

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: P221347

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221347
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-LED3597-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1538.7 lumens
Efficiency: N/A
Efficacy: 76.9 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

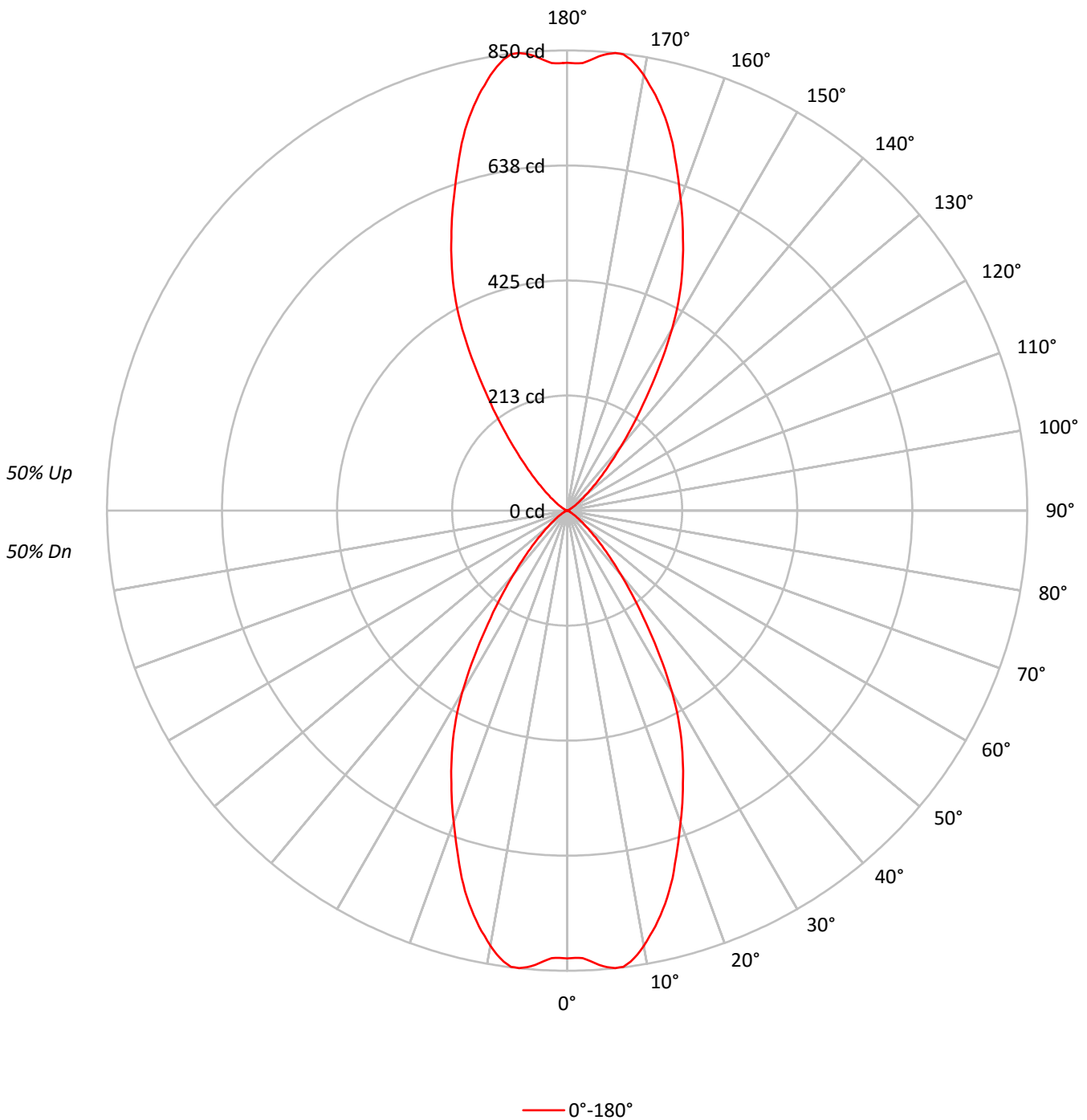
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	408124
5°	419340
10°	409109
15°	371851
20°	321642
25°	274696
30°	220818
35°	153166
40°	98928
45°	60076
50°	34924
55°	19612
60°	10460
65°	5720
70°	2308
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	5.2
10°-20°	201.6	13.1
20°-30°	230.0	14.9
30°-40°	161.0	10.5
40°-50°	69.4	4.5
50°-60°	21.9	1.4
60°-70°	5.1	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°	5.1	0.3
120°-130°	21.9	1.4
130°-140°	69.4	4.5
140°-150°	161.0	10.5
150°-160°	230.0	14.9
160°-170°	201.6	13.1
170°-180°	80.0	5.2
0°-30°	511.6	33.2
0°-40°	672.6	43.7
0°-60°	763.8	49.6
0°-90°	769.3	50.0
90°-120°	5.7	0.4
90°-150°	257.9	16.8
90°-180°	770.0	50.0
0°-180°	1538.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	847	80
15°	728	202
25°	505	230
35°	254	161
45°	86	69
55°	23	22
65°	5	5
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	5	5
125°	23	22
135°	86	69
145°	254	161
155°	505	230
165°	728	202
175°	847	80
180°	827	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	827.2
1°	826.3
2°	827.2
3°	833.7
4°	841.0
5°	846.7
6°	849.9
7°	849.1
8°	841.8
9°	830.4
10°	816.6
11°	800.3
12°	784.9
13°	767.0
14°	748.3
15°	728.0
16°	706.1
17°	681.7
18°	658.1
19°	635.4
20°	612.6
21°	591.5
22°	569.6
23°	547.6
24°	526.5
25°	504.6
26°	483.5
27°	461.5
28°	438.0
29°	413.6
30°	387.6
32.5°	318.5
35°	254.3
37.5°	199.9
40°	153.6
42.5°	116.2
45°	86.1
47.5°	62.6
50°	45.5
52.5°	32.5
55°	22.8
57.5°	15.4
60°	10.6
62.5°	7.3
65°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	1.6
72.5°	0.8
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°	0.8
110°	1.6
112.5°	2.4
115°	4.9
117.5°	7.3
120°	10.6
122.5°	15.4
125°	22.8
127.5°	32.5
130°	45.5
132.5°	62.6
135°	86.1
137.5°	116.2
140°	153.6
142.5°	199.9
145°	254.3
147.5°	318.5
150°	387.6
151°	413.6
152°	438.0
153°	461.5
154°	483.5
155°	504.6
156°	526.5
157°	547.6
158°	569.6
159°	591.5
160°	612.6
161°	635.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	658.1
163°	681.7
164°	706.1
165°	728.0
166°	748.3
167°	767.0
168°	784.9
169°	800.3
170°	816.6
171°	830.4
172°	841.8
173°	849.1
174°	849.9
175°	846.7
176°	841.0
177°	833.7
178°	827.2
179°	826.3
180°	827.2

(END OF REPORT)