

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: P221315

Luminaire Tested: **9002-W2-FL-LED2797-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2797-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1366.6 lumens
Efficiency: N/A
Efficacy: 68.3 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

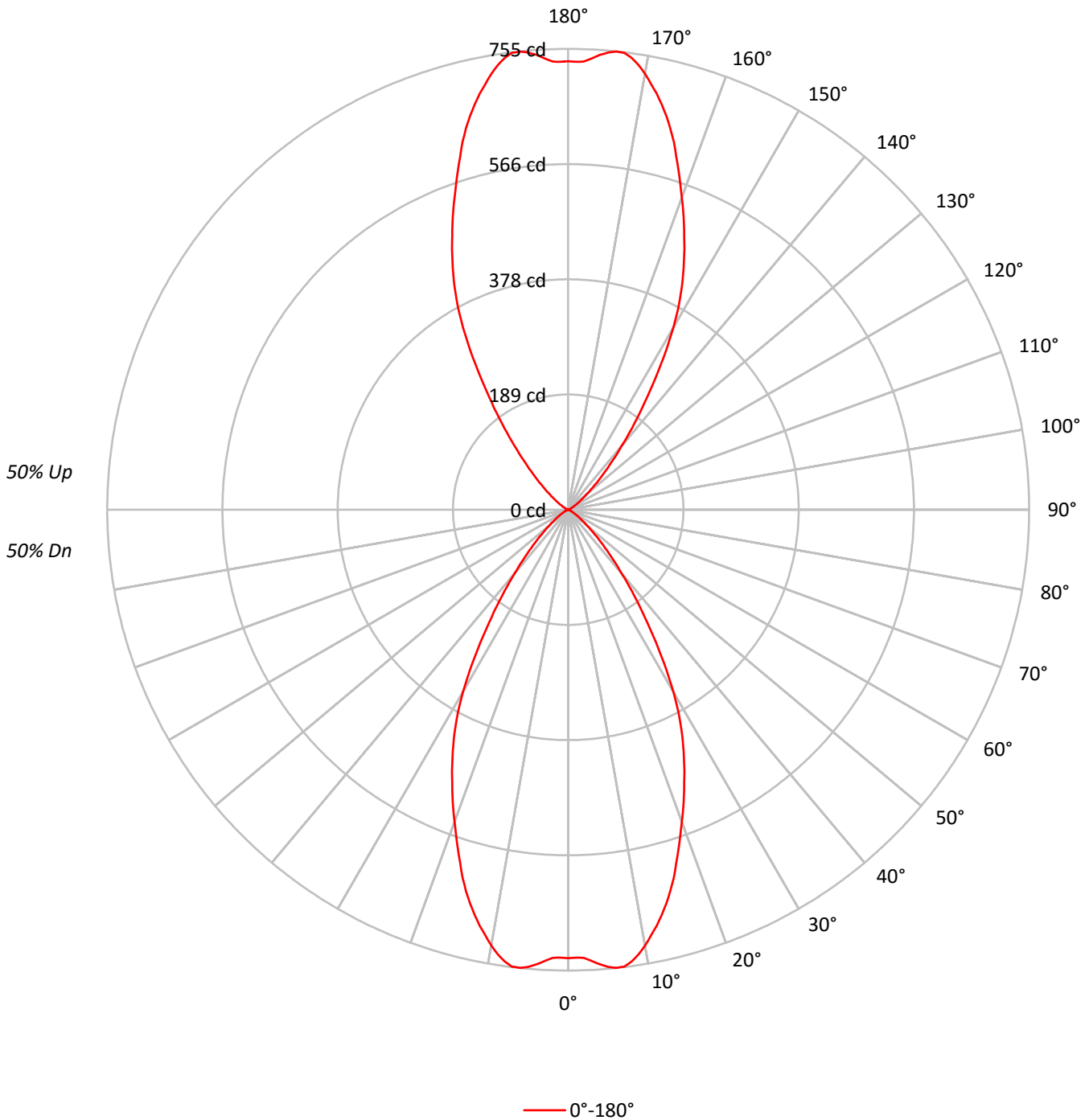
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	93	91	92	89	87	85	76	75	73	64	63	62	53	52	52	47
2	93	87	82	78	86	81	77	73	70	67	64	59	57	56	50	49	47	43
3	87	79	73	69	80	74	69	65	64	60	57	55	52	50	47	45	44	40
4	81	72	66	61	75	68	62	58	59	55	52	51	48	46	44	42	40	37
5	75	66	59	54	70	62	56	52	54	50	47	47	44	42	41	39	37	34
6	71	60	54	49	66	57	51	47	50	46	43	44	41	38	38	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39	41	38	35	36	34	32	30
8	62	52	45	40	58	49	43	39	44	39	36	39	35	33	34	32	30	28
9	59	48	42	37	55	46	40	36	41	36	33	36	33	30	32	30	28	26
10	55	45	38	34	52	43	37	33	38	34	31	34	31	28	30	28	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	362437
5°	372439
10°	363318
15°	330273
20°	285676
25°	243939
30°	196093
35°	136061
40°	87850
45°	53377
50°	31010
55°	17376
60°	9276
65°	5020
70°	2020
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	5.2
10°-20°	179.1	13.1
20°-30°	204.2	14.9
30°-40°	143.0	10.5
40°-50°	61.7	4.5
50°-60°	19.4	1.4
60°-70°	4.5	0.3
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	4.5	0.3
120°-130°	19.4	1.4
130°-140°	61.7	4.5
140°-150°	143.0	10.5
150°-160°	204.2	14.9
160°-170°	179.1	13.1
170°-180°	71.1	5.2
0°-30°	454.4	33.2
0°-40°	597.3	43.7
