

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: P221303

Luminaire Tested: **9002-W2-FL-LED2790-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

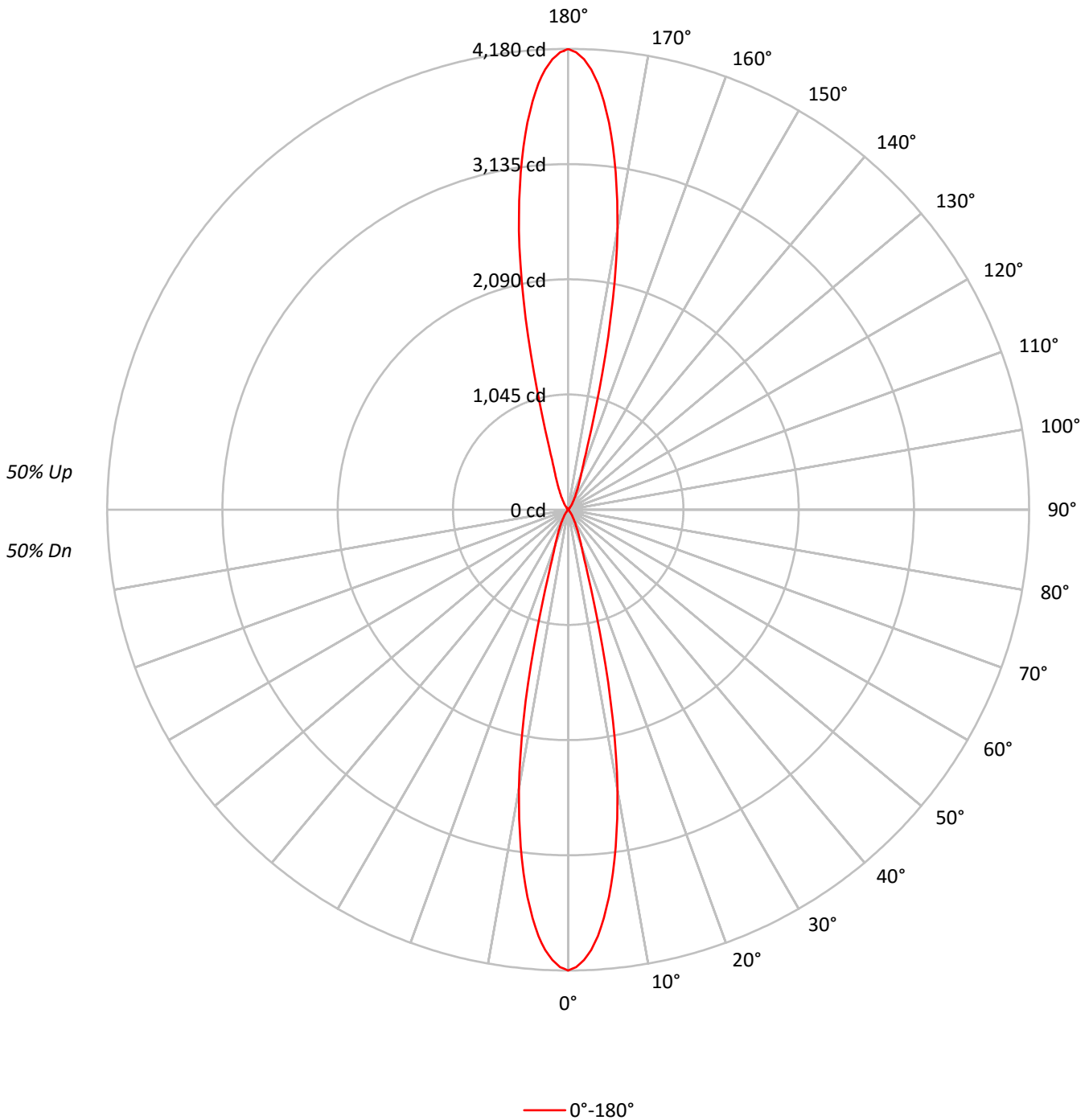
Lumens per Lamp: N/A
Luminaire Lumens: 1492.2 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	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	98	95	93	93	91	89	87	78	76	75	66	65	64	54	54	54	48				
2	95	90	86	82	88	84	81	78	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	71	69	66	63	60	58	56	51	50	49	46				
4	85	78	72	68	80	73	69	65	65	62	59	57	55	53	50	49	47	44				
5	81	73	67	63	76	69	64	61	62	58	56	55	52	51	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	53	53	50	48	47	46	44	42				
7	74	65	59	56	69	62	57	54	56	53	50	51	48	47	46	44	43	41				
8	71	62	56	53	67	59	54	51	54	50	48	49	47	45	45	43	42	40				
9	68	59	54	50	64	57	52	49	52	48	46	48	45	43	44	42	41	39				
10	65	56	51	48	62	54	50	47	50	47	44	46	44	42	43	41	40	38				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2062475
5°	1841541
10°	1286795
15°	503735
20°	181770
25°	101854
30°	57369
35°	30115
40°	10756
45°	5791
50°	3454
55°	1978
60°	1480
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.7	21.3
10°-20°	297.5	19.9
20°-30°	89.2	6.0
30°-40°	31.5	2.1
40°-50°	7.1	0.5
50°-60°	2.2	0.1
60°-70°	0.9	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	0.9	0.1
120°-130°	2.2	0.1
130°-140°	7.1	0.5
140°-150°	31.5	2.1
150°-160°	89.2	6.0
160°-170°	297.5	19.9
170°-180°	317.7	21.3
0°-30°	704.4	47.2
