

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: P221372

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221372
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-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2108.1 lumens
Efficiency: N/A
Efficacy: 105.4 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

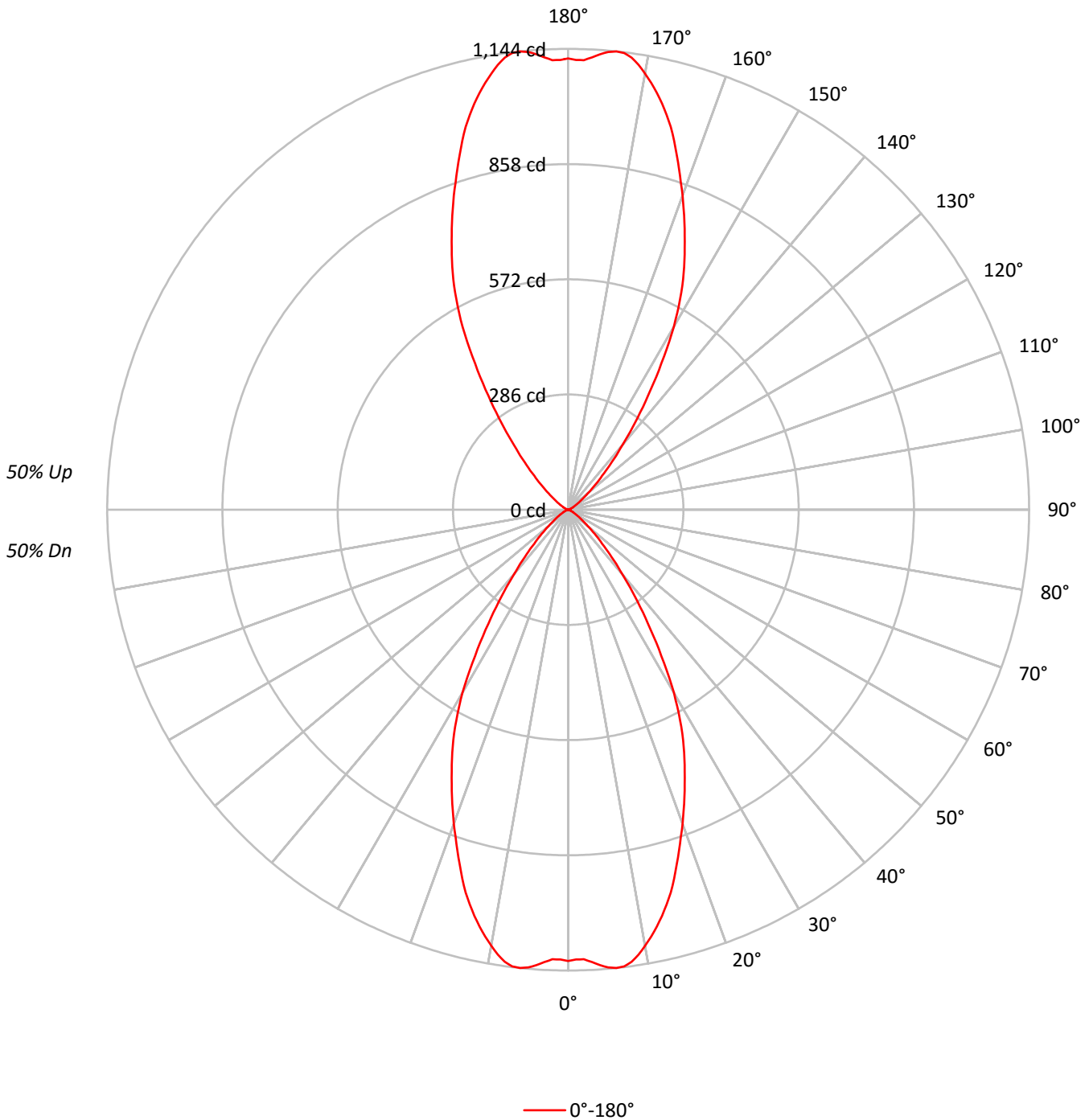
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65	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°	552634
5°	565047
10°	550789
15°	502458
20°	435629
25°	371433
30°	298526
35°	207795
40°	134995
45°	83032
50°	50275
55°	30020
60°	18354
65°	12725
70°	7934
75°	6291
80°	6251
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	5.1
10°-20°	272.3	12.9
20°-30°	310.8	14.7
30°-40°	218.0	10.3
40°-50°	96.1	4.6
50°-60°	33.3	1.6
60°-70°	11.0	0.5
70°-80°	3.9	0.2
80°-90°	0.9	0.0
90°-100°	0.9	0.0
100°-110°	3.9	0.2
110°-120°	11.0	0.5
120°-130°	33.3	1.6
130°-140°	96.1	4.6
140°-150°	218.0	10.3
150°-160°	310.8	14.7
160°-170°	272.3	12.9
170°-180°	107.8	5.1
0°-30°	690.8	32.8
0°-40°	908.8	43.1
0°-60°	1038.2	49.2
0°-90°	1054.1	50.0
90°-120°	15.8	0.8
90°-150°	363.2	17.2
90°-180°	1054.0	50.0
0°-180°	2108.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1120	
5°	1141	108
15°	984	272
25°	682	311
35°	345	218
45°	119	96
55°	35	33
65°	11	11
75°	3	4
85°	1	1
90°	0	0
95°	1	1
105°	3	4
115°	11	11
125°	35	33
135°	119	96
145°	345	218
155°	682	311
165°	984	272
175°	1141	108
180°	1120	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1120.1
1°	1116.8
2°	1116.8
3°	1124.5
4°	1133.2
5°	1140.9
6°	1144.1
7°	1142.0
8°	1133.2
9°	1117.9
10°	1099.4
11°	1079.7
12°	1057.9
13°	1035.0
14°	1009.9
15°	983.7
16°	953.1
17°	921.4
18°	889.8
19°	859.2
20°	829.7
21°	799.1
22°	769.7
23°	740.2
24°	710.7
25°	682.3
26°	653.9
27°	624.5
28°	591.7
29°	557.9
30°	524.0
32.5°	430.1
35°	345.0
37.5°	270.8
40°	209.6
42.5°	159.4
45°	119.0
47.5°	88.4
50°	65.5
52.5°	48.0
55°	34.9
57.5°	25.1
60°	18.6
62.5°	14.2
65°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.6
70°	5.5
72.5°	4.4
75°	3.3
77.5°	3.3
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0
92.5°	0.0
95°	1.1
97.5°	1.1
100°	2.2
102.5°	3.3
105°	3.3
107.5°	4.4
110°	5.5
112.5°	7.6
115°	10.9
117.5°	14.2
120°	18.6
122.5°	25.1
125°	34.9
127.5°	48.0
130°	65.5
132.5°	88.4
135°	119.0
137.5°	159.4
140°	209.6
142.5°	270.8
145°	345.0
147.5°	430.1
150°	524.0
151°	557.9
152°	591.7
153°	624.5
154°	653.9
155°	682.3
156°	710.7
157°	740.2
158°	769.7
159°	799.1
160°	829.7
161°	859.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	889.8
163°	921.4
164°	953.1
165°	983.7
166°	1009.9
167°	1035.0
168°	1057.9
169°	1079.7
170°	1099.4
171°	1117.9
172°	1133.2
173°	1142.0
174°	1144.1
175°	1140.9
176°	1133.2
177°	1124.5
178°	1116.8
179°	1116.8
180°	1120.1

(END OF REPORT)