

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: P221350

Luminaire Tested: **9002-W2-FL-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED4080-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2069.4 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

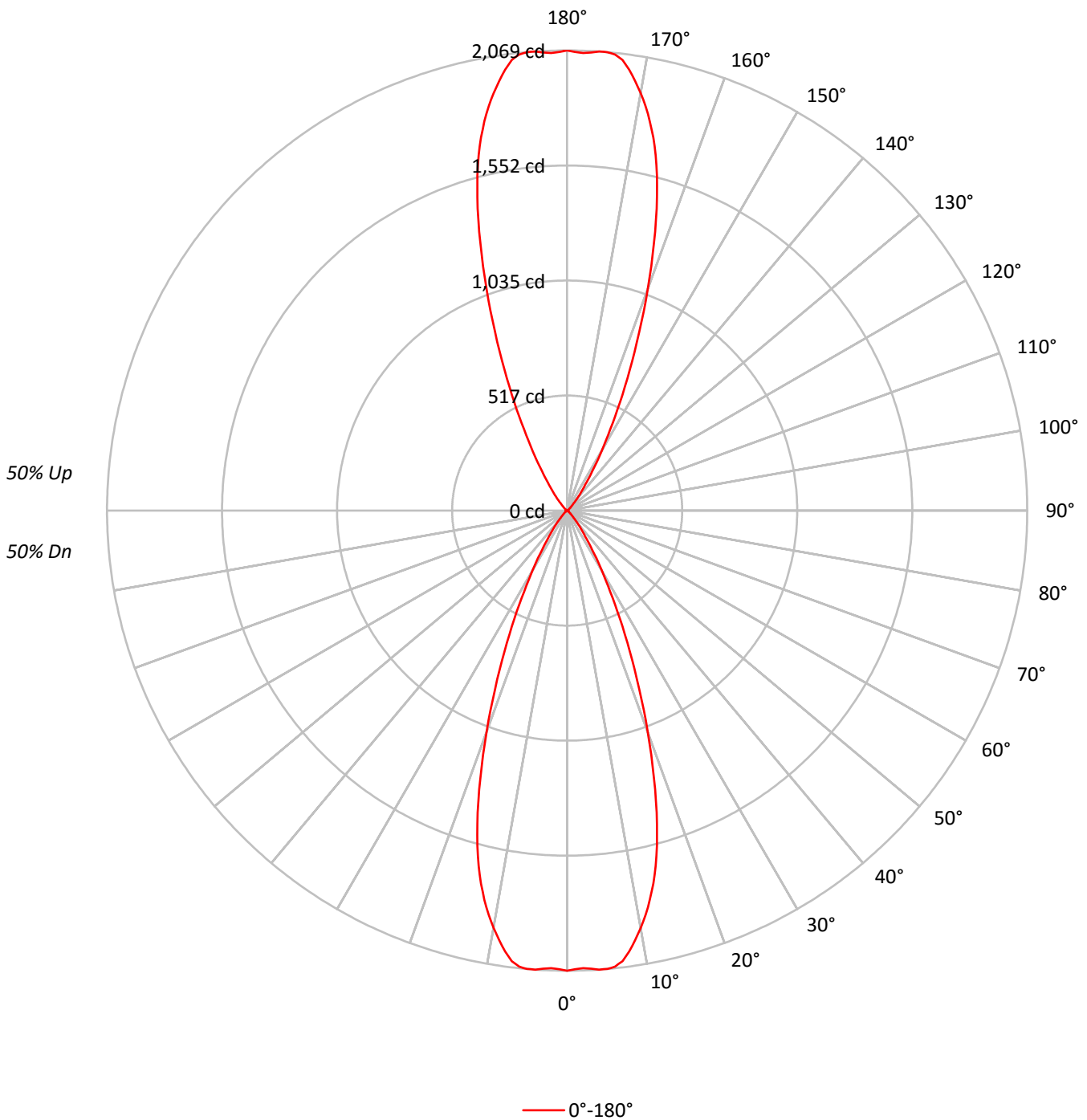
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51		51	48	46		45	43	41	39
6	74	64	58	54	69	61	56	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	45	49	44	42		44	41	39		39	37	35	33
9	63	53	47	43	59	51	45	42	46	42	39		42	39	37		38	35	34	32
10	60	50	44	41	56	48	43	39	44	40	37		40	37	35		36	34	32	31

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

	0°
0°	1020802
5°	1024702
10°	954387
15°	796312
20°	555496
25°	334252
30°	176609
35°	84925
40°	40576
45°	18839
50°	10746
55°	6881
60°	5921
65°	5837
70°	5770
75°	5719
80°	5683
85°	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.5	9.3
10°-20°	420.7	20.3
20°-30°	284.5	13.8
30°-40°	96.4	4.7
40°-50°	23.6	1.1
50°-60°	7.8	0.4
60°-70°	5.2	0.3
70°-80°	3.2	0.2
80°-90°	0.8	0.0
90°-100°	0.8	0.0
100°-110°	3.2	0.2
110°-120°	5.2	0.3
120°-130°	7.8	0.4
130°-140°	23.6	1.1
140°-150°	96.4	4.7
150°-160°	284.5	13.8
160°-170°	420.7	20.3
170°-180°	192.5	9.3
0°-30°	897.7	43.4
0°-40°	994.1	48.0
0°-60°	1025.5	49.6
0°-90°	1034.7	50.0
90°-120°	9.2	0.4
90°-150°	137.0	6.6
90°-180°	1035.0	50.0
0°-180°	2069.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2069	
5°	2069	193
15°	1559	421
25°	614	285
35°	141	96
45°	27	24
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	0
95°	1	1
105°	3	3
115°	5	5
125°	8	8
135°	27	24
145°	141	96
155°	614	285
165°	1559	421
175°	2069	193
180°	2069	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2069
1°	2062
2°	2059
3°	2063
4°	2069
5°	2069
6°	2062
7°	2041
8°	2002
9°	1956
10°	1905
11°	1851
12°	1789
13°	1722
14°	1646
15°	1559
16°	1466
17°	1366
18°	1262
19°	1162
20°	1058
21°	961
22°	866
23°	776
24°	692
25°	614
26°	541
27°	474
28°	413
29°	359
30°	310
32.5°	210
35°	141
37.5°	95
40°	63
42.5°	40
45°	27
47.5°	19
50°	14
52.5°	10
55°	8
57.5°	7
60°	6
62.5°	6
65°	5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5
70°	4
72.5°	4
75°	3
77.5°	2
80°	2
82.5°	1
85°	1
87.5°	0
90°	0
92.5°	0
95°	1
97.5°	1
100°	2
102.5°	2
105°	3
107.5°	4
110°	4
112.5°	5
115°	5
117.5°	6
120°	6
122.5°	7
125°	8
127.5°	10
130°	14
132.5°	19
135°	27
137.5°	40
140°	63
142.5°	95
145°	141
147.5°	210
150°	310
151°	359
152°	413
153°	474
154°	541
155°	614
156°	692
157°	776
158°	866
159°	961
160°	1058
161°	1162



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1262
163°	1366
164°	1466
165°	1559
166°	1646
167°	1722
168°	1789
169°	1851
170°	1905
171°	1956
172°	2002
173°	2041
174°	2062
175°	2069
176°	2069
177°	2063
178°	2059
179°	2062
180°	2069

(END OF REPORT)