

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: P221666

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

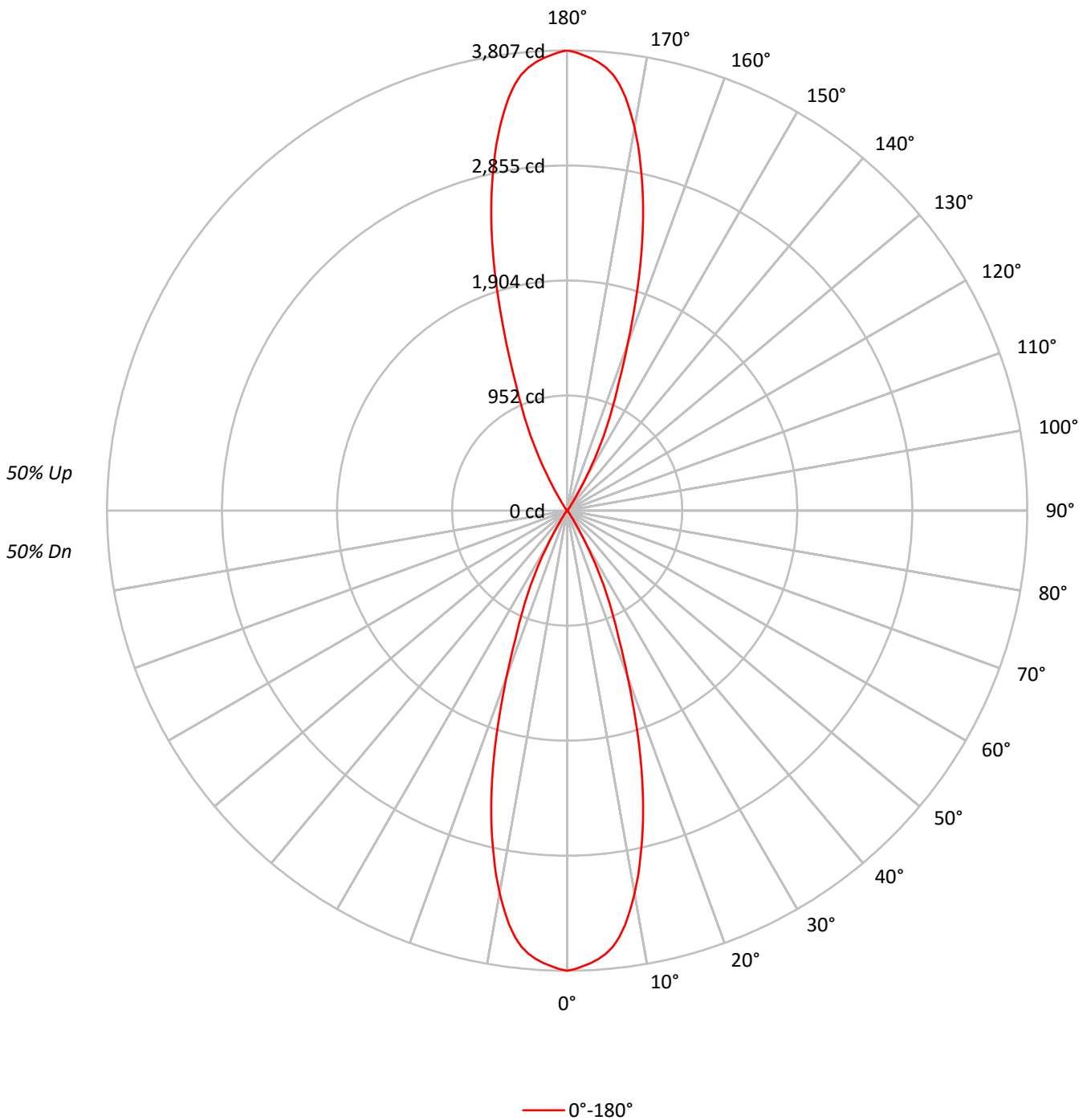
Lumens per Lamp: N/A
Luminaire Lumens: 2834.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

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	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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	834736
5°	810013
10°	716086
15°	549901
20°	342306
25°	193003
30°	73277
35°	15714
40°	6126
45°	1954
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	11.9
10°-20°	650.0	22.9
20°-30°	362.5	12.8
30°-40°	54.8	1.9
40°-50°	6.1	0.2
50°-60°	3.1	0.1
60°-70°	2.1	0.1
70°-80°	1.4	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.0
110°-120°	2.1	0.1
120°-130°	3.1	0.1
130°-140°	6.1	0.2
140°-150°	54.8	1.9
150°-160°	362.5	12.8
160°-170°	650.0	22.9
170°-180°	336.8	11.9
0°-30°	1349.3	47.6
0°-40°	1404.1	49.5
0°-60°	1413.3	49.9
0°-90°	1417.1	50.0
90°-120°	4.0	0.1
90°-150°	68.0	2.4
90°-180°	1417.0	50.0
0°-180°	2834.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3807	
5°	3680	337
15°	2422	650
25°	798	362
35°	59	55
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	0
95°	0	0
105°	2	1
115°	2	2
125°	3	3
135°	6	6
145°	59	55
155°	798	362
165°	2422	650
175°	3680	337
180°	3807	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3806.7
1°	3793.3
2°	3771.1
3°	3748.1
4°	3718.7
5°	3679.9
6°	3627.5
7°	3552.2
8°	3455.5
9°	3341.3
10°	3216.0
11°	3075.7
12°	2923.4
13°	2765.7
14°	2596.8
15°	2422.3
16°	2233.6
17°	2038.6
18°	1840.3
19°	1650.8
20°	1466.9
21°	1296.4
22°	1145.7
23°	1018.9
24°	908.7
25°	797.7
26°	689.0
27°	583.6
28°	481.3
29°	383.0
30°	289.4
32.5°	115.8
35°	58.7
37.5°	36.5
40°	21.4
42.5°	7.9
45°	6.3
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	1.6
112.5°	1.6
115°	2.4
117.5°	2.4
120°	2.4
122.5°	3.2
125°	3.2
127.5°	4.0
130°	4.8
132.5°	4.8
135°	6.3
137.5°	7.9
140°	21.4
142.5°	36.5
145°	58.7
147.5°	115.8
150°	289.4
151°	383.0
152°	481.3
153°	583.6
154°	689.0
155°	797.7
156°	908.7
157°	1018.9
158°	1145.7
159°	1296.4
160°	1466.9
161°	1650.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1840.3
163°	2038.6
164°	2233.6
165°	2422.3
166°	2596.8
167°	2765.7
168°	2923.4
169°	3075.7
170°	3216.0
171°	3341.3
172°	3455.5
173°	3552.2
174°	3627.5
175°	3679.9
176°	3718.7
177°	3748.1
178°	3771.1
179°	3793.3
180°	3806.7

(END OF REPORT)