

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: P221370

Luminaire Tested: **9002-W2-FL-LED5080-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED5080-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

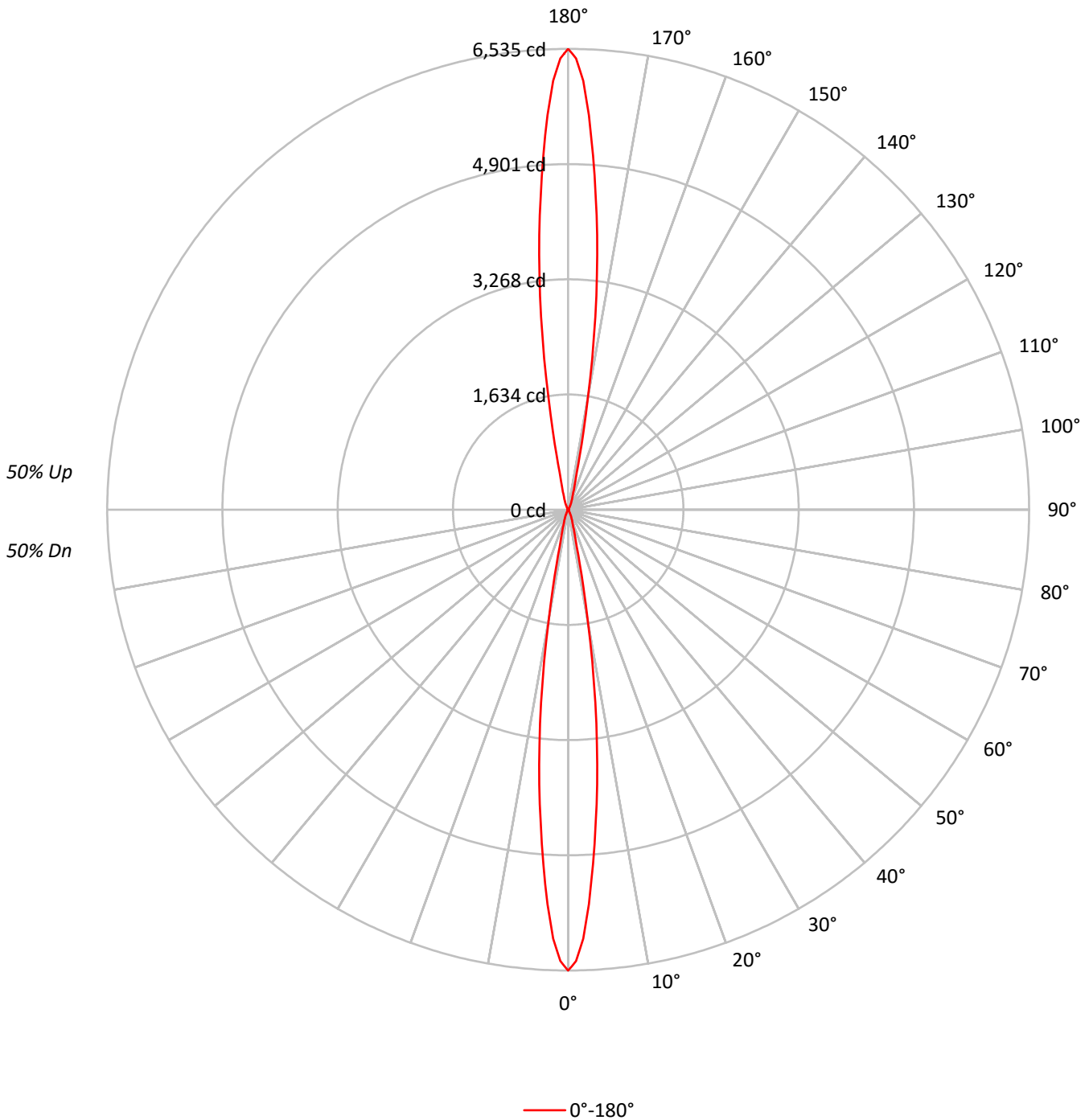
Lumens per Lamp: N/A
Luminaire Lumens: 1038.5 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	94	91	89	87	78	77	75	66	65	64	55	54	54	49				
2	96	91	87	83	89	85	81	78	73	71	69	63	62	60	53	53	52	48				
3	91	84	79	76	84	79	75	72	70	67	64	61	59	57	52	51	50	47				
4	86	79	74	70	81	75	70	67	66	63	61	58	56	55	51	50	49	46				
5	82	75	69	65	77	71	66	63	63	60	58	57	54	53	50	49	48	45				
6	79	71	65	61	74	67	63	59	61	58	55	55	53	51	49	48	47	44				
7	76	67	62	58	71	64	60	57	59	55	53	53	51	49	48	47	46	44				
8	73	65	59	56	69	62	57	54	57	54	51	52	50	48	48	46	45	43				
9	70	62	57	54	67	60	55	52	55	52	50	51	49	47	47	45	44	43				
10	68	60	55	52	65	58	54	51	54	50	48	50	48	46	46	45	44	42				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3224334
5°	2215812
10°	807848
15°	166158
20°	80227
25°	39794
30°	14926
35°	7890
40°	6312
45°	4605
50°	4222
55°	3785
60°	4342
65°	5137
70°	4760
75°	4194
80°	3125
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	32.3
10°-20°	123.0	11.8
20°-30°	35.1	3.4
30°-40°	9.2	0.9
40°-50°	5.5	0.5
50°-60°	4.3	0.4
60°-70°	3.9	0.4
70°-80°	2.3	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	2.3	0.2
110°-120°	3.9	0.4
120°-130°	4.3	0.4
130°-140°	5.5	0.5
140°-150°	9.2	0.9
150°-160°	35.1	3.4
160°-170°	123.0	11.8
