

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: P221444

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2538.2 lumens
Efficiency: N/A
Efficacy: 63.1 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

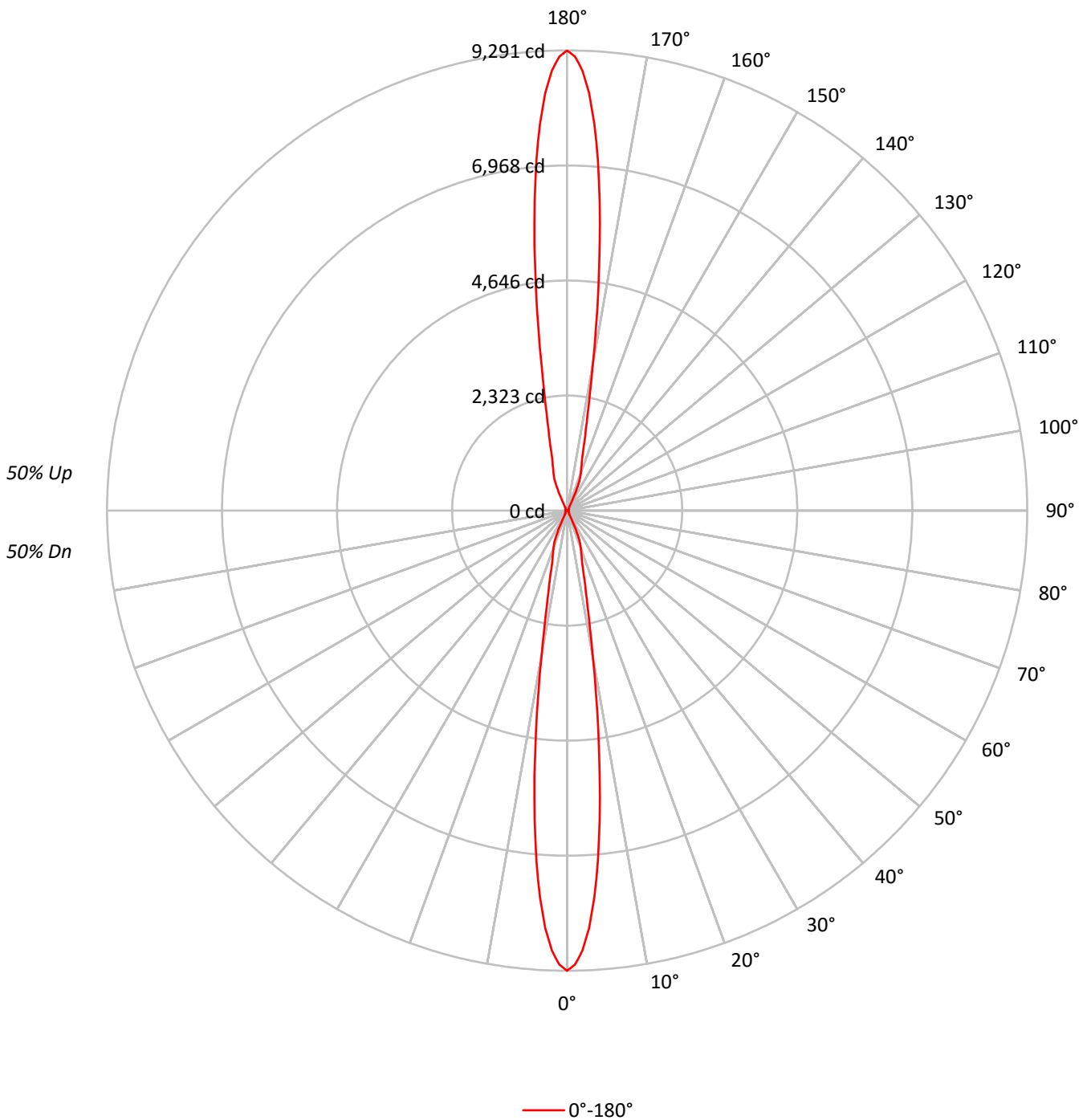
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2037337
5°	1565173
10°	663559
15°	284746
20°	189413
25°	90175
30°	22155
35°	16436
40°	15772
45°	15754
50°	16136
55°	18083
60°	18244
65°	16863
70°	14041
75°	12539
80°	14269
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.0	21.1
10°-20°	383.6	15.1
20°-30°	173.4	6.8
30°-40°	41.0	1.6
40°-50°	39.3	1.5
50°-60°	41.4	1.6
60°-70°	31.9	1.3
70°-80°	16.5	0.6
80°-90°	5.9	0.2
90°-100°	5.9	0.2
100°-110°	16.5	0.6
110°-120°	31.9	1.3
120°-130°	41.4	1.6
130°-140°	39.3	1.5
140°-150°	41.0	1.6
150°-160°	173.4	6.8
160°-170°	383.6	15.1
170°-180°	536.0	21.1
0°-30°	1093.0	43.1
0°-40°	1134.0	44.7
0°-60°	1214.8	47.9
0°-90°	1269.1	50.0
90°-120°	54.3	2.1
90°-150°	176.1	6.9
90°-180°	1269.0	50.0
0°-180°	2538.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9291	
5°	7111	536
15°	1254	384
25°	373	173
35°	61	41
45°	51	39
55°	47	41
65°	32	32
75°	15	16
85°	6	6
90°	0	1
95°	6	6
105°	15	16
115°	32	32
125°	47	41
135°	51	39
145°	61	41
155°	373	173
165°	1254	384
175°	7111	536
180°	9291	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9291.0
1°	9169.6
2°	8887.2
3°	8439.7
4°	7837.6
5°	7110.6
6°	6277.7
7°	5405.3
8°	4523.7
9°	3700.0
10°	2980.1
11°	2406.9
12°	1987.6
13°	1679.9
14°	1439.2
15°	1254.3
16°	1105.3
17°	1005.1
18°	930.3
19°	865.4
20°	811.7
22.5°	645.1
25°	372.7
26°	271.7
27°	184.9
28°	122.8
29°	96.7
30°	87.5
32.5°	73.4
35°	61.4
37.5°	57.2
40°	55.1
42.5°	52.9
45°	50.8
47.5°	48.7
50°	47.3
52.5°	47.3
55°	47.3
57.5°	45.9
60°	41.6
62.5°	38.1
65°	32.5
67.5°	26.8
70°	21.9
72.5°	17.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	14.8
77.5°	13.4
80°	11.3
82.5°	8.5
85°	5.6
87.5°	2.1
90°	0.0
92.5°	2.1
95°	5.6
97.5°	8.5
100°	11.3
102.5°	13.4
105°	14.8
107.5°	17.6
110°	21.9
112.5°	26.8
115°	32.5
117.5°	38.1
120°	41.6
122.5°	45.9
125°	47.3
127.5°	47.3
130°	47.3
132.5°	48.7
135°	50.8
137.5°	52.9
140°	55.1
142.5°	57.2
145°	61.4
147.5°	73.4
150°	87.5
151°	96.7
152°	122.8
153°	184.9
154°	271.7
155°	372.7
157.5°	645.1
160°	811.7
161°	865.4
162°	930.3
163°	1005.1
164°	1105.3
165°	1254.3
166°	1439.2
167°	1679.9



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CANDELA DISTRIBUTION (continued):

	0°
168°	1987.6
169°	2406.9
170°	2980.1
171°	3700.0
172°	4523.7
173°	5405.3
174°	6277.7
175°	7110.6
176°	7837.6
177°	8439.7
178°	8887.2
179°	9169.6
180°	9291.0

(END OF REPORT)