

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: P221222

Luminaire Tested: **9002-W2-[RW, RI]-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)  
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]-LED2790-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 709.7 lumens  
Efficiency: N/A  
Efficacy: 35.5 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

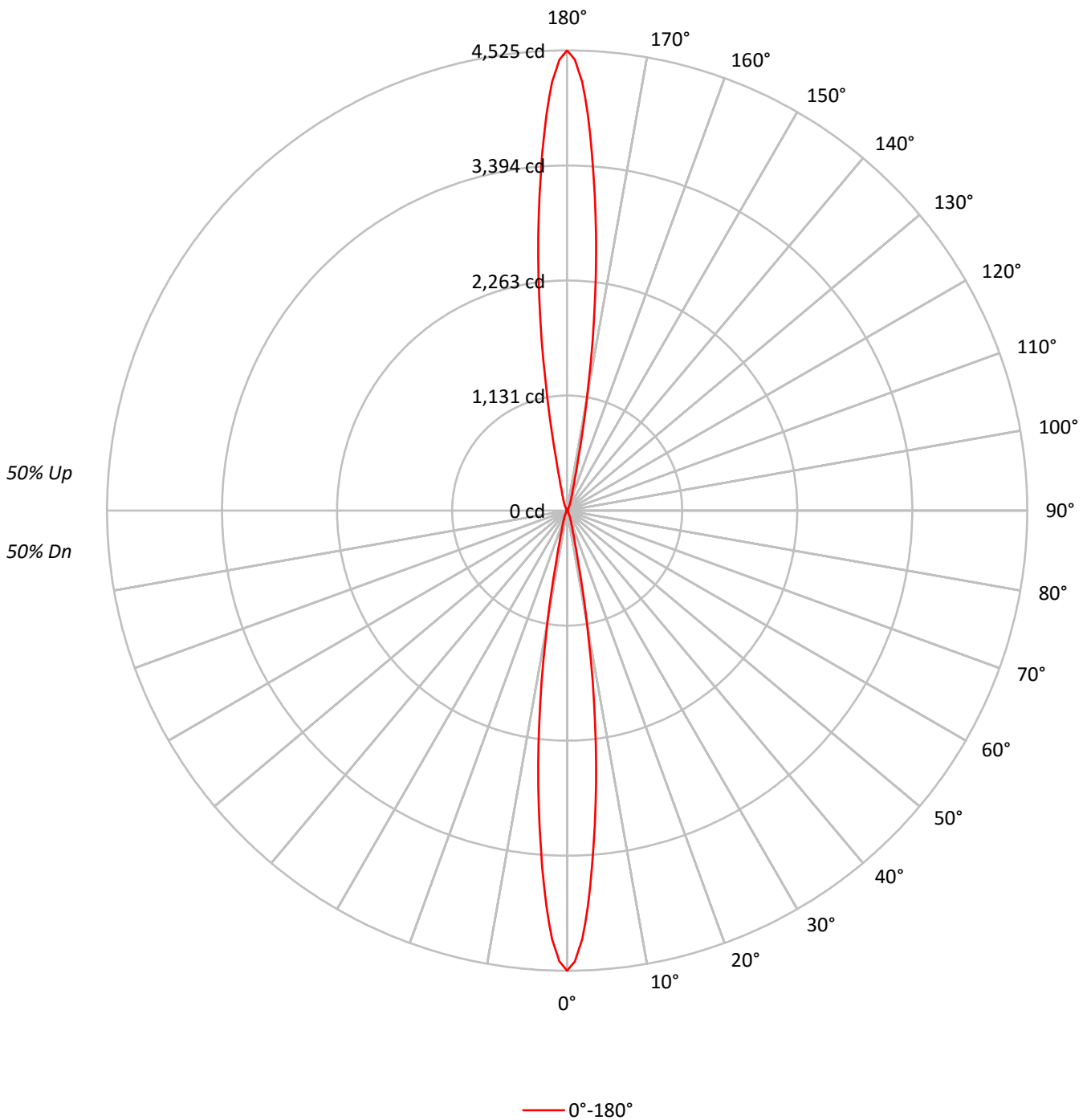
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	96	93	94	91	89	87	78	77	75	66	65	64	55	54	54	49
2	96	91	87	83	89	85	81	78	74	71	69	63	62	61	54	53	52	48
3	91	85	80	76	85	79	75	72	70	67	65	61	59	58	52	51	51	47
4	86	79	74	70	81	75	70	67	66	63	61	59	57	55	51	50	49	46
5	83	75	69	66	77	71	66	63	64	60	58	57	55	53	50	49	48	46
6	79	71	66	62	74	68	63	60	61	58	55	55	53	51	49	48	47	45
7	76	68	62	59	72	65	60	57	59	56	53	54	51	50	49	47	46	44
8	73	65	60	56	69	62	58	55	57	54	52	52	50	48	48	46	45	44
9	71	62	57	54	67	60	56	53	55	52	50	51	49	47	47	46	45	43
10	68	60	55	52	65	58	54	51	54	51	49	50	48	46	46	45	44	43