170°-180°	335.8	32.3
0°-30°	493.9	47.6
0°-40°	503.1	48.4
0°-60°	512.9	49.4
0°-90°	519.3	50.0
90°-120°	6.4	0.6
90°-150°	25.3	2.4
90°-180°	519.0	50.0
0°-180°	1038.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6535	
5°	4474	336
15°	325	123
25°	73	35
35°	13	9
45°	7	5
55°	4	4
65°	4	4
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	4	4
125°	4	4
135°	7	5
145°	13	9
155°	73	35
165°	325	123
175°	4474	336
180°	6535	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6535.2
1°	6402.0
2°	6085.4
3°	5599.6
4°	5037.3
5°	4474.0
6°	3917.2
7°	3351.7
8°	2762.1
9°	2171.5
10°	1612.5
11°	1131.0
12°	778.4
13°	548.1
14°	409.4
15°	325.3
17.5°	211.8
20°	152.8
22.5°	112.4
25°	73.1
27.5°	43.7
30°	26.2
32.5°	17.5
35°	13.1
37.5°	10.9
40°	9.8
42.5°	7.6
45°	6.6
47.5°	6.6
50°	5.5
52.5°	5.5
55°	4.4
57.5°	4.4
60°	4.4
62.5°	4.4
65°	4.4
67.5°	3.3
70°	3.3
72.5°	3.3
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	1.1
102.5°	1.1
105°	2.2
107.5°	3.3
110°	3.3
112.5°	3.3
115°	4.4
117.5°	4.4
120°	4.4
122.5°	4.4
125°	4.4
127.5°	5.5
130°	5.5
132.5°	6.6
135°	6.6
137.5°	7.6
140°	9.8
142.5°	10.9
145°	13.1
147.5°	17.5
150°	26.2
152.5°	43.7
155°	73.1
157.5°	112.4
160°	152.8
162.5°	211.8
165°	325.3
166°	409.4
167°	548.1
168°	778.4
169°	1131.0
170°	1612.5
171°	2171.5
172°	2762.1
173°	3351.7
174°	3917.2
175°	4474.0
176°	5037.3
177°	5599.6
178°	6085.4
179°	6402.0



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CANDELA DISTRIBUTION (continued):

180° | $\frac{0^\circ}{6535.2}$

(END OF REPORT)