

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: P221441

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162.3 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

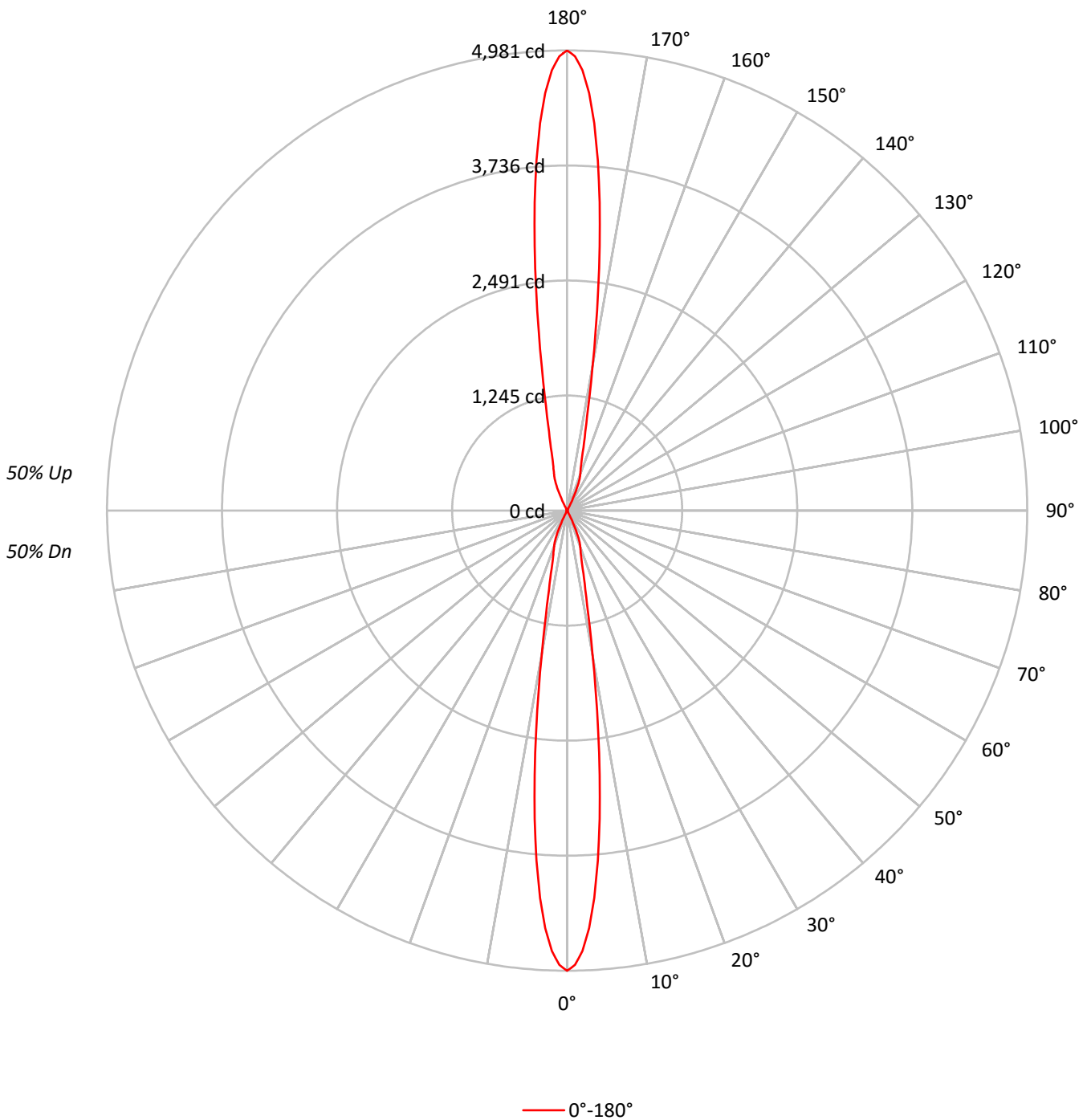
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1092281
5°	836802
10°	351051
15°	148151
20°	96375
25°	42220
30°	5722
35°	2142
40°	1546
45°	1178
50°	1058
55°	1032
60°	833
65°	571
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	24.6
10°-20°	199.6	17.2
20°-30°	82.3	7.1
30°-40°	6.5	0.6
40°-50°	3.1	0.3
50°-60°	2.3	0.2
60°-70°	1.1	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.1	0.1
120°-130°	2.3	0.2
130°-140°	3.1	0.3
140°-150°	6.5	0.6
150°-160°	82.3	7.1
160°-170°	199.6	17.2
170°-180°	286.2	24.6
0°-30°	568.0	48.9
0°-40°	574.5	49.4
0°-60°	579.8	49.9
0°-90°	581.1	50.0
90°-120°	1.4	0.1
90°-150°	13.2	1.1
90°-180°	581.0	50.0
0°-180°	1162.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4981	
5°	3802	286
15°	653	200
25°	174	82
35°	8	6
45°	4	3
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	3
145°	8	6
155°	174	82
165°	653	200
175°	3802	286
180°	4981	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4981.2
1°	4917.7
2°	4768.8
3°	4526.5
4°	4203.1
5°	3801.6
6°	3354.9
7°	2886.8
8°	2405.3
9°	1963.9
10°	1576.6
11°	1270.0
12°	1043.0
13°	875.8
14°	753.7
15°	652.6
16°	571.1
17°	517.9
18°	476.9
19°	440.9
20°	413.0
21°	387.4
22°	348.3
23°	295.1
24°	234.6
25°	174.5
26°	121.3
27°	72.7
28°	40.6
29°	27.2
30°	22.6
32.5°	14.5
35°	8.0
37.5°	6.1
40°	5.4
42.5°	4.6
45°	3.8
47.5°	3.4
50°	3.1
52.5°	2.7
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.5
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.8
115°	1.1
117.5°	1.5
120°	1.9
122.5°	2.3
125°	2.7
127.5°	2.7
130°	3.1
132.5°	3.4
135°	3.8
137.5°	4.6
140°	5.4
142.5°	6.1
145°	8.0
147.5°	14.5
150°	22.6
151°	27.2
152°	40.6
153°	72.7
154°	121.3
155°	174.5
156°	234.6
157°	295.1
158°	348.3
159°	387.4
160°	413.0
161°	440.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	476.9
163°	517.9
164°	571.1
165°	652.6
166°	753.7
167°	875.8
168°	1043.0
169°	1270.0
170°	1576.6
171°	1963.9
172°	2405.3
173°	2886.8
174°	3354.9
175°	3801.6
176°	4203.1
177°	4526.5
178°	4768.8
179°	4917.7
180°	4981.2

(END OF REPORT)