0°-40°	735.9	49.3
0°-60°	745.1	49.9
0°-90°	746.1	50.0
90°-120°	1.0	0.1
90°-150°	41.7	2.8
90°-180°	746.0	50.0
0°-180°	1492.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4180	
5°	3718	318
15°	986	298
25°	187	89
35°	50	31
45°	8	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	2	2
135°	8	7
145°	50	31
155°	187	89
165°	986	298
175°	3718	318
180°	4180	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4180.3
1°	4149.3
2°	4087.9
3°	3997.8
4°	3875.8
5°	3718.3
6°	3531.2
7°	3322.9
8°	3090.4
9°	2837.4
10°	2568.5
11°	2273.8
12°	1949.7
13°	1608.8
14°	1275.5
15°	986.2
16°	754.4
17°	587.0
18°	474.9
19°	399.2
20°	346.2
22.5°	253.7
25°	187.1
26°	165.1
27°	146.2
28°	129.5
29°	114.4
30°	100.7
32.5°	72.7
35°	50.0
37.5°	25.8
40°	16.7
42.5°	12.1
45°	8.3
47.5°	6.1
50°	4.5
52.5°	3.0
55°	2.3
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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°	0.8
112.5°	0.8
115°	0.8
117.5°	0.8
120°	1.5
122.5°	1.5
125°	2.3
127.5°	3.0
130°	4.5
132.5°	6.1
135°	8.3
137.5°	12.1
140°	16.7
142.5°	25.8
145°	50.0
147.5°	72.7
150°	100.7
151°	114.4
152°	129.5
153°	146.2
154°	165.1
155°	187.1
157.5°	253.7
160°	346.2
161°	399.2
162°	474.9
163°	587.0
164°	754.4
165°	986.2
166°	1275.5
167°	1608.8



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CANDELA DISTRIBUTION (continued):

	0°
168°	1949.7
169°	2273.8
170°	2568.5
171°	2837.4
172°	3090.4
173°	3322.9
174°	3531.2
175°	3718.3
176°	3875.8
177°	3997.8
178°	4087.9
179°	4149.3
180°	4180.3

(END OF REPORT)