

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: P221876

Luminaire Tested: **9004-W2-[RW, RI]-LED4080-M-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED4080-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5295.7 lumens  
Efficiency: N/A  
Efficacy: 92.9 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

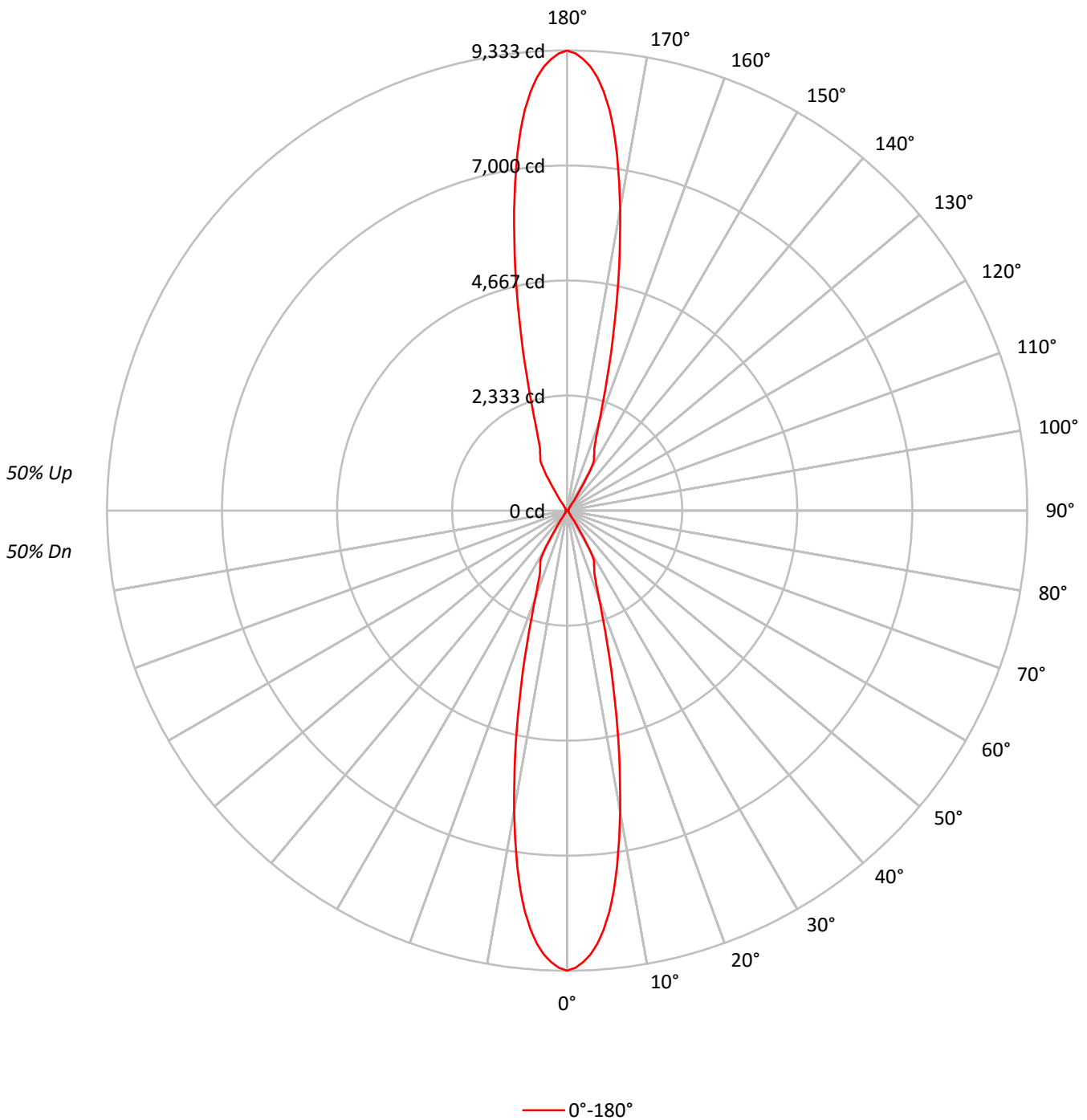
Input Watts (W): 57  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	52	47
2	94	89	84	80	87	83	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	72	82	76	72	68	67	63	61	57	55	53	49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56	54	52	50	47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52	52	49	47	45	44	42	39
6	75	65	59	55	70	62	57	53	55	51	48	49	46	44	44	42	40	38
7	71	61	55	51	66	58	53	49	53	49	46	47	44	42	42	40	39	36
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35
9	64	55	49	45	60	52	47	44	48	44	41	43	40	38	39	37	36	34
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33

