

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: P221256

Luminaire Tested: **9002-W2-[RW, RI]-LED3590-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-[RW, RI]-LED3590-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1681.7 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

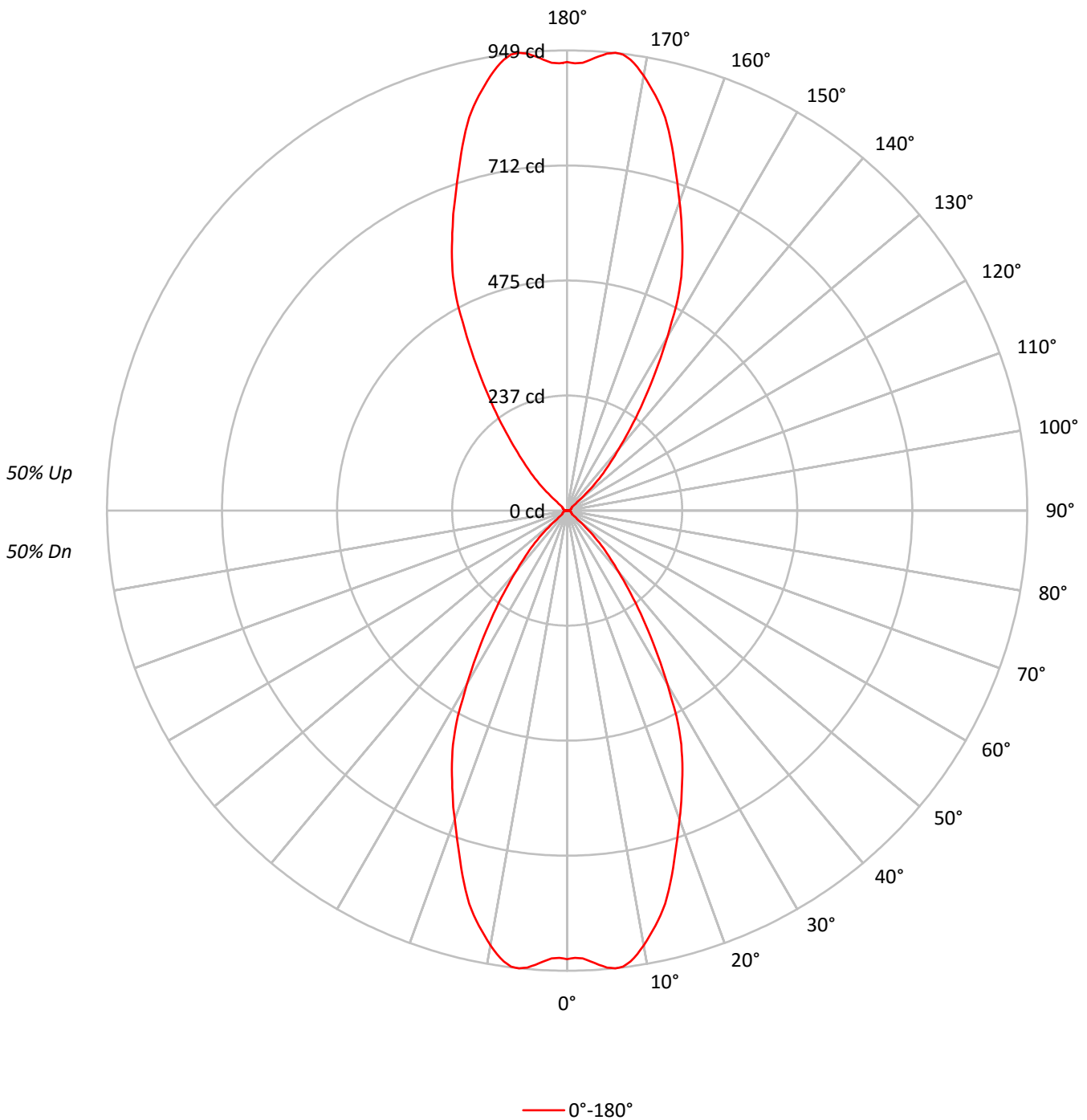
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	90	92	89	87	84	76	74	73	64	63	62	53	52	51	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	65	64	60	57	55	52	50	46	45	43	40
4	81	72	66	61	75	67	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	61	54	49	66	57	51	47	50	46	43	44	41	38	39	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39	41	38	36	36	34	32	30
8	62	52	45	41	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	37	33	31	32	30	28	26
10	55	45	39	34	52	43	37	33	38	34	31	34	31	29	31	28	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	456425
5°	468520
10°	456052
15°	413991
20°	355717
25°	305454
30°	235573
35°	164309
40°	106270
45°	65448
50°	20647
55°	10494
60°	10262
65°	11207
70°	11252
75°	13153
80°	12217
85°	14718



