

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: P221501

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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]-LED4097-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1240.4 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

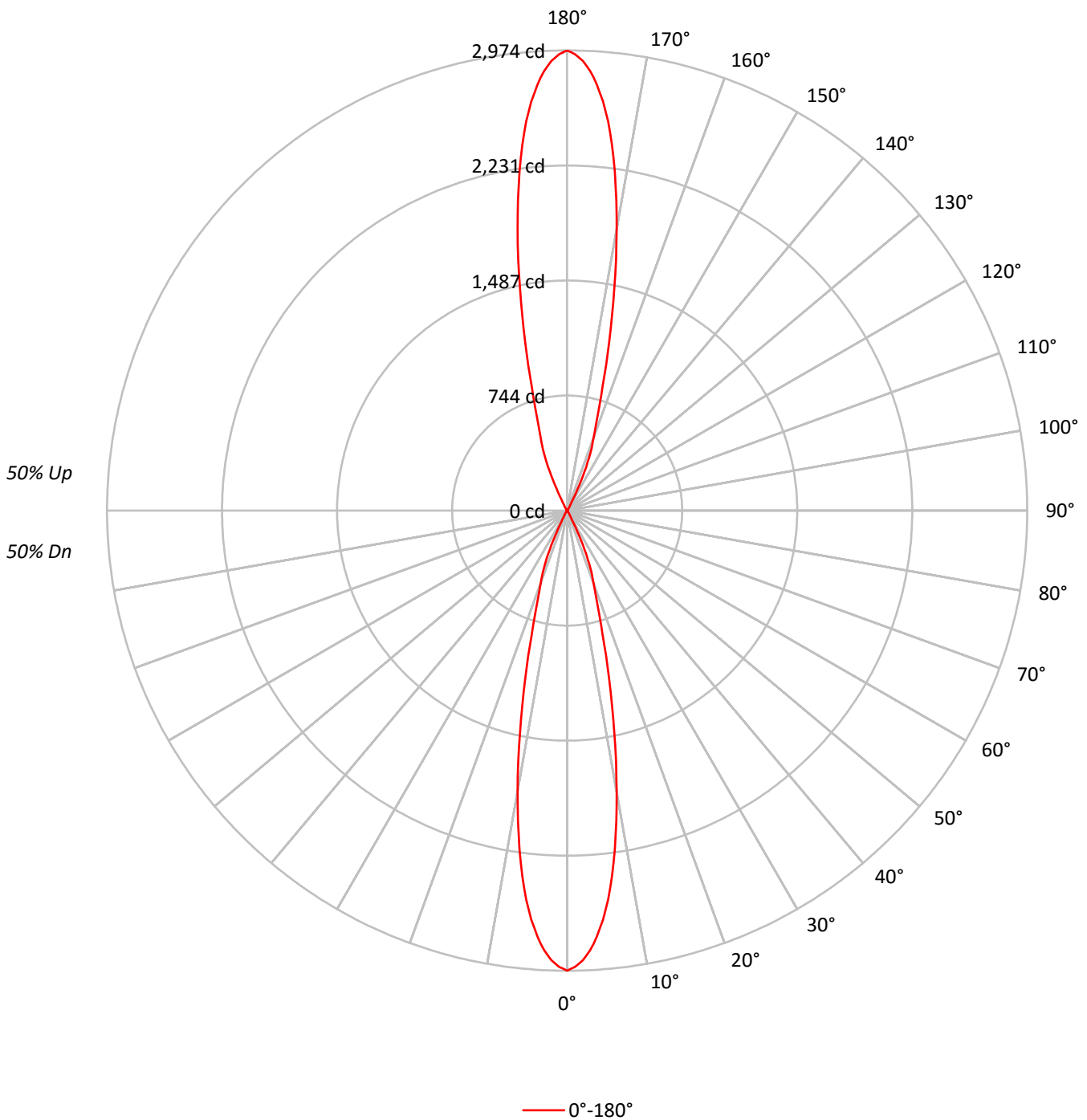
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43				
6	77	68	63	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41				
7	73	65	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40				
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39				
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38				
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	652075
5°	584326
10°	410525
15°	220296
20°	115883
25°	51801
30°	10027
35°	3694
40°	2090
45°	1737
50°	1467
55°	1147
60°	921
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	18.3
10°-20°	273.7	22.1
20°-30°	99.9	8.1
30°-40°	11.0	0.9
40°-50°	4.3	0.3
50°-60°	2.7	0.2
60°-70°	1.3	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°	1.3	0.1
120°-130°	2.7	0.2
130°-140°	4.3	0.3
140°-150°	11.0	0.9
150°-160°	99.9	8.1
160°-170°	273.7	22.1
170°-180°	227.1	18.3
0°-30°	600.7	48.4
0°-40°	611.7	49.3
0°-60°	618.8	49.9
0°-90°	620.2	50.0
90°-120°	1.5	0.1
90°-150°	19.6	1.6
90°-180°	620.0	50.0
0°-180°	1240.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2974	
5°	2655	227
15°	970	274
25°	214	100
35°	14	11
45°	6	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	6	4
145°	14	11
155°	214	100
165°	970	274
175°	2655	227
180°	2974	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2973.7
1°	2949.6
2°	2907.5
3°	2845.6
4°	2760.0
5°	2654.6
6°	2528.7
7°	2380.8
8°	2213.1
9°	2031.2
10°	1843.7
11°	1655.0
12°	1467.9
13°	1291.2
14°	1122.7
15°	970.4
16°	830.7
17°	716.8
18°	624.3
19°	551.2
20°	496.6
21°	451.9
22°	400.7
23°	340.1
24°	276.9
25°	214.1
26°	154.4
27°	101.0
28°	63.6
29°	46.4
30°	39.6
32.5°	26.7
35°	13.8
37.5°	9.0
40°	7.3
42.5°	6.4
45°	5.6
47.5°	4.7
50°	4.3
52.5°	3.4
55°	3.0
57.5°	2.6
60°	2.1
62.5°	1.7
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
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°	0.9
115°	1.3
117.5°	1.7
120°	2.1
122.5°	2.6
125°	3.0
127.5°	3.4
130°	4.3
132.5°	4.7
135°	5.6
137.5°	6.4
140°	7.3
142.5°	9.0
145°	13.8
147.5°	26.7
150°	39.6
151°	46.4
152°	63.6
153°	101.0
154°	154.4
155°	214.1
156°	276.9
157°	340.1
158°	400.7
159°	451.9
160°	496.6
161°	551.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	624.3
163°	716.8
164°	830.7
165°	970.4
166°	1122.7
167°	1291.2
168°	1467.9
169°	1655.0
170°	1843.7
171°	2031.2
172°	2213.1
173°	2380.8
174°	2528.7
175°	2654.6
176°	2760.0
177°	2845.6
178°	2907.5
179°	2949.6
180°	2973.7

(END OF REPORT)