

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: P221406

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221406
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]-LED2797-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 2017.3 lumens
Efficiency: N/A
Efficacy: 50.2 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

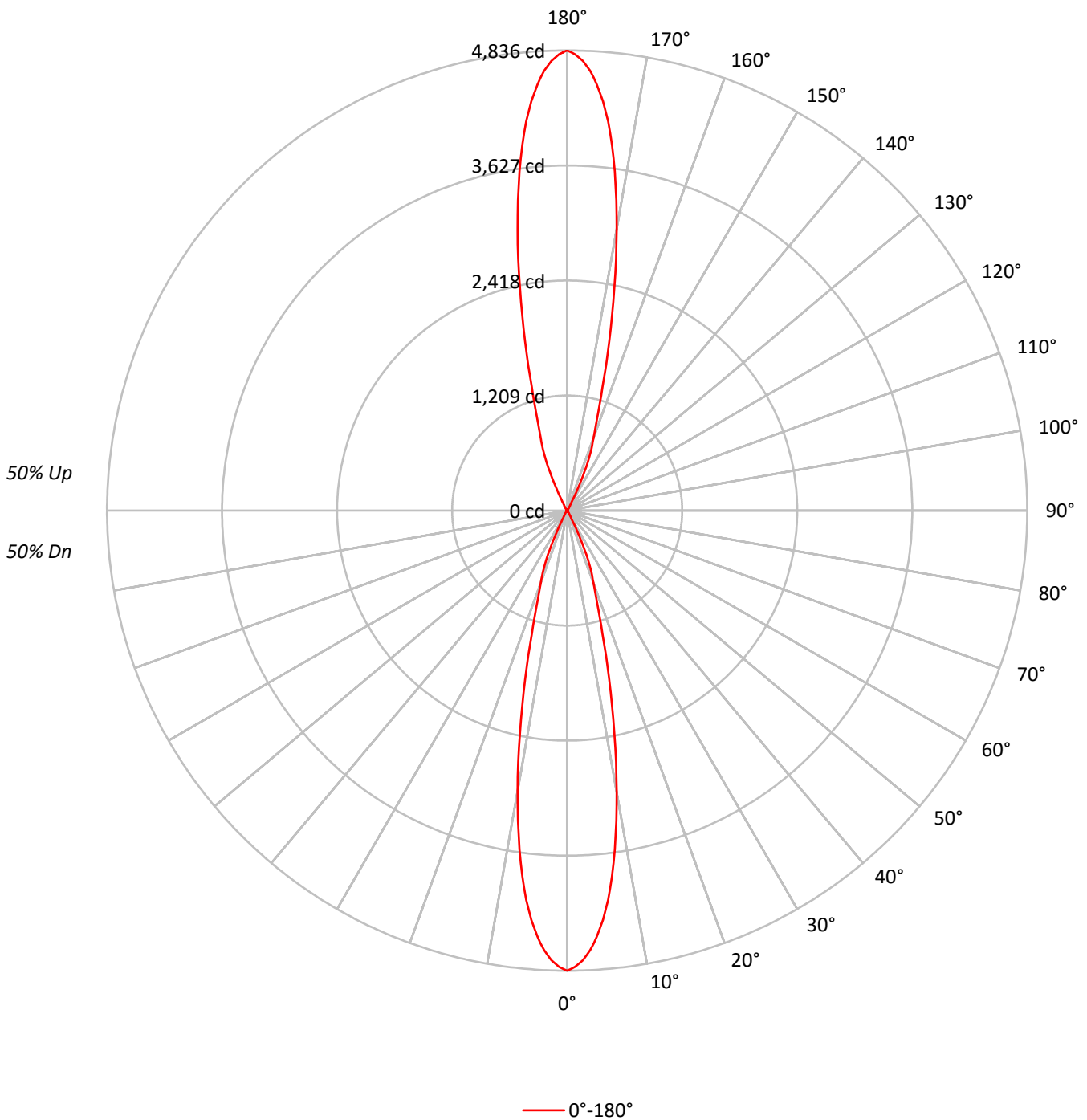
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	62	58	72	65	60	56	58	55	52		52	50	48		47	45	44	41
7	73	64	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°	1060441
5°	950295
10°	667634
15°	358277
20°	188456
25°	84247
30°	16281
35°	5996
40°	3406
45°	2822
50°	2388
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°	369.3	18.3
10°-20°	445.1	22.1
20°-30°	162.4	8.1
30°-40°	18.0	0.9
40°-50°	7.1	0.3
50°-60°	4.4	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°	4.4	0.2
130°-140°	7.1	0.3
140°-150°	18.0	0.9
150°-160°	162.4	8.1
160°-170°	445.1	22.1
170°-180°	369.3	18.3
0°-30°	976.8	48.4
0°-40°	994.8	49.3
0°-60°	1006.3	49.9
0°-90°	1008.7	50.0
90°-120°	2.5	0.1
90°-150°	32.0	1.6
90°-180°	1009.0	50.0
0°-180°	2017.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4836	
5°	4317	369
15°	1578	445
25°	348	162
35°	22	18
45°	9	7
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°	9	7
145°	22	18
155°	348	162
165°	1578	445
175°	4317	369
180°	4836	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4836.0
1°	4796.8
2°	4728.3
3°	4627.6
4°	4488.5
5°	4317.2
6°	4112.3
7°	3871.7
8°	3599.0
9°	3303.2
10°	2998.4
11°	2691.4
12°	2387.2
13°	2099.8
14°	1825.7
15°	1578.2
16°	1350.9
17°	1165.6
18°	1015.3
19°	896.4
20°	807.6
21°	734.9
22°	651.7
23°	553.1
24°	450.3
25°	348.2
26°	251.0
27°	164.3
28°	103.5
29°	75.5
30°	64.3
32.5°	43.4
35°	22.4
37.5°	14.7
40°	11.9
42.5°	10.5
45°	9.1
47.5°	7.7
50°	7.0
52.5°	5.6
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°	5.6
130°	7.0
132.5°	7.7
135°	9.1
137.5°	10.5
140°	11.9
142.5°	14.7
145°	22.4
147.5°	43.4
150°	64.3
151°	75.5
152°	103.5
153°	164.3
154°	251.0
155°	348.2
156°	450.3
157°	553.1
158°	651.7
159°	734.9
160°	807.6
161°	896.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1015.3
163°	1165.6
164°	1350.9
165°	1578.2
166°	1825.7
167°	2099.8
168°	2387.2
169°	2691.4
170°	2998.4
171°	3303.2
172°	3599.0
173°	3871.7
174°	4112.3
175°	4317.2
176°	4488.5
177°	4627.6
178°	4728.3
179°	4796.8
180°	4836.0

(END OF REPORT)