

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: P221233

Luminaire Tested: **9002-W2-[RW, RI]-LED3090-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29415)  
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]-LED3090-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1581.4 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

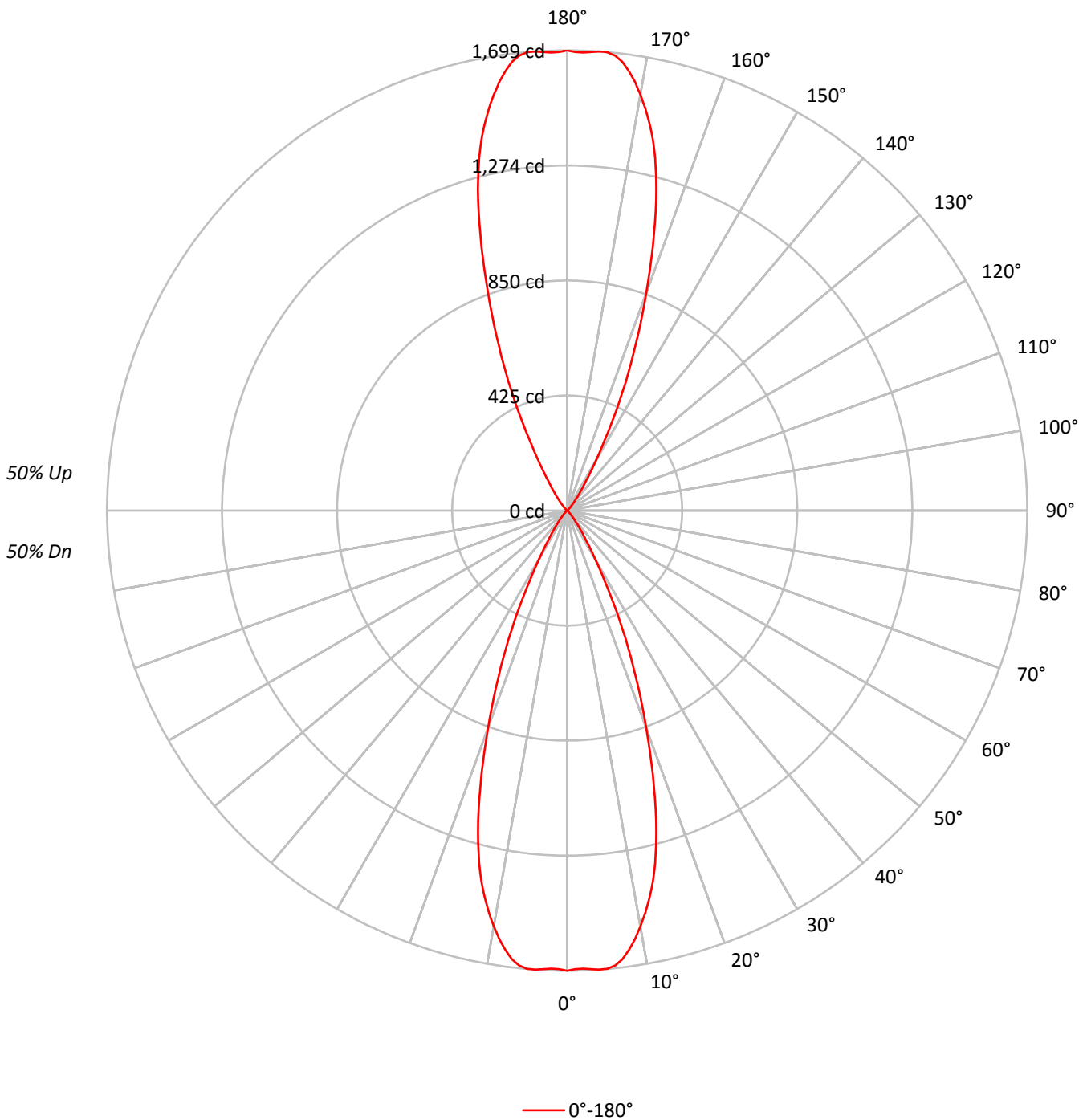
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67		61	60	58		52	51	50	46
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		50	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	52	50		47	46	45	41
5	79	70	64	60	74	66	61	57	59	55	52		52	49	47		45	44	42	40
6	75	65	59	55	70	62	57	53	55	51	49		49	47	44		44	42	40	38
7	71	61	55	51	66	58	53	49	52	48	46		47	44	42		42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43		45	42	40		40	38	37	35
9	64	54	48	45	60	52	47	43	47	43	40		43	40	38		39	37	35	33
10	61	51	46	42	57	49	44	41	45	41	38		41	38	36		37	35	34	32

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

	0°
0°	838449
5°	841256
10°	781045
15°	649207
20°	447390
25°	263809
30°	117929
35°	50232
40°	20159
45°	7257
50°	2456
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.8	10.0
10°-20°	342.2	21.6
20°-30°	221.7	14.0
30°-40°	58.2	3.7
40°-50°	9.7	0.6
50°-60°	1.1	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	1.1	0.1
130°-140°	9.7	0.6
140°-150°	58.2	3.7
150°-160°	221.7	14.0
160°-170°	342.2	21.6
170°-180°	157.8	10.0
0°-30°	721.7	45.6
0°-40°	779.9	49.3
0°-60°	790.7	50.0
0°-90°	790.7	50.0
90°-120°	0.0	0.0
90°-150°	69.0	4.4
90°-180°	791.0	50.0
0°-180°	1581.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1699	
5°	1699	158
15°	1271	342
25°	485	222
35°	83	58
45°	10	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	10	10
145°	83	58
155°	485	222
165°	1271	342
175°	1699	158
180°	1699	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1699.4
1°	1693.8
2°	1692.2
3°	1695.4
4°	1699.4
5°	1698.6
6°	1689.0
7°	1669.7
8°	1638.4
9°	1601.5
10°	1559.0
11°	1512.5
12°	1461.9
13°	1406.6
14°	1342.4
15°	1271.0
16°	1192.3
17°	1108.9
18°	1023.0
19°	935.6
20°	852.1
22.5°	658.7
25°	484.6
26°	420.4
27°	356.3
28°	298.5
29°	248.7
30°	207.0
32.5°	130.0
35°	83.4
37.5°	51.4
40°	31.3
42.5°	18.5
45°	10.4
47.5°	5.6
50°	3.2
52.5°	1.6
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
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°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.8
125°	0.8
127.5°	1.6
130°	3.2
132.5°	5.6
135°	10.4
137.5°	18.5
140°	31.3
142.5°	51.4
145°	83.4
147.5°	130.0
150°	207.0
151°	248.7
152°	298.5
153°	356.3
154°	420.4
155°	484.6
157.5°	658.7
160°	852.1
161°	935.6
162°	1023.0
163°	1108.9
164°	1192.3
165°	1271.0
166°	1342.4
167°	1406.6



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1461.9
169°	1512.5
170°	1559.0
171°	1601.5
172°	1638.4
173°	1669.7
174°	1689.0
175°	1698.6
176°	1699.4
177°	1695.4
178°	1692.2
179°	1693.8
180°	1699.4

(END OF REPORT)