

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: P221447

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1302.7 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

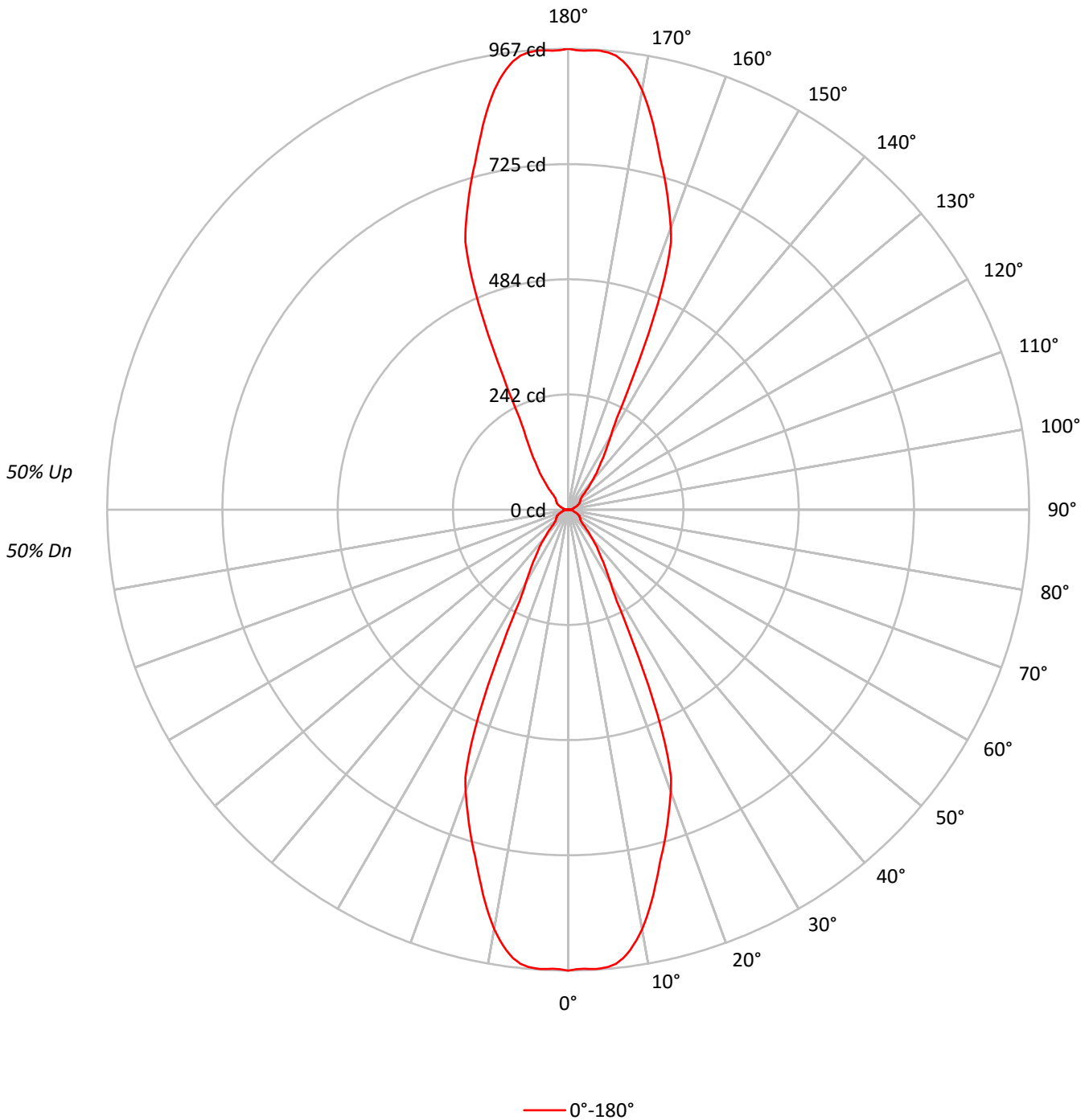
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72		64	63	61		53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64		59	57	55		49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57		55	52	50		46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	46		43	42	40	37
5	76	66	59	54	70	62	56	52	54	50	47		48	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43		45	41	39		39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40		42	39	36		37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	29	28	26

