

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: P221574

Luminaire Tested: **9003-W2-FL-LED2797-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED2797-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2270.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

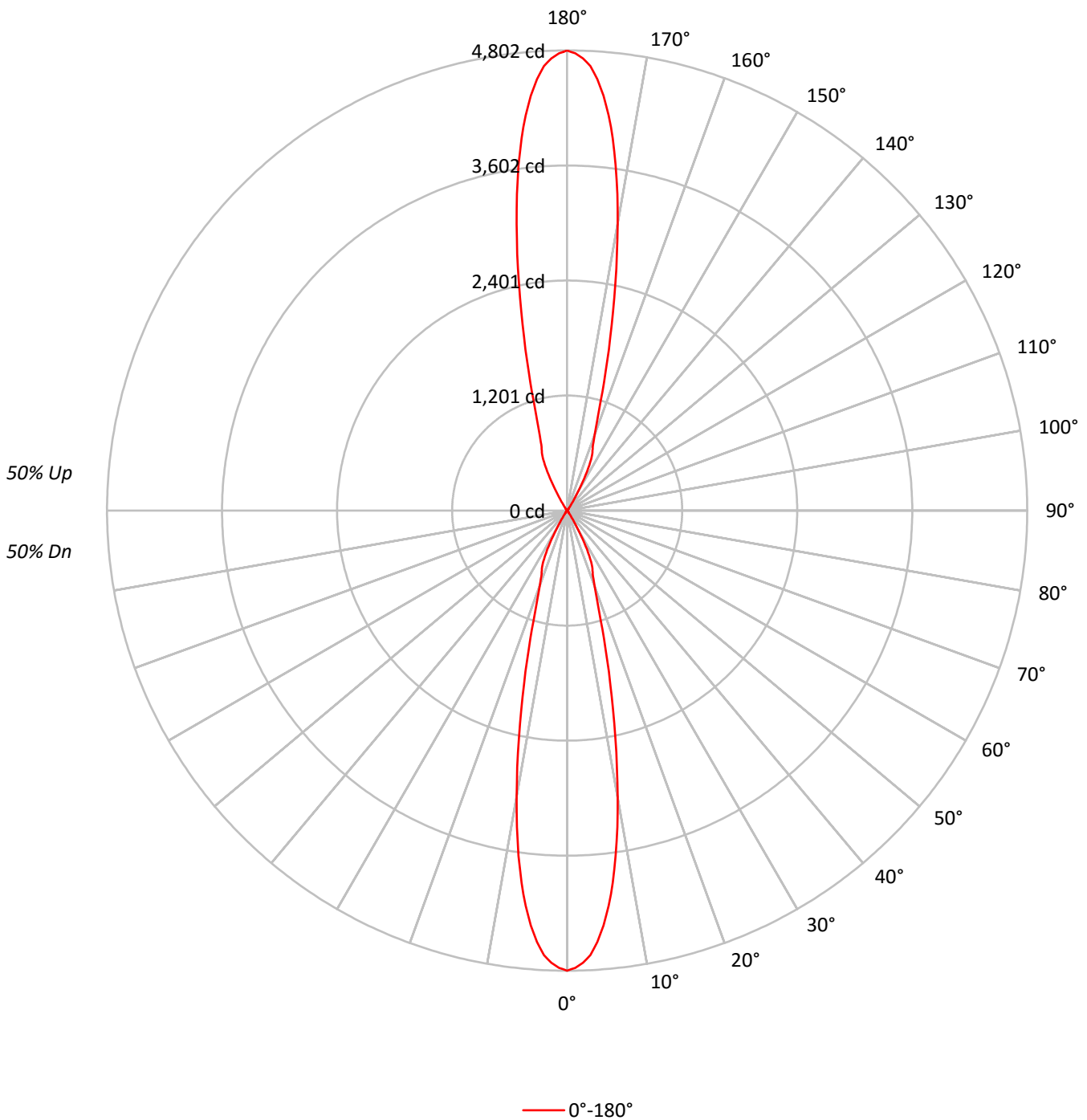
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	95	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1052920
5°	956744
10°	676184
15°	365428
20°	194337
25°	142968
30°	57730
35°	11056
40°	5811
45°	2605
50°	2149
55°	1873
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.4	16.4
10°-20°	454.3	20.0
20°-30°	250.1	11.0
30°-40°	41.5	1.8
40°-50°	7.6	0.3
50°-60°	4.4	0.2
60°-70°	2.8	0.1
70°-80°	1.5	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.5	0.1
110°-120°	2.8	0.1
120°-130°	4.4	0.2
130°-140°	7.6	0.3
140°-150°	41.5	1.8
150°-160°	250.1	11.0
160°-170°	454.3	20.0
170°-180°	372.4	16.4
0°-30°	1076.8	47.4
0°-40°	1118.3	49.3
0°-60°	1130.3	49.8
0°-90°	1135.0	50.0
90°-120°	4.7	0.2
90°-150°	58.2	2.6
90°-180°	1135.0	50.0
0°-180°	2270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4802	
5°	4346	372
15°	1610	454
25°	591	250
35°	41	42
45°	8	8
55°	5	4
65°	3	3
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	3	3
125°	5	4
135°	8	8
145°	41	42
155°	591	250
165°	1610	454
175°	4346	372
180°	4802	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4801.7
1°	4772.4
2°	4722.7
3°	4644.4
4°	4511.5
5°	4346.5
6°	4147.2
7°	3910.2
8°	3640.3
9°	3344.5
10°	3036.8
11°	2726.4
12°	2421.5
13°	2129.9
14°	1860.7
15°	1609.7
16°	1392.9
17°	1197.8
18°	1045.4
19°	923.7
20°	832.8
21°	763.6
22°	713.2
23°	677.6
24°	641.9
25°	590.9
26°	527.2
27°	455.9
28°	378.3
29°	302.1
30°	228.0
32.5°	82.5
35°	41.3
37.5°	29.4
40°	20.3
42.5°	10.5
45°	8.4
47.5°	7.7
50°	6.3
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	3.5
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	1.4
105°	1.4
107.5°	1.4
110°	2.1
112.5°	2.1
115°	2.8
117.5°	3.5
120°	3.5
122.5°	4.2
125°	4.9
127.5°	5.6
130°	6.3
132.5°	7.7
135°	8.4
137.5°	10.5
140°	20.3
142.5°	29.4
145°	41.3
147.5°	82.5
150°	228.0
151°	302.1
152°	378.3
153°	455.9
154°	527.2
155°	590.9
156°	641.9
157°	677.6
158°	713.2
159°	763.6
160°	832.8
161°	923.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1045.4
163°	1197.8
164°	1392.9
165°	1609.7
166°	1860.7
167°	2129.9
168°	2421.5
169°	2726.4
170°	3036.8
171°	3344.5
172°	3640.3
173°	3910.2
174°	4147.2
175°	4346.5
176°	4511.5
177°	4644.4
178°	4722.7
179°	4772.4
180°	4801.7

(END OF REPORT)