0°-60°	678.4	49.6
0°-90°	683.3	50.0
90°-120°	5.1	0.4
90°-150°	229.1	16.8
90°-180°	683.0	50.0
0°-180°	1366.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	735	
5°	752	71
15°	647	179
25°	448	204
35°	226	143
45°	76	62
55°	20	19
65°	4	5
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	4	5
125°	20	19
135°	76	62
145°	226	143
155°	448	204
165°	647	179
175°	752	71
180°	735	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	734.6
1°	733.9
2°	734.6
3°	740.4
4°	746.9
5°	752.0
6°	754.8
7°	754.1
8°	747.6
9°	737.5
10°	725.2
11°	710.8
12°	697.1
13°	681.2
14°	664.6
15°	646.6
16°	627.1
17°	605.5
18°	584.5
19°	564.3
20°	544.1
21°	525.4
22°	505.9
23°	486.4
24°	467.6
25°	448.1
26°	429.4
27°	409.9
28°	389.0
29°	367.3
30°	344.2
32.5°	282.9
35°	225.9
37.5°	177.5
40°	136.4
42.5°	103.2
45°	76.5
47.5°	55.6
50°	40.4
52.5°	28.9
55°	20.2
57.5°	13.7
60°	9.4
62.5°	6.5
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	1.4
72.5°	0.7
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°	0.7
110°	1.4
112.5°	2.2
115°	4.3
117.5°	6.5
120°	9.4
122.5°	13.7
125°	20.2
127.5°	28.9
130°	40.4
132.5°	55.6
135°	76.5
137.5°	103.2
140°	136.4
142.5°	177.5
145°	225.9
147.5°	282.9
150°	344.2
151°	367.3
152°	389.0
153°	409.9
154°	429.4
155°	448.1
156°	467.6
157°	486.4
158°	505.9
159°	525.4
160°	544.1
161°	564.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	584.5
163°	605.5
164°	627.1
165°	646.6
166°	664.6
167°	681.2
168°	697.1
169°	710.8
170°	725.2
171°	737.5
172°	747.6
173°	754.1
174°	754.8
175°	752.0
176°	746.9
177°	740.4
178°	734.6
179°	733.9
180°	734.6

(END OF REPORT)