

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: P221678

Luminaire Tested: **9003-W2-FL-LED4097-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED4097-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2584.4 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

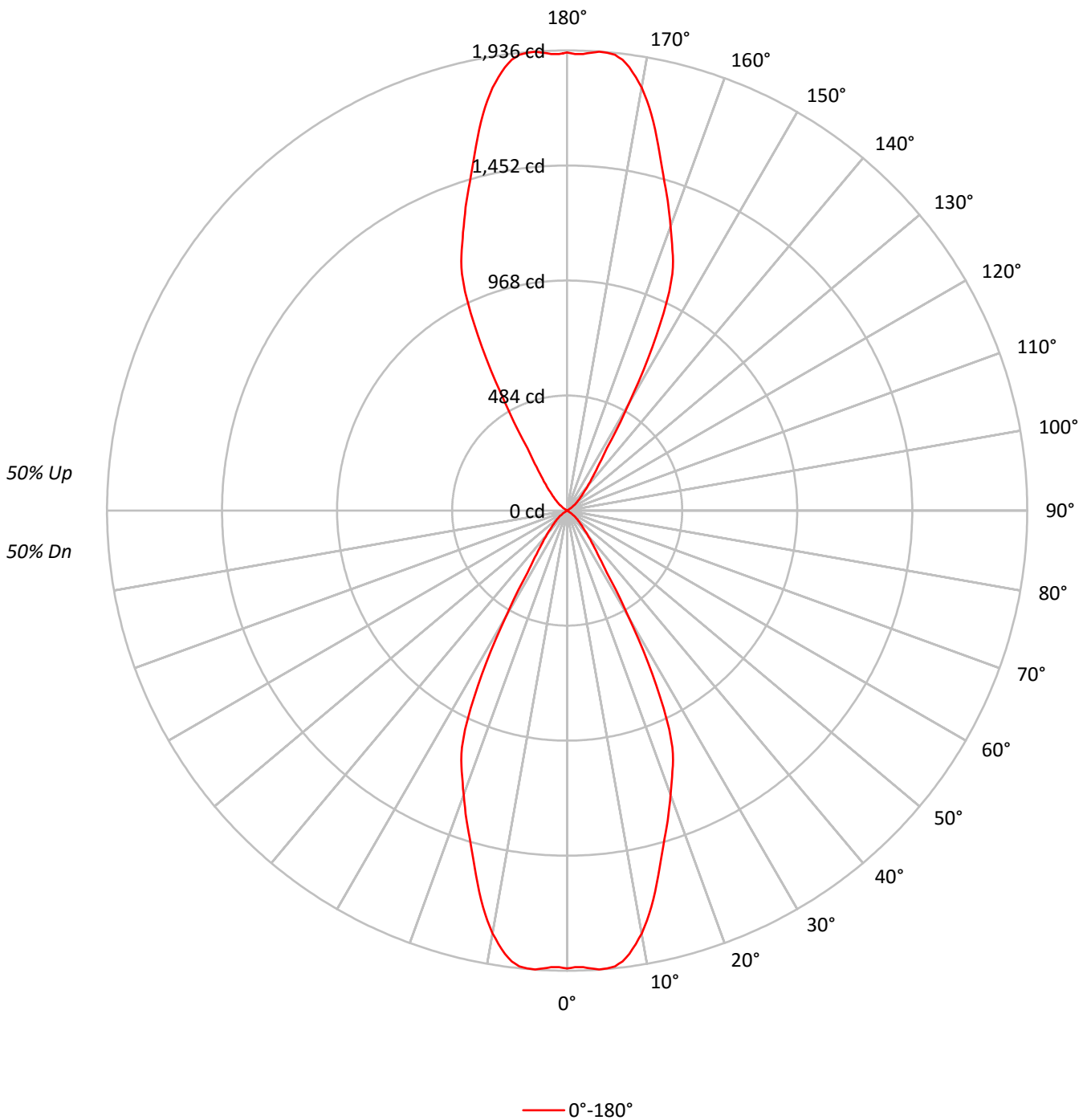
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422510
5°	425687
10°	402175
15°	345972
20°	296966
25°	245748
30°	131109
35°	59642
40°	38129
45°	25088
50°	17569
55°	8793
60°	2105
65°	2075
70°	2052
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	7.0
10°-20°	426.2	16.5
20°-30°	435.5	16.9
30°-40°	157.8	6.1
40°-50°	65.0	2.5
50°-60°	21.0	0.8
60°-70°	3.8	0.1
70°-80°	1.8	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.8	0.1
110°-120°	3.8	0.1
120°-130°	21.0	0.8
130°-140°	65.0	2.5
140°-150°	157.8	6.1
150°-160°	435.5	16.9
160°-170°	426.2	16.5
170°-180°	180.7	7.0
0°-30°	1042.4	40.3
0°-40°	1200.2	46.4
0°-60°	1286.1	49.8
0°-90°	1292.2	50.0
90°-120°	6.1	0.2
90°-150°	249.8	9.7
90°-180°	1292.0	50.0
0°-180°	2584.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1927	
5°	1934	181
15°	1524	426
25°	1016	436
35°	223	158
45°	81	65
55°	23	21
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	23	21
135°	81	65
145°	223	158
155°	1016	436
165°	1524	426
175°	1934	181
180°	1927	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1926.8
1°	1921.2
2°	1922.0
3°	1929.1
4°	1935.5
5°	1933.9
6°	1928.3
7°	1910.9
8°	1883.1
9°	1846.7
10°	1806.2
11°	1757.9
12°	1704.7
13°	1645.3
14°	1583.4
15°	1524.0
16°	1466.9
17°	1416.9
18°	1370.9
19°	1320.2
20°	1272.6
21°	1227.4
22°	1183.0
23°	1140.2
24°	1089.4
25°	1015.7
26°	925.3
27°	827.0
28°	723.1
29°	618.5
30°	517.8
32.5°	310.8
35°	222.8
37.5°	172.1
40°	133.2
42.5°	101.5
45°	80.9
47.5°	65.0
50°	51.5
52.5°	38.1
55°	23.0
57.5°	6.3
60°	4.8
62.5°	4.0
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	3.2
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	2.4
110°	3.2
112.5°	3.2
115°	4.0
117.5°	4.0
120°	4.8
122.5°	6.3
125°	23.0
127.5°	38.1
130°	51.5
132.5°	65.0
135°	80.9
137.5°	101.5
140°	133.2
142.5°	172.1
145°	222.8
147.5°	310.8
150°	517.8
151°	618.5
152°	723.1
153°	827.0
154°	925.3
155°	1015.7
156°	1089.4
157°	1140.2
158°	1183.0
159°	1227.4
160°	1272.6
161°	1320.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	1370.9
163°	1416.9
164°	1466.9
165°	1524.0
166°	1583.4
167°	1645.3
168°	1704.7
169°	1757.9
170°	1806.2
171°	1846.7
172°	1883.1
173°	1910.9
174°	1928.3
175°	1933.9
176°	1935.5
177°	1929.1
178°	1922.0
179°	1921.2
180°	1926.8

(END OF REPORT)