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

	0°
0°	212088
5°	211974
10°	198928
15°	171102
20°	146919
25°	90489
30°	45172
35°	31668
40°	22013
45°	14110
50°	11496
55°	11699
60°	11929
65°	11519
70°	10322
75°	9743
80°	10607
85°	10567



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	6.9
10°-20°	210.9	16.2
20°-30°	171.2	13.1
30°-40°	75.7	5.8
40°-50°	37.9	2.9
50°-60°	27.3	2.1
60°-70°	21.7	1.7
70°-80°	12.3	0.9
80°-90°	4.6	0.4
90°-100°	4.6	0.4
100°-110°	12.3	0.9
110°-120°	21.7	1.7
120°-130°	27.3	2.1
130°-140°	37.9	2.9
140°-150°	75.7	5.8
150°-160°	171.2	13.1
160°-170°	210.9	16.2
170°-180°	89.8	6.9
0°-30°	471.9	36.2
0°-40°	547.6	42.0
0°-60°	612.8	47.0
0°-90°	651.4	50.0
90°-120°	38.6	3.0
90°-150°	179.5	13.8
90°-180°	651.0	50.0
0°-180°	1302.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	967	
5°	963	90
15°	754	211
25°	374	171
35°	118	76
45°	46	38
55°	31	27
65°	22	22
75°	12	12
85°	4	4
90°	0	1
95°	4	4
105°	12	12
115°	22	22
125°	31	27
135°	46	38
145°	118	76
155°	374	171
165°	754	211
175°	963	90
180°	967	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	967.2
1°	964.6
2°	963.8
3°	965.3
4°	965.3
5°	963.0
6°	958.0
7°	948.1
8°	933.6
9°	914.8
10°	893.4
11°	868.5
12°	840.9
13°	811.1
14°	781.6
15°	753.7
16°	729.5
17°	704.3
18°	679.0
19°	653.8
20°	629.6
21°	601.7
22°	557.7
23°	501.0
24°	439.0
25°	374.0
26°	312.7
27°	258.4
28°	217.0
29°	193.3
30°	178.4
32.5°	146.2
35°	118.3
37.5°	97.6
40°	76.9
42.5°	60.9
45°	45.5
47.5°	36.7
50°	33.7
52.5°	32.2
55°	30.6
57.5°	28.7
60°	27.2
62.5°	24.9
65°	22.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	18.8
70°	16.1
72.5°	13.0
75°	11.5
77.5°	10.0
80°	8.4
82.5°	6.5
85°	4.2
87.5°	1.9
90°	0.0
92.5°	1.9
95°	4.2
97.5°	6.5
100°	8.4
102.5°	10.0
105°	11.5
107.5°	13.0
110°	16.1
112.5°	18.8
115°	22.2
117.5°	24.9
120°	27.2
122.5°	28.7
125°	30.6
127.5°	32.2
130°	33.7
132.5°	36.7
135°	45.5
137.5°	60.9
140°	76.9
142.5°	97.6
145°	118.3
147.5°	146.2
150°	178.4
151°	193.3
152°	217.0
153°	258.4
154°	312.7
155°	374.0
156°	439.0
157°	501.0
158°	557.7
159°	601.7
160°	629.6
161°	653.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	679.0
163°	704.3
164°	729.5
165°	753.7
166°	781.6
167°	811.1
168°	840.9
169°	868.5
170°	893.4
171°	914.8
172°	933.6
173°	948.1
174°	958.0
175°	963.0
176°	965.3
177°	965.3
178°	963.8
179°	964.6
180°	967.2

(END OF REPORT)