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	5.3
10°-20°	224.0	13.3
20°-30°	253.5	15.1
30°-40°	172.1	10.2
40°-50°	71.1	4.2
50°-60°	12.3	0.7
60°-70°	9.2	0.5
70°-80°	6.9	0.4
80°-90°	2.5	0.1
90°-100°	2.5	0.1
100°-110°	6.9	0.4
110°-120°	9.2	0.5
120°-130°	12.3	0.7
130°-140°	71.1	4.2
140°-150°	172.1	10.2
150°-160°	253.5	15.1
160°-170°	224.0	13.3
170°-180°	89.3	5.3
0°-30°	566.8	33.7
0°-40°	738.9	43.9
0°-60°	822.3	48.9
0°-90°	840.8	50.0
90°-120°	18.5	1.1
90°-150°	274.0	16.3
90°-180°	841.0	50.0
0°-180°	1681.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	925	
5°	946	89
15°	810	224
25°	561	253
35°	273	172
45°	94	71
55°	12	12
65°	10	9
75°	7	7
85°	3	2
90°	0	0
95°	3	2
105°	7	7
115°	10	9
125°	12	12
135°	94	71
145°	273	172
155°	561	253
165°	810	224
175°	946	89
180°	925	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	925.1
1°	922.5
2°	924.2
3°	931.2
4°	939.0
5°	946.0
6°	949.4
7°	947.7
8°	939.0
9°	926.0
10°	910.3
11°	893.0
12°	875.6
13°	856.5
14°	835.6
15°	810.5
16°	782.7
17°	754.9
18°	727.9
19°	701.9
20°	677.5
21°	655.0
22°	630.6
23°	607.2
24°	584.6
25°	561.1
26°	536.8
27°	509.9
28°	480.4
29°	444.7
30°	413.5
32.5°	338.8
35°	272.8
37.5°	214.6
40°	165.0
42.5°	126.8
45°	93.8
47.5°	58.2
50°	26.9
52.5°	13.0
55°	12.2
57.5°	11.3
60°	10.4
62.5°	9.6
65°	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	8.7
70°	7.8
72.5°	6.9
75°	6.9
77.5°	6.1
80°	4.3
82.5°	3.5
85°	2.6
87.5°	0.9
90°	0.0
92.5°	0.9
95°	2.6
97.5°	3.5
100°	4.3
102.5°	6.1
105°	6.9
107.5°	6.9
110°	7.8
112.5°	8.7
115°	9.6
117.5°	9.6
120°	10.4
122.5°	11.3
125°	12.2
127.5°	13.0
130°	26.9
132.5°	58.2
135°	93.8
137.5°	126.8
140°	165.0
142.5°	214.6
145°	272.8
147.5°	338.8
150°	413.5
151°	444.7
152°	480.4
153°	509.9
154°	536.8
155°	561.1
156°	584.6
157°	607.2
158°	630.6
159°	655.0
160°	677.5
161°	701.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	727.9
163°	754.9
164°	782.7
165°	810.5
166°	835.6
167°	856.5
168°	875.6
169°	893.0
170°	910.3
171°	926.0
172°	939.0
173°	947.7
174°	949.4
175°	946.0
176°	939.0
177°	931.2
178°	924.2
179°	922.5
180°	925.1

(END OF REPORT)