

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: P221364

Luminaire Tested: **9002-W2-FL-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED4097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1608.6 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

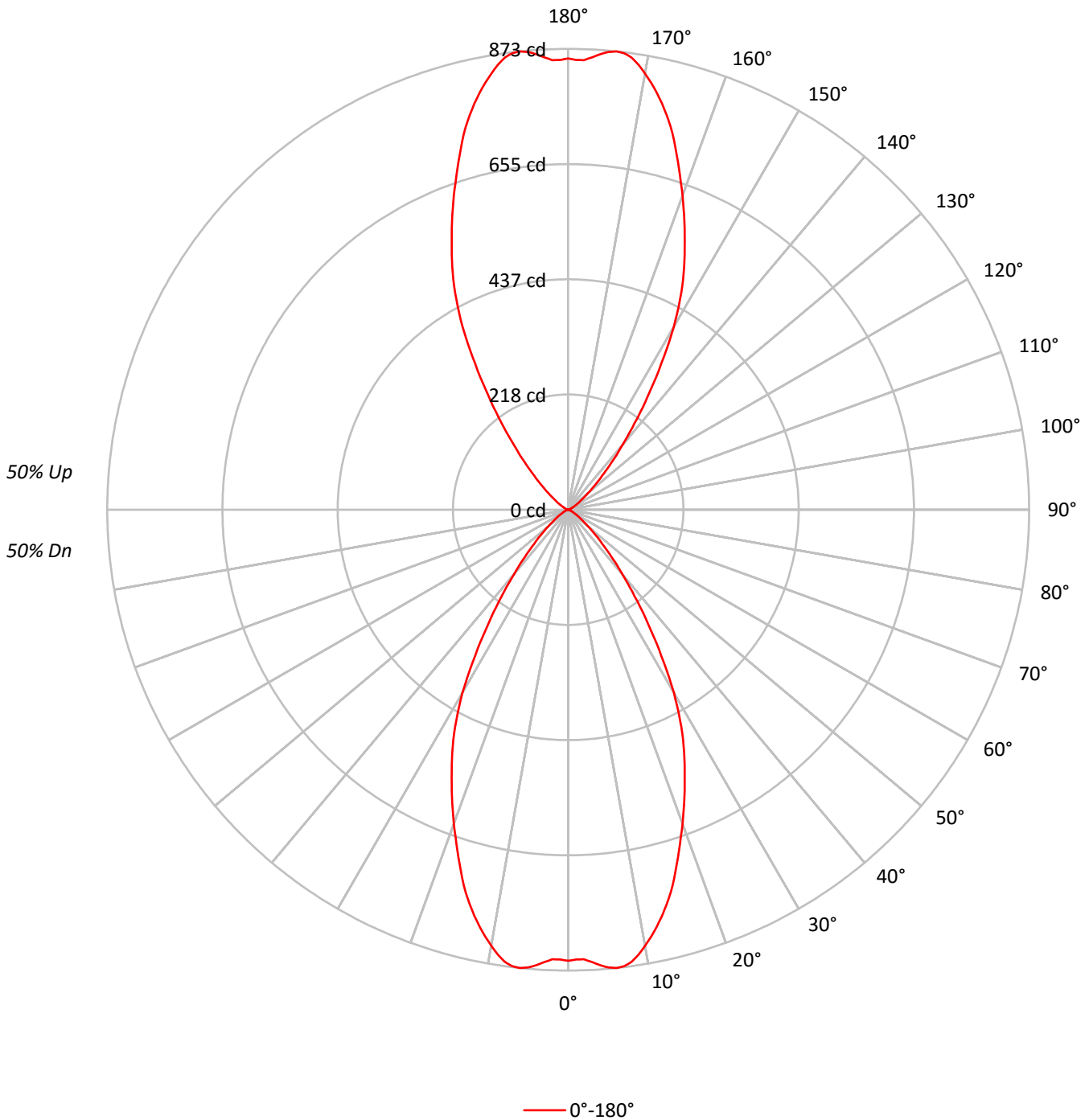
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	93	91	92	89	87	84	76	74	73	64	63	62	53	52	52	46				
2	93	87	82	78	86	81	77	73	70	67	64	59	57	55	50	48	47	43				
3	87	79	73	68	80	74	69	64	64	60	57	55	52	50	46	45	43	39				
4	81	72	65	60	75	67	62	57	59	55	51	51	48	45	43	41	40	36				
5	75	66	59	54	70	62	56	51	54	50	46	47	44	41	41	38	37	34				
6	70	60	53	48	66	57	51	46	50	46	42	44	41	38	38	36	34	31				
7	66	55	49	44	61	52	46	42	47	42	39	41	38	35	36	33	32	29				
8	62	51	45	40	58	49	43	39	43	39	35	38	35	32	34	31	29	27				
9	58	48	41	37	55	45	39	35	41	36	33	36	33	30	32	29	28	26				
10	55	44	38	34	52	42	37	33	38	34	30	34	31	28	30	28	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421692
5°	431177
10°	420281
15°	383395
20°	332405
25°	283461
30°	227825
35°	158527
40°	102985
45°	63355
50°	38378
55°	22967
60°	14012
65°	9690
70°	6059
75°	4766
80°	4830
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	5.1
10°-20°	207.8	12.9
20°-30°	237.1	14.7
30°-40°	166.3	10.3
40°-50°	73.4	4.6
50°-60°	25.4	1.6
60°-70°	8.4	0.5
70°-80°	3.0	0.2
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	3.0	0.2
110°-120°	8.4	0.5
120°-130°	25.4	1.6
130°-140°	73.4	4.6
140°-150°	166.3	10.3
150°-160°	237.1	14.7
160°-170°	207.8	12.9
170°-180°	82.2	5.1
0°-30°	527.2	32.8
0°-40°	693.5	43.1
0°-60°	792.3	49.3