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

	0°
0°	2232493
5°	1541411
10°	555549
15°	113343
20°	53712
25°	26403
30°	9514
35°	4999
40°	3414
45°	3140
50°	2917
55°	2581
60°	2270
65°	1751
70°	2164
75°	1525
80°	2273
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.4	32.8
10°-20°	84.7	11.9
20°-30°	23.2	3.3
30°-40°	5.6	0.8
40°-50°	3.3	0.5
50°-60°	2.7	0.4
60°-70°	1.6	0.2
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.5	0.1
100°-110°	0.9	0.1
110°-120°	1.6	0.2
120°-130°	2.7	0.4
130°-140°	3.3	0.5
140°-150°	5.6	0.8
150°-160°	23.2	3.3
160°-170°	84.7	11.9
170°-180°	232.4	32.8
0°-30°	340.3	48.0
0°-40°	345.9	48.7
0°-60°	352.0	49.6
0°-90°	354.8	50.0
90°-120°	3.1	0.4
90°-150°	14.8	2.1
90°-180°	355.0	50.0
0°-180°	709.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4525	
5°	3112	232
15°	222	85
25°	48	23
35°	8	6
45°	4	3
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	4	3
145°	8	6
155°	48	23
165°	222	85
175°	3112	232
180°	4525	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4524.9
1°	4431.8
2°	4218.2
3°	3899.3
4°	3513.0
5°	3112.3
6°	2713.9
7°	2312.5
8°	1900.4
9°	1491.4
10°	1108.9
11°	783.9
12°	544.6
13°	384.0
14°	284.8
15°	221.9
17.5°	141.6
20°	102.3
22.5°	75.0
25°	48.5
27.5°	28.0
30°	16.7
32.5°	10.6
35°	8.3
37.5°	6.8
40°	5.3
42.5°	4.5
45°	4.5
47.5°	3.8
50°	3.8
52.5°	3.8
55°	3.0
57.5°	2.3
60°	2.3
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
107.5°	0.8
110°	1.5
112.5°	1.5
115°	1.5
117.5°	1.5
120°	2.3
122.5°	2.3
125°	3.0
127.5°	3.8
130°	3.8
132.5°	3.8
135°	4.5
137.5°	4.5
140°	5.3
142.5°	6.8
145°	8.3
147.5°	10.6
150°	16.7
152.5°	28.0
155°	48.5
157.5°	75.0
160°	102.3
162.5°	141.6
165°	221.9
166°	284.8
167°	384.0
168°	544.6
169°	783.9
170°	1108.9
171°	1491.4
172°	1900.4
173°	2312.5
174°	2713.9
175°	3112.3
176°	3513.0
177°	3899.3
178°	4218.2
179°	4431.8



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**CANDELA DISTRIBUTION (continued):**

180°  $\overbrace{\quad\quad\quad}^{0^\circ}$   
4524.9

(END OF REPORT)