

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: P221348

Luminaire Tested: **9002-W2-FL-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221348
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-LED3597-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1569.0 lumens
Efficiency: N/A
Efficacy: 78.4 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

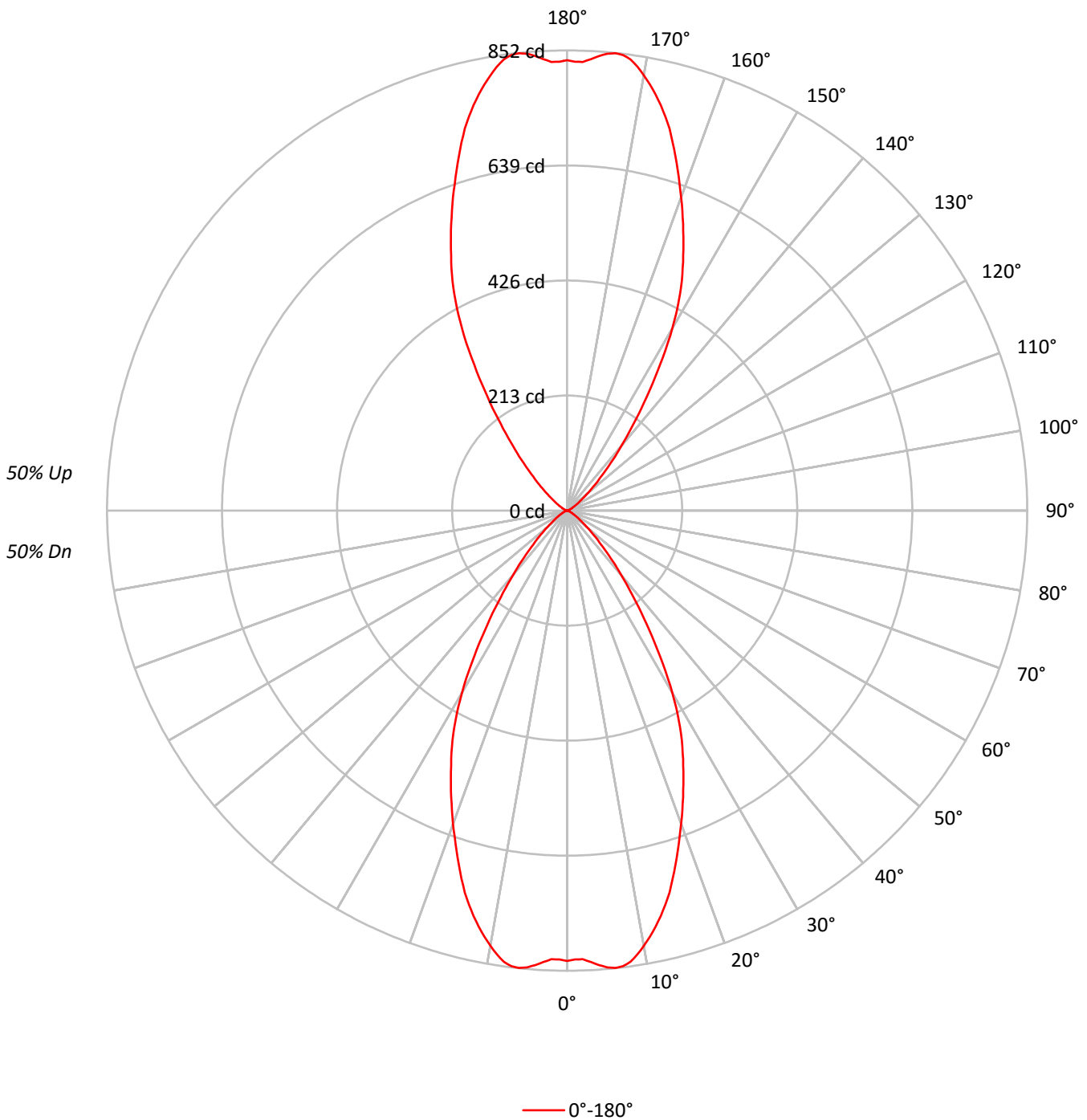
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	411331
5°	420529
10°	409911
15°	373945
20°	324214
25°	276438
30°	222185
35°	154672
40°	100474
45°	61820
50°	37457
55°	22365
60°	13617
65°	9456
70°	5914
75°	4575
80°	4546
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	5.1
10°-20°	202.7	12.9
20°-30°	231.3	14.7
30°-40°	162.2	10.3
40°-50°	71.6	4.6
50°-60°	24.8	1.6
60°-70°	8.2	0.5
70°-80°	2.9	0.2
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.9	0.2
110°-120°	8.2	0.5
120°-130°	24.8	1.6
130°-140°	71.6	4.6
140°-150°	162.2	10.3
150°-160°	231.3	14.7
160°-170°	202.7	12.9
170°-180°	80.2	5.1
0°-30°	514.2	32.8
0°-40°	676.4	43.1
0°-60°	772.7	49.3
0°-90°	784.5	50.0
90°-120°	11.8	0.7
90°-150°	270.3	17.2
90°-180°	784.0	50.0
0°-180°	1569.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	834	
5°	849	80
15°	732	203
25°	508	231
35°	257	162
45°	89	72
55°	26	25
65°	8	8
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	8	8
125°	26	25
135°	89	72
145°	257	162
155°	508	231
165°	732	203
175°	849	80
180°	834	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	833.7
1°	831.2
2°	831.2
3°	836.9
4°	843.4
5°	849.1
6°	851.5
7°	849.9
8°	843.4
9°	832.0
10°	818.2
11°	803.6
12°	787.3
13°	770.3
14°	751.6
15°	732.1
16°	709.3
17°	685.8
18°	662.2
19°	639.5
20°	617.5
21°	594.8
22°	572.8
23°	550.9
24°	529.0
25°	507.8
26°	486.7
27°	464.8
28°	440.4
29°	415.2
30°	390.0
32.5°	320.1
35°	256.8
37.5°	201.5
40°	156.0
42.5°	118.6
45°	88.6
47.5°	65.8
50°	48.8
52.5°	35.8
55°	26.0
57.5°	18.7
60°	13.8
62.5°	10.6
65°	8.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.7
70°	4.1
72.5°	3.3
75°	2.4
77.5°	2.4
80°	1.6
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°	1.6
102.5°	2.4
105°	2.4
107.5°	3.3
110°	4.1
112.5°	5.7
115°	8.1
117.5°	10.6
120°	13.8
122.5°	18.7
125°	26.0
127.5°	35.8
130°	48.8
132.5°	65.8
135°	88.6
137.5°	118.6
140°	156.0
142.5°	201.5
145°	256.8
147.5°	320.1
150°	390.0
151°	415.2
152°	440.4
153°	464.8
154°	486.7
155°	507.8
156°	529.0
157°	550.9
158°	572.8
159°	594.8
160°	617.5
161°	639.5



TEST NUMBER: P221348

CATALOG NUMBER: 9002-W2-FL-LED3597-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	662.2
163°	685.8
164°	709.3
165°	732.1
166°	751.6
167°	770.3
168°	787.3
169°	803.6
170°	818.2
171°	832.0
172°	843.4
173°	849.9
174°	851.5
175°	849.1
176°	843.4
177°	836.9
178°	831.2
179°	831.2
180°	833.7

(END OF REPORT)