

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: P221440

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221440  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED3097-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2441.3 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

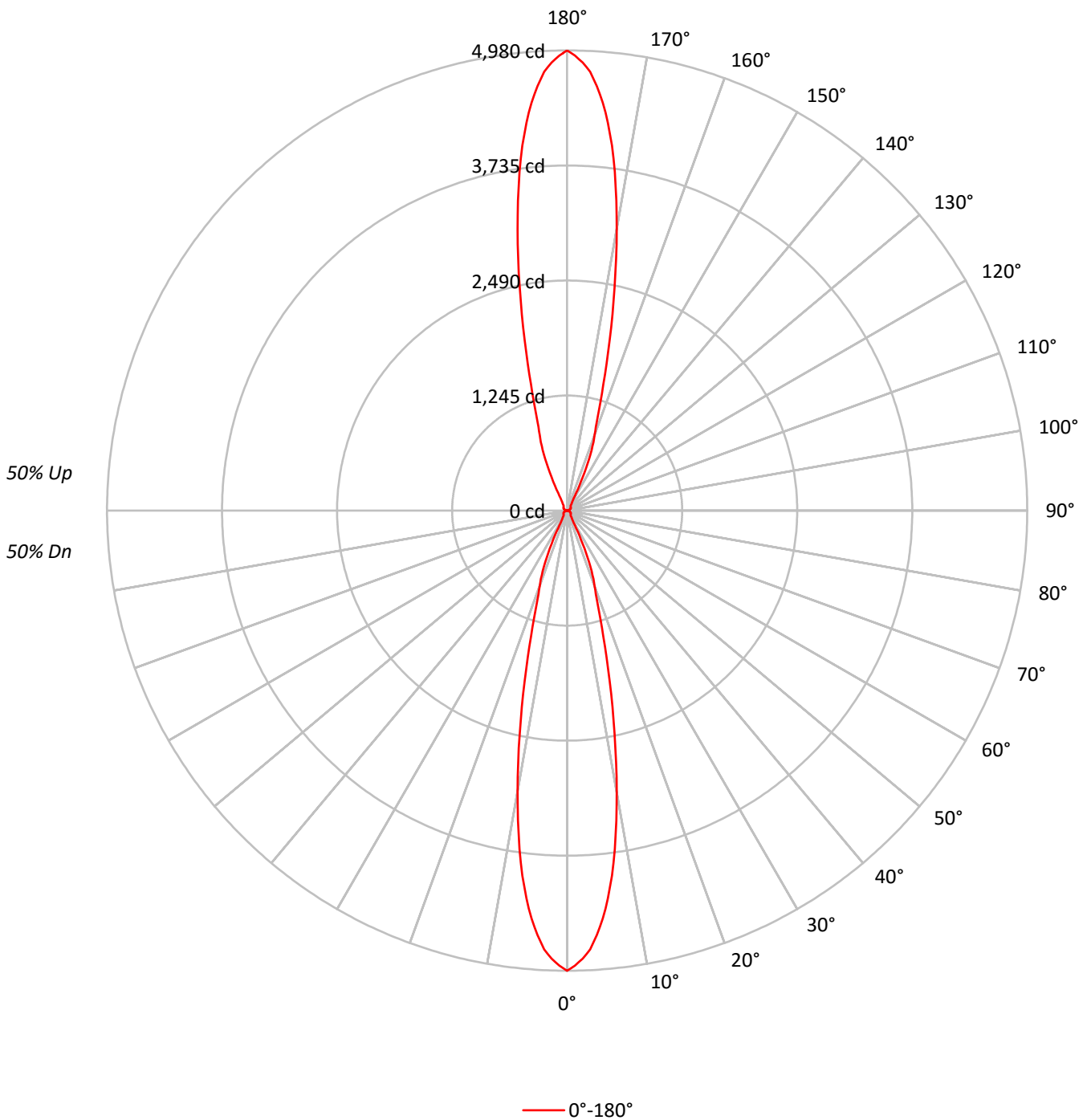
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	1092105
5°	975718
10°	687919
15°	373827
20°	202271
25°	96489
30°	27878
35°	18150
40°	16574
45°	17087
50°	18046
55°	19153
60°	18902
65°	17953
70°	14938
75°	13132
80°	15153
85°	14089



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.5	15.5
10°-20°	464.7	19.0
20°-30°	185.9	7.6
30°-40°	46.6	1.9
40°-50°	42.8	1.8
50°-60°	44.1	1.8
60°-70°	33.5	1.4
70°-80°	17.3	0.7
80°-90°	6.2	0.3
90°-100°	6.2	0.3
100°-110°	17.3	0.7
110°-120°	33.5	1.4
120°-130°	44.1	1.8
130°-140°	42.8	1.8
140°-150°	46.6	1.9
150°-160°	185.9	7.6
160°-170°	464.7	19.0
170°-180°	379.5	15.5
0°-30°	1030.2	42.2
0°-40°	1076.7	44.1
0°-60°	1163.6	47.7
0°-90°	1220.7	50.0
90°-120°	57.0	2.3
90°-150°	190.5	7.8
90°-180°	1221.0	50.0
0°-180°	2441.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4980	
5°	4433	380
15°	1647	465
25°	399	186
35°	68	47
45°	55	43
55°	50	44
65°	35	33
75°	16	17
85°	6	6
90°	0	1
95°	6	6
105°	16	17
115°	35	33
125°	50	44
135°	55	43
145°	68	47
155°	399	186
165°	1647	465
175°	4433	380
180°	4980	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4980.4
1°	4925.4
2°	4851.2
3°	4754.5
4°	4603.5
5°	4432.7
6°	4218.8
7°	3981.6
8°	3702.1
9°	3397.2
10°	3089.5
11°	2776.1
12°	2467.6
13°	2179.6
14°	1901.5
15°	1646.7
16°	1415.9
17°	1228.2
18°	1075.0
19°	955.7
20°	866.8
21°	792.0
22°	706.5
23°	608.4
24°	502.6
25°	398.8
26°	298.6
27°	213.2
28°	150.3
29°	121.4
30°	110.1
32.5°	88.2
35°	67.8
37.5°	60.7
40°	57.9
42.5°	56.5
45°	55.1
47.5°	54.3
50°	52.9
52.5°	52.2
55°	50.1
57.5°	46.6
60°	43.1
62.5°	39.5
65°	34.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	28.2
70°	23.3
72.5°	18.4
75°	15.5
77.5°	14.1
80°	12.0
82.5°	8.5
85°	5.6
87.5°	2.8
90°	0.0
92.5°	2.8
95°	5.6
97.5°	8.5
100°	12.0
102.5°	14.1
105°	15.5
107.5°	18.4
110°	23.3
112.5°	28.2
115°	34.6
117.5°	39.5
120°	43.1
122.5°	46.6
125°	50.1
127.5°	52.2
130°	52.9
132.5°	54.3
135°	55.1
137.5°	56.5
140°	57.9
142.5°	60.7
145°	67.8
147.5°	88.2
150°	110.1
151°	121.4
152°	150.3
153°	213.2
154°	298.6
155°	398.8
156°	502.6
157°	608.4
158°	706.5
159°	792.0
160°	866.8
161°	955.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1075.0
163°	1228.2
164°	1415.9
165°	1646.7
166°	1901.5
167°	2179.6
168°	2467.6
169°	2776.1
170°	3089.5
171°	3397.2
172°	3702.1
173°	3981.6
174°	4218.8
175°	4432.7
176°	4603.5
177°	4754.5
178°	4851.2
179°	4925.4
180°	4980.4

(END OF REPORT)