

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: P221239

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221239  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1451.1 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

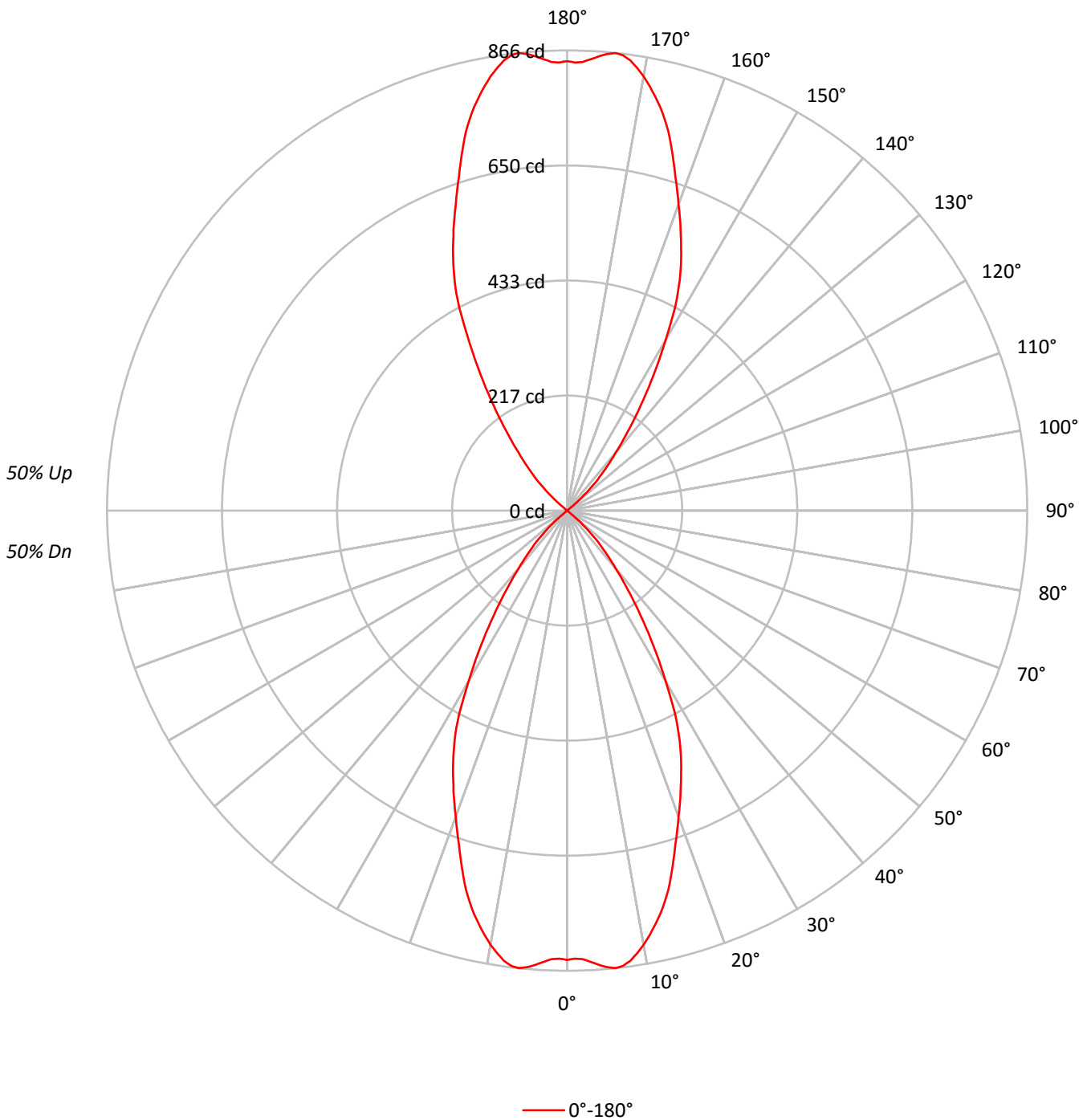
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	91	92	90	87	85	77	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65		60	58	56		50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58		56	53	51		47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53		52	49	47		45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44		45	42	40		40	37	36	33
7	67	57	50	46	63	54	48	44	48	43	40		42	39	37		37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37		40	37	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	38	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32		35	32	30		32	29	27	26

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

	0°
0°	417251
5°	427215
10°	415672
15°	376652
20°	321852
25°	275622
30°	211190
35°	144975
40°	91457
45°	53168
50°	11053
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°	81.4	5.6
10°-20°	203.5	14.0
20°-30°	228.6	15.8
30°-40°	152.1	10.5
40°-50°	57.6	4.0
50°-60°	2.3	0.2
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°	2.3	0.2
130°-140°	57.6	4.0
140°-150°	152.1	10.5
150°-160°	228.6	15.8
160°-170°	203.5	14.0
170°-180°	81.4	5.6
0°-30°	513.6	35.4
0°-40°	665.7	45.9
0°-60°	725.5	50.0
0°-90°	725.5	50.0
90°-120°	0.0	0.0
90°-150°	212.0	14.6
90°-180°	726.0	50.0
0°-180°	1451.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	846	
5°	863	81
15°	737	204
25°	506	229
35°	241	152
45°	76	58
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	2
135°	76	58
145°	241	152
155°	506	229
165°	737	204
175°	863	81
180°	846	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	845.7
1°	843.3
2°	844.9
3°	850.5
4°	856.9
5°	862.6
6°	865.8
7°	863.4
8°	855.3
9°	843.3
10°	829.7
11°	813.6
12°	796.8
13°	779.1
14°	759.0
15°	737.4
16°	711.7
17°	685.2
18°	659.6
19°	636.3
20°	613.0
21°	592.2
22°	570.5
23°	548.8
24°	528.0
25°	506.3
26°	483.8
27°	459.0
28°	431.7
29°	400.4
30°	370.7
32.5°	302.5
35°	240.7
37.5°	187.0
40°	142.0
42.5°	106.7
45°	76.2
47.5°	43.3
50°	14.4
52.5°	1.6
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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°	14.4
132.5°	43.3
135°	76.2
137.5°	106.7
140°	142.0
142.5°	187.0
145°	240.7
147.5°	302.5
150°	370.7
151°	400.4
152°	431.7
153°	459.0
154°	483.8
155°	506.3
156°	528.0
157°	548.8
158°	570.5
159°	592.2
160°	613.0
161°	636.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	659.6
163°	685.2
164°	711.7
165°	737.4
166°	759.0
167°	779.1
168°	796.8
169°	813.6
170°	829.7
171°	843.3
172°	855.3
173°	863.4
174°	865.8
175°	862.6
176°	856.9
177°	850.5
178°	844.9
179°	843.3
180°	845.7

(END OF REPORT)