

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: P222113

Luminaire Tested: **9004-W2-FL-LED4080-M-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED4080-M-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5652.4 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

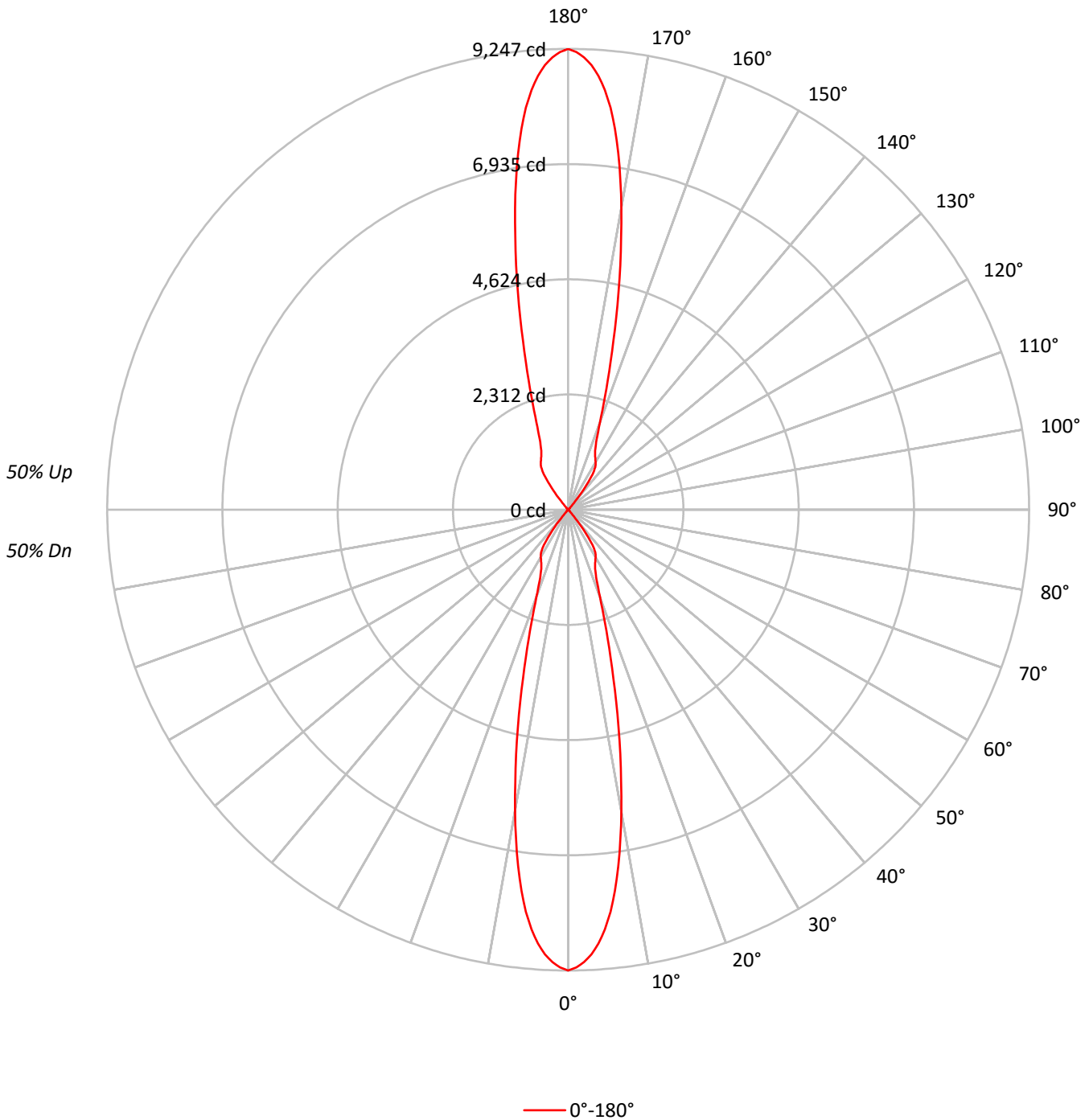
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

**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	94	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	84	81	87	83	79	76	72	69	67		61	59	58		52	51	50	45
3	89	82	76	72	82	76	72	68	67	63	61		58	56	54		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		55	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	43	42	39
6	74	65	59	55	70	62	56	52	55	51	48		49	46	44		43	41	40	38
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	57	51	47	63	55	49	46	49	45	42		45	42	39		40	38	36	34
9	64	54	48	44	60	52	46	43	47	43	40		43	40	38		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

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

	0°
0°	1140577
5°	1046623
10°	769025
15°	447705
20°	244147
25°	173523
30°	156385
35°	123172
40°	27373
45°	7501
50°	2495
55°	1505
60°	987
65°	584
70°	361
75°	477
80°	0
85°	0



TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.3	13.0
10°-20°	977.2	17.3
20°-30°	611.2	10.8
30°-40°	453.3	8.0
40°-50°	42.2	0.7
50°-60°	6.8	0.1
60°-70°	2.3	0.0
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	2.3	0.0
120°-130°	6.8	0.1
130°-140°	42.2	0.7
140°-150°	453.3	8.0
150°-160°	611.2	10.8
160°-170°	977.2	17.3
170°-180°	732.3	13.0
0°-30°	2320.7	41.1
0°-40°	2774.0	49.1
0°-60°	2822.9	49.9
0°-90°	2826.2	50.0
90°-120°	3.3	0.1
90°-150°	505.6	8.9
90°-180°	2826.0	50.0
0°-180°	5652.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9247	
5°	8453	732
15°	3506	977
25°	1275	611
35°	818	453
45°	43	42
55°	7	7
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	7	7
135°	43	42
145°	818	453
155°	1275	611
165°	3506	977
175°	8453	732
180°	9247	



TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9247
1°	9186
2°	9082
3°	8932
4°	8726
5°	8453
6°	8114
7°	7705
8°	7228
9°	6696
10°	6140
11°	5571
12°	5020
13°	4483
14°	3973
15°	3506
16°	3081
17°	2710
18°	2377
19°	2095
20°	1860
21°	1674
22°	1525
23°	1415
24°	1334
25°	1275
26°	1231
27°	1193
28°	1158
29°	1128
30°	1098
32.5°	1015
35°	818
37.5°	495
40°	170
42.5°	59
45°	43
47.5°	31
50°	13
52.5°	10
55°	7
57.5°	5
60°	4
62.5°	3
65°	2



TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	1
105°	1
107.5°	1
110°	1
112.5°	2
115°	2
117.5°	3
120°	4
122.5°	5
125°	7
127.5°	10
130°	13
132.5°	31
135°	43
137.5°	59
140°	170
142.5°	495
145°	818
147.5°	1015
150°	1098
151°	1128
152°	1158
153°	1193
154°	1231
155°	1275
156°	1334
157°	1415
158°	1525
159°	1674
160°	1860
161°	2095



TEST NUMBER: P222113

CATALOG NUMBER: 9004-W2-FL-LED4080-M-BK-L3-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	2377
163°	2710
164°	3081
165°	3506
166°	3973
167°	4483
168°	5020
169°	5571
170°	6140
171°	6696
172°	7228
173°	7705
174°	8114
175°	8453
176°	8726
177°	8932
178°	9082
179°	9186
180°	9247

(END OF REPORT)