

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: P221410

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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]-LED2797-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.3 lumens
Efficiency: N/A
Efficacy: 52.8 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

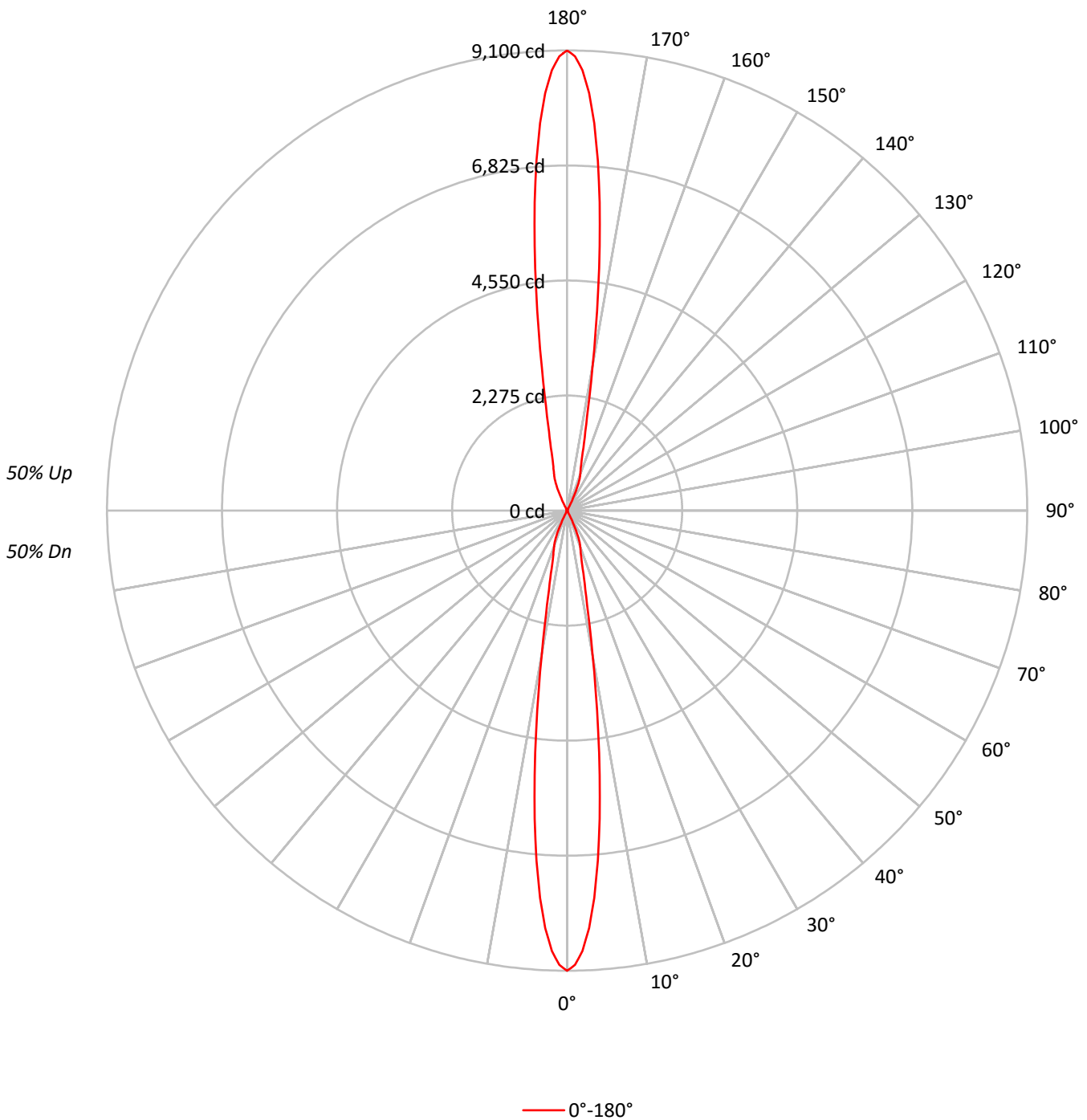
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1995454
5°	1528700
10°	641315
15°	270649
20°	176065
25°	77158
30°	10457
35°	3935
40°	2805
45°	2171
50°	1910
55°	1873
60°	1535
65°	1090
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.9	24.6
10°-20°	364.5	17.2
20°-30°	150.3	7.1
30°-40°	11.9	0.6
40°-50°	5.6	0.3
50°-60°	4.1	0.2
60°-70°	2.1	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.1	0.1
120°-130°	4.1	0.2
130°-140°	5.6	0.3
140°-150°	11.9	0.6
150°-160°	150.3	7.1
160°-170°	364.5	17.2
170°-180°	522.9	24.6
0°-30°	1037.7	48.9
0°-40°	1049.5	49.4
0°-60°	1059.3	49.9
0°-90°	1061.7	50.0
90°-120°	2.5	0.1
90°-150°	24.2	1.1
90°-180°	1062.0	50.0
0°-180°	2123.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9100	
5°	6945	523
15°	1192	365
25°	319	150
35°	15	12
45°	7	6
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	5	4
135°	7	6
145°	15	12
155°	319	150
165°	1192	365
175°	6945	523
180°	9100	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9100.0
1°	8983.9
2°	8711.9
3°	8269.3
4°	7678.4
5°	6944.9
6°	6128.9
7°	5273.7
8°	4394.1
9°	3587.8
10°	2880.2
11°	2320.1
12°	1905.4
13°	1599.9
14°	1376.8
15°	1192.2
16°	1043.3
17°	946.1
18°	871.3
19°	805.5
20°	754.5
21°	707.6
22°	636.3
23°	539.1
24°	428.6
25°	318.9
26°	221.7
27°	132.9
28°	74.1
29°	49.6
30°	41.3
32.5°	26.6
35°	14.7
37.5°	11.2
40°	9.8
42.5°	8.4
45°	7.0
47.5°	6.3
50°	5.6
52.5°	4.9
55°	4.9
57.5°	4.2
60°	3.5
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
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°	0.7
110°	0.7
112.5°	1.4
115°	2.1
117.5°	2.8
120°	3.5
122.5°	4.2
125°	4.9
127.5°	4.9
130°	5.6
132.5°	6.3
135°	7.0
137.5°	8.4
140°	9.8
142.5°	11.2
145°	14.7
147.5°	26.6
150°	41.3
151°	49.6
152°	74.1
153°	132.9
154°	221.7
155°	318.9
156°	428.6
157°	539.1
158°	636.3
159°	707.6
160°	754.5
161°	805.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	871.3
163°	946.1
164°	1043.3
165°	1192.2
166°	1376.8
167°	1599.9
168°	1905.4
169°	2320.1
170°	2880.2
171°	3587.8
172°	4394.1
173°	5273.7
174°	6128.9
175°	6944.9
176°	7678.4
177°	8269.3
178°	8711.9
179°	8983.9
180°	9100.0

(END OF REPORT)