

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: P221308

Luminaire Tested: **9002-W2-FL-LED2790-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221308
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-LED2790-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1462.6 lumens
Efficiency: N/A
Efficacy: 73.1 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

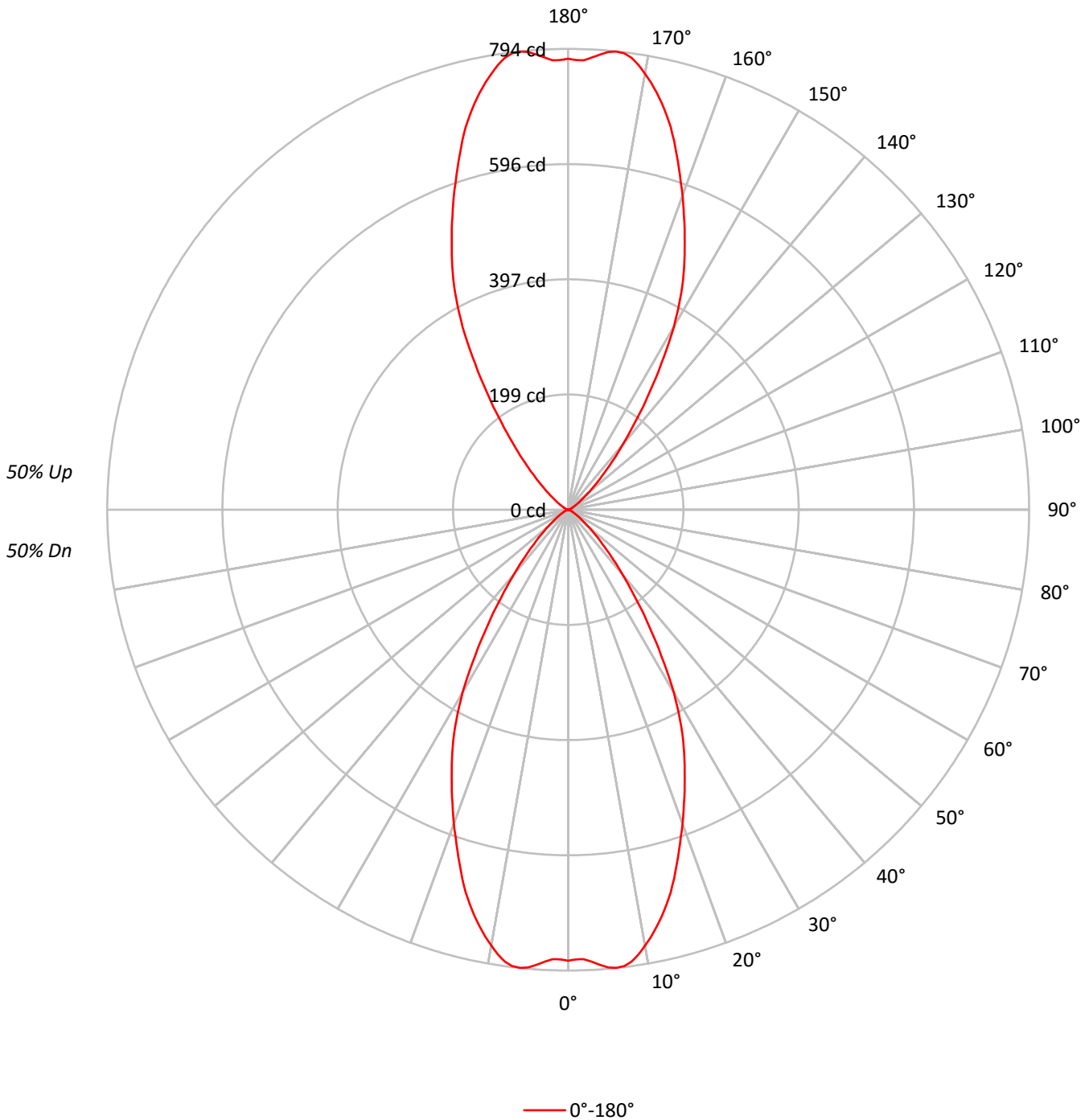
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	383405
5°	392002
10°	382106
15°	348610
20°	302268
25°	257711
30°	207145
35°	144192
40°	93647
45°	57634
50°	34847
55°	20816
60°	12729
65°	8873
70°	5482
75°	4384
80°	4262
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	5.1
10°-20°	188.9	12.9
20°-30°	215.6	14.7
30°-40°	151.2	10.3
40°-50°	66.7	4.6
50°-60°	23.1	1.6
60°-70°	7.6	0.5
70°-80°	2.7	0.2
80°-90°	0.6	0.0
90°-100°	0.6	0.0
100°-110°	2.7	0.2
110°-120°	7.6	0.5
120°-130°	23.1	1.6
130°-140°	66.7	4.6
140°-150°	151.2	10.3
150°-160°	215.6	14.7
160°-170°	188.9	12.9
170°-180°	74.8	5.1
0°-30°	479.3	32.8
0°-40°	630.5	43.1
0°-60°	720.3	49.2
0°-90°	731.3	50.0
90°-120°	11.0	0.8
90°-150°	252.0	17.2
90°-180°	731.0	50.0
0°-180°	1462.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	777	
5°	792	75
15°	682	189
25°	473	216
35°	239	151
45°	83	67
55°	24	23
65°	8	8
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	8	8
125°	24	23
135°	83	67
145°	239	151
155°	473	216
165°	682	189
175°	792	75
180°	777	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	777.1
1°	774.9
2°	774.9
3°	780.2
4°	786.2
5°	791.5
6°	793.8
7°	792.3
8°	786.2
9°	775.6
10°	762.7
11°	749.1
12°	734.0
13°	718.1
14°	700.6
15°	682.5
16°	661.2
17°	639.3
18°	617.3
19°	596.1
20°	575.7
21°	554.4
22°	534.0
23°	513.5
24°	493.1
25°	473.4
26°	453.7
27°	433.3
28°	410.5
29°	387.1
30°	363.6
32.5°	298.4
35°	239.4
37.5°	187.8
40°	145.4
42.5°	110.6
45°	82.6
47.5°	61.4
50°	45.4
52.5°	33.3
55°	24.2
57.5°	17.4
60°	12.9
62.5°	9.8
65°	7.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.3
70°	3.8
72.5°	3.0
75°	2.3
77.5°	2.3
80°	1.5
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°	1.5
102.5°	2.3
105°	2.3
107.5°	3.0
110°	3.8
112.5°	5.3
115°	7.6
117.5°	9.8
120°	12.9
122.5°	17.4
125°	24.2
127.5°	33.3
130°	45.4
132.5°	61.4
135°	82.6
137.5°	110.6
140°	145.4
142.5°	187.8
145°	239.4
147.5°	298.4
150°	363.6
151°	387.1
152°	410.5
153°	433.3
154°	453.7
155°	473.4
156°	493.1
157°	513.5
158°	534.0
159°	554.4
160°	575.7
161°	596.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	617.3
163°	639.3
164°	661.2
165°	682.5
166°	700.6
167°	718.1
168°	734.0
169°	749.1
170°	762.7
171°	775.6
172°	786.2
173°	792.3
174°	793.8
175°	791.5
176°	786.2
177°	780.2
178°	774.9
179°	774.9
180°	777.1

(END OF REPORT)