

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: P221442

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221442
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-L2-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: 2143.2 lumens
Efficiency: N/A
Efficacy: 53.3 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

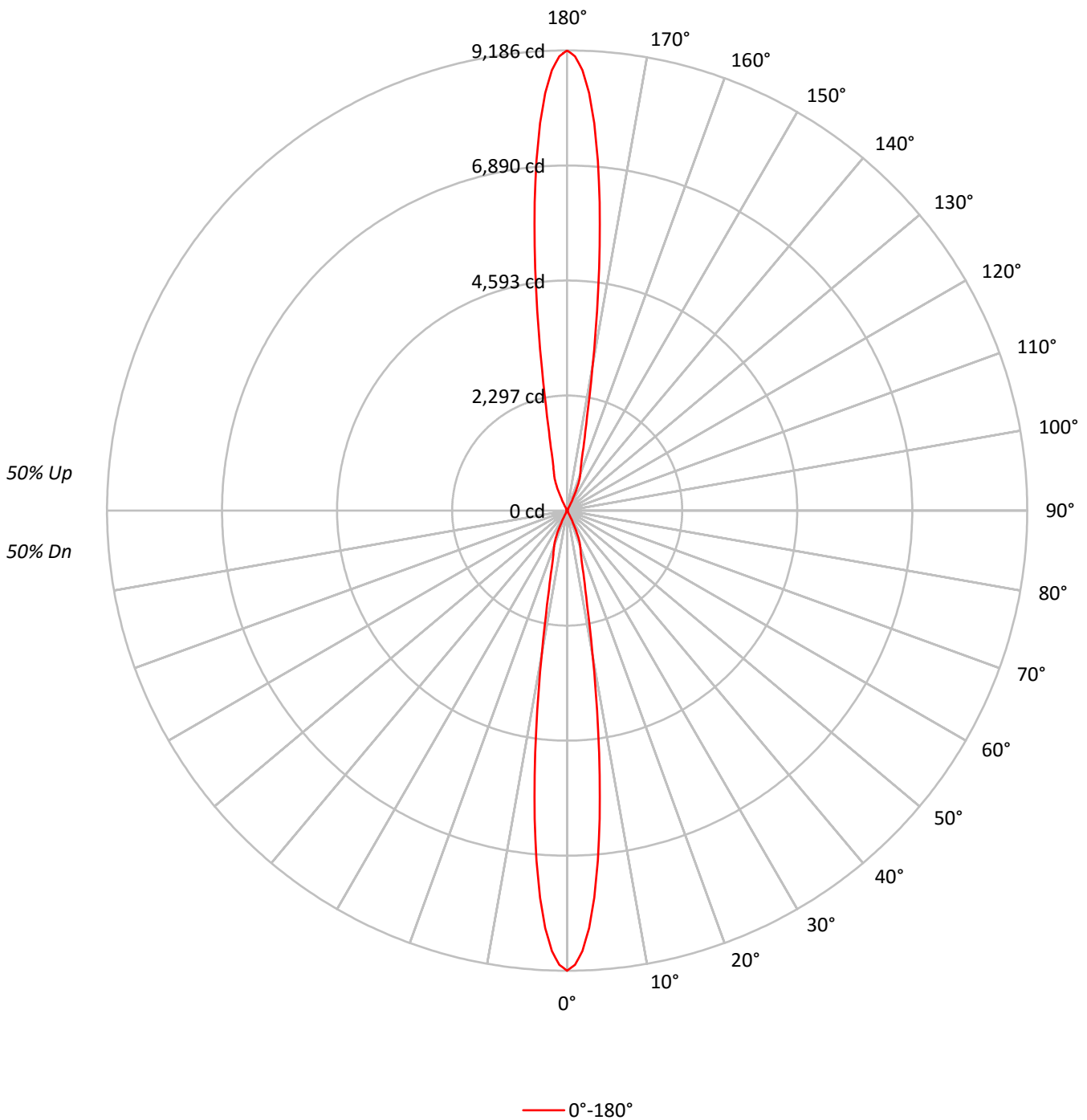
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2014268
5°	1543117
10°	647349
15°	273214
20°	177722
25°	77884
30°	10533
35°	3962
40°	2834
45°	2202
50°	1910
55°	1873
60°	1535
65°	1090
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.8	24.6
10°-20°	368.0	17.2
20°-30°	151.7	7.1
30°-40°	12.0	0.6
40°-50°	5.7	0.3
50°-60°	4.1	0.2
60°-70°	2.1	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.1	0.1
120°-130°	4.1	0.2
130°-140°	5.7	0.3
140°-150°	12.0	0.6
150°-160°	151.7	7.1
160°-170°	368.0	17.2
170°-180°	527.8	24.6
0°-30°	1047.5	48.9
0°-40°	1059.4	49.4
0°-60°	1069.3	49.9
0°-90°	1071.6	50.0
90°-120°	2.5	0.1
90°-150°	24.4	1.1
90°-180°	1072.0	50.0
0°-180°	2143.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9186	
5°	7010	528
15°	1204	368
25°	322	152
35°	15	12
45°	7	6
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	5	4
135°	7	6
145°	15	12
155°	322	152
165°	1204	368
175°	7010	528
180°	9186	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9185.8
1°	9068.6
2°	8794.0
3°	8347.2
4°	7750.8
5°	7010.4
6°	6186.7
7°	5323.4
8°	4435.5
9°	3621.7
10°	2907.3
11°	2342.0
12°	1923.4
13°	1615.0
14°	1389.8
15°	1203.5
16°	1053.1
17°	955.0
18°	879.5
19°	813.1
20°	761.6
21°	714.3
22°	642.3
23°	544.2
24°	432.7
25°	321.9
26°	223.8
27°	134.1
28°	74.8
29°	50.1
30°	41.6
32.5°	26.8
35°	14.8
37.5°	11.3
40°	9.9
42.5°	8.5
45°	7.1
47.5°	6.4
50°	5.6
52.5°	4.9
55°	4.9
57.5°	4.2
60°	3.5
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
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°	0.7
110°	0.7
112.5°	1.4
115°	2.1
117.5°	2.8
120°	3.5
122.5°	4.2
125°	4.9
127.5°	4.9
130°	5.6
132.5°	6.4
135°	7.1
137.5°	8.5
140°	9.9
142.5°	11.3
145°	14.8
147.5°	26.8
150°	41.6
151°	50.1
152°	74.8
153°	134.1
154°	223.8
155°	321.9
156°	432.7
157°	544.2
158°	642.3
159°	714.3
160°	761.6
161°	813.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	879.5
163°	955.0
164°	1053.1
165°	1203.5
166°	1389.8
167°	1615.0
168°	1923.4
169°	2342.0
170°	2907.3
171°	3621.7
172°	4435.5
173°	5323.4
174°	6186.7
175°	7010.4
176°	7750.8
177°	8347.2
178°	8794.0
179°	9068.6
180°	9185.8

(END OF REPORT)