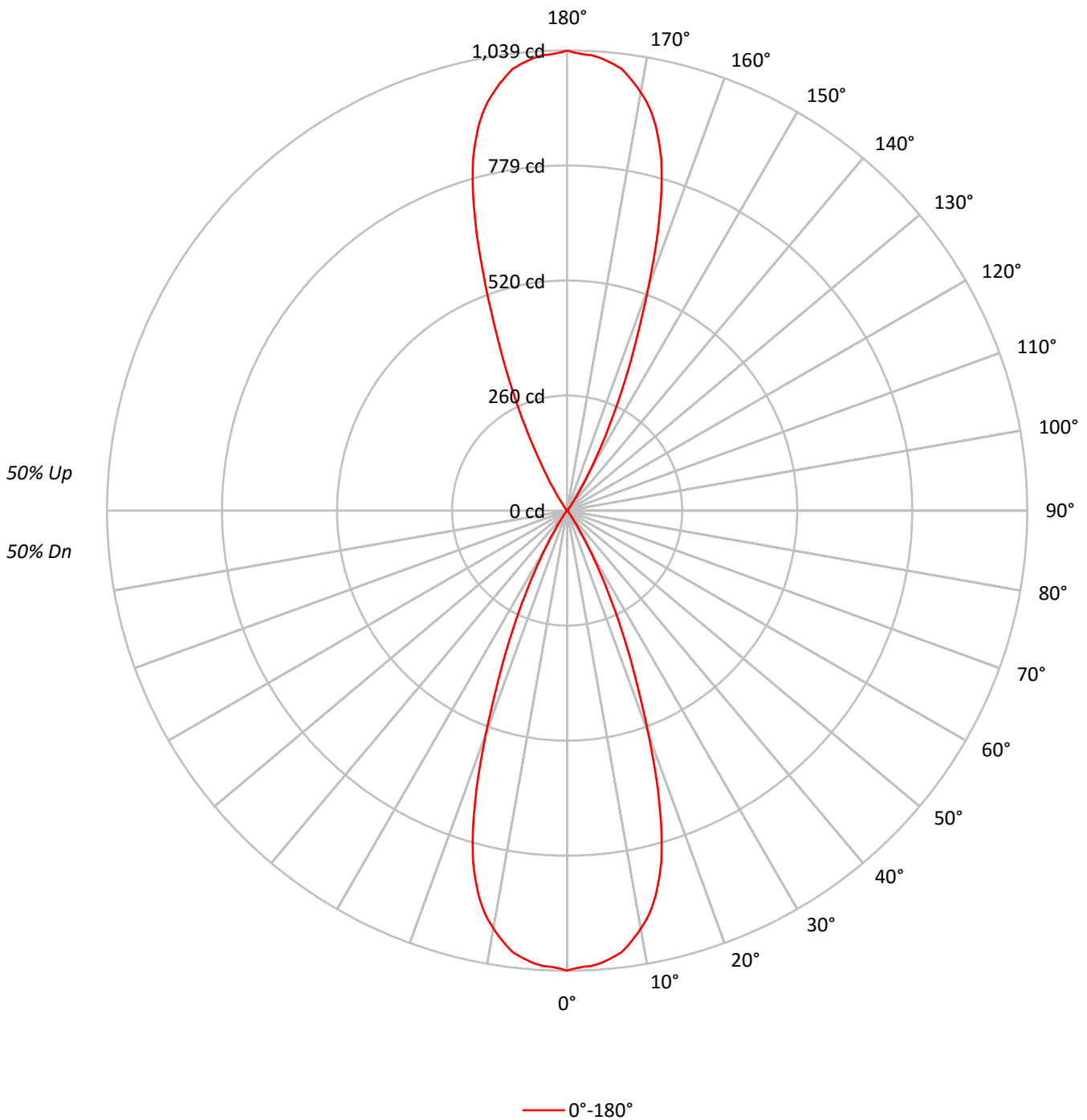
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.62
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 27
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	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	53	53	48
2	95	89	85	81	88	83	79	76	72	69	67	62	60	58	52	51	50	46
3	89	82	77	73	83	77	72	69	67	64	61	58	56	54	50	49	48	44
4	84	76	70	66	78	72	67	63	63	60	57	55	53	51	48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40
6	75	66	60	56	70	63	57	54	56	52	49	50	47	45	44	43	41	39
7	71	62	56	52	67	59	54	50	53	49	46	48	45	43	43	41	39	37
8	68	58	52	48	64	56	50	47	50	47	44	46	43	41	41	39	38	36
9	64	55	49	45	61	53	48	44	48	44	41	44	41	39	40	38	36	34
10	62	52	47	43	58	50	45	42	46	42	39	42	39	37	38	36	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	512473
5°	505120
10°	480150
15°	419201
20°	281528
25°	149978
30°	55888
35°	11926
40°	1288
45°	1395
50°	768
55°	860
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	10.3
10°-20°	218.4	23.6
20°-30°	127.2	13.7
30°-40°	18.5	2.0
40°-50°	1.4	0.2
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.6	0.1
120°-130°	0.9	0.1
130°-140°	1.4	0.2
140°-150°	18.5	2.0
150°-160°	127.2	13.7
160°-170°	218.4	23.6
170°-180°	95.5	10.3
0°-30°	441.0	47.7
0°-40°	459.6	49.7
0°-60°	461.9	49.9
0°-90°	462.5	50.0
90°-120°	0.6	0.1
90°-150°	21.5	2.3
90°-180°	463.0	50.1
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1039	
5°	1020	95
15°	821	218
25°	276	127
35°	20	19
45°	2	1
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	2	1
145°	20	19
155°	276	127
165°	821	218
175°	1020	95
180°	1039	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1038.7
1°	1033.7
2°	1030.8
3°	1029.8
4°	1025.8
5°	1019.9
6°	1012.9
7°	1005.0
8°	991.1
9°	975.3
10°	958.4
11°	939.6
12°	917.8
13°	890.0
14°	857.3
15°	820.7
16°	774.1
17°	721.5
18°	663.1
19°	599.6
20°	536.2
21°	475.7
22°	419.2
23°	368.7
24°	320.1
25°	275.5
26°	232.9
27°	193.3
28°	156.6
29°	123.9
30°	98.1
32.5°	50.5
35°	19.8
37.5°	5.0
40°	2.0
42.5°	2.0
45°	2.0
47.5°	2.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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°	0.0
110°	0.0
112.5°	0.0
115°	1.0
117.5°	1.0
120°	1.0
122.5°	1.0
125°	1.0
127.5°	1.0
130°	1.0
132.5°	2.0
135°	2.0
137.5°	2.0
140°	2.0
142.5°	5.0
145°	19.8
147.5°	50.5
150°	98.1
151°	123.9
152°	156.6
153°	193.3
154°	232.9
155°	275.5
156°	320.1
157°	368.7
158°	419.2
159°	475.7
160°	536.2
161°	599.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	663.1
163°	721.5
164°	774.1
165°	820.7
166°	857.3
167°	890.0
168°	917.8
169°	939.6
170°	958.4
171°	975.3
172°	991.1
173°	1005.0
174°	1012.9
175°	1019.9
176°	1025.8
177°	1029.8
178°	1030.8
179°	1033.7
180°	1038.7

(END OF REPORT)