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

	0°
0°	1151185
5°	1055662
10°	774662
15°	453707
20°	247560
25°	176382
30°	130463
35°	18822
40°	10305
45°	7326
50°	7484
55°	7742
60°	8634
65°	9631
70°	11180
75°	13821
80°	16337
85°	15568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	737.9	13.9
10°-20°	988.0	18.7
20°-30°	609.9	11.5
30°-40°	170.0	3.2
40°-50°	34.4	0.6
50°-60°	32.7	0.6
60°-70°	33.0	0.6
70°-80°	29.6	0.6
80°-90°	12.4	0.2
90°-100°	12.4	0.2
100°-110°	29.6	0.6
110°-120°	33.0	0.6
120°-130°	32.7	0.6
130°-140°	34.4	0.6
140°-150°	170.0	3.2
150°-160°	609.9	11.5
160°-170°	988.0	18.7
170°-180°	737.9	13.9
0°-30°	2335.8	44.1
0°-40°	2505.8	47.3
0°-60°	2572.9	48.6
0°-90°	2647.8	50.0
90°-120°	74.9	1.4
90°-150°	312.0	5.9
90°-180°	2648.0	50.0
0°-180°	5295.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9333	
5°	8526	738
15°	3553	988
25°	1296	610
35°	125	170
45°	42	34
55°	36	33
65°	33	33
75°	29	30
85°	11	12
90°	0	1
95°	11	12
105°	29	30
115°	33	33
125°	36	33
135°	42	34
145°	125	170
155°	1296	610
165°	3553	988
175°	8526	738
180°	9333	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9333
1°	9275
2°	9168
3°	9016
4°	8807
5°	8526
6°	8178
7°	7764
8°	7270
9°	6739
10°	6185
11°	5621
12°	5064
13°	4521
14°	4017
15°	3553
16°	3126
17°	2743
18°	2407
19°	2120
20°	1886
21°	1693
22°	1548
23°	1438
24°	1356
25°	1296
26°	1247
27°	1204
28°	1163
29°	1071
30°	916
32.5°	444
35°	125
37.5°	86
40°	64
42.5°	45
45°	42
47.5°	40
50°	39
52.5°	37
55°	36
57.5°	36
60°	35
62.5°	35
65°	33



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	32
70°	31
72.5°	30
75°	29
77.5°	26
80°	23
82.5°	18
85°	11
87.5°	5
90°	0
92.5°	5
95°	11
97.5°	18
100°	23
102.5°	26
105°	29
107.5°	30
110°	31
112.5°	32
115°	33
117.5°	35
120°	35
122.5°	36
125°	36
127.5°	37
130°	39
132.5°	40
135°	42
137.5°	45
140°	64
142.5°	86
145°	125
147.5°	444
150°	916
151°	1071
152°	1163
153°	1204
154°	1247
155°	1296
156°	1356
157°	1438
158°	1548
159°	1693
160°	1886
161°	2120



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2407
163°	2743
164°	3126
165°	3553
166°	4017
167°	4521
168°	5064
169°	5621
170°	6185
171°	6739
172°	7270
173°	7764
174°	8178
175°	8526
176°	8807
177°	9016
178°	9168
179°	9275
180°	9333

(END OF REPORT)