0°-90°	804.3	50.0
90°-120°	12.0	0.7
90°-150°	277.1	17.2
90°-180°	804.0	50.0
0°-180°	1608.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	871	82
15°	751	208
25°	521	237
35°	263	166
45°	91	73
55°	27	25
65°	8	8
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	8	8
125°	27	25
135°	91	73
145°	263	166
155°	521	237
165°	751	208
175°	871	82
180°	855	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	854.7
1°	852.2
2°	852.2
3°	858.1
4°	864.7
5°	870.6
6°	873.1
7°	871.4
8°	864.7
9°	853.1
10°	838.9
11°	823.9
12°	807.2
13°	789.7
14°	770.6
15°	750.6
16°	727.3
17°	703.1
18°	678.9
19°	655.6
20°	633.1
21°	609.8
22°	587.3
23°	564.8
24°	542.3
25°	520.7
26°	499.0
27°	476.5
28°	451.5
29°	425.7
30°	399.9
32.5°	328.2
35°	263.2
37.5°	206.6
40°	159.9
42.5°	121.6
45°	90.8
47.5°	67.5
50°	50.0
52.5°	36.7
55°	26.7
57.5°	19.2
60°	14.2
62.5°	10.8
65°	8.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.8
70°	4.2
72.5°	3.3
75°	2.5
77.5°	2.5
80°	1.7
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°	1.7
102.5°	2.5
105°	2.5
107.5°	3.3
110°	4.2
112.5°	5.8
115°	8.3
117.5°	10.8
120°	14.2
122.5°	19.2
125°	26.7
127.5°	36.7
130°	50.0
132.5°	67.5
135°	90.8
137.5°	121.6
140°	159.9
142.5°	206.6
145°	263.2
147.5°	328.2
150°	399.9
151°	425.7
152°	451.5
153°	476.5
154°	499.0
155°	520.7
156°	542.3
157°	564.8
158°	587.3
159°	609.8
160°	633.1
161°	655.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	678.9
163°	703.1
164°	727.3
165°	750.6
166°	770.6
167°	789.7
168°	807.2
169°	823.9
170°	838.9
171°	853.1
172°	864.7
173°	871.4
174°	873.1
175°	870.6
176°	864.7
177°	858.1
178°	852.2
179°	852.2
180°	854.7

(END OF REPORT)