

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: P221414

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1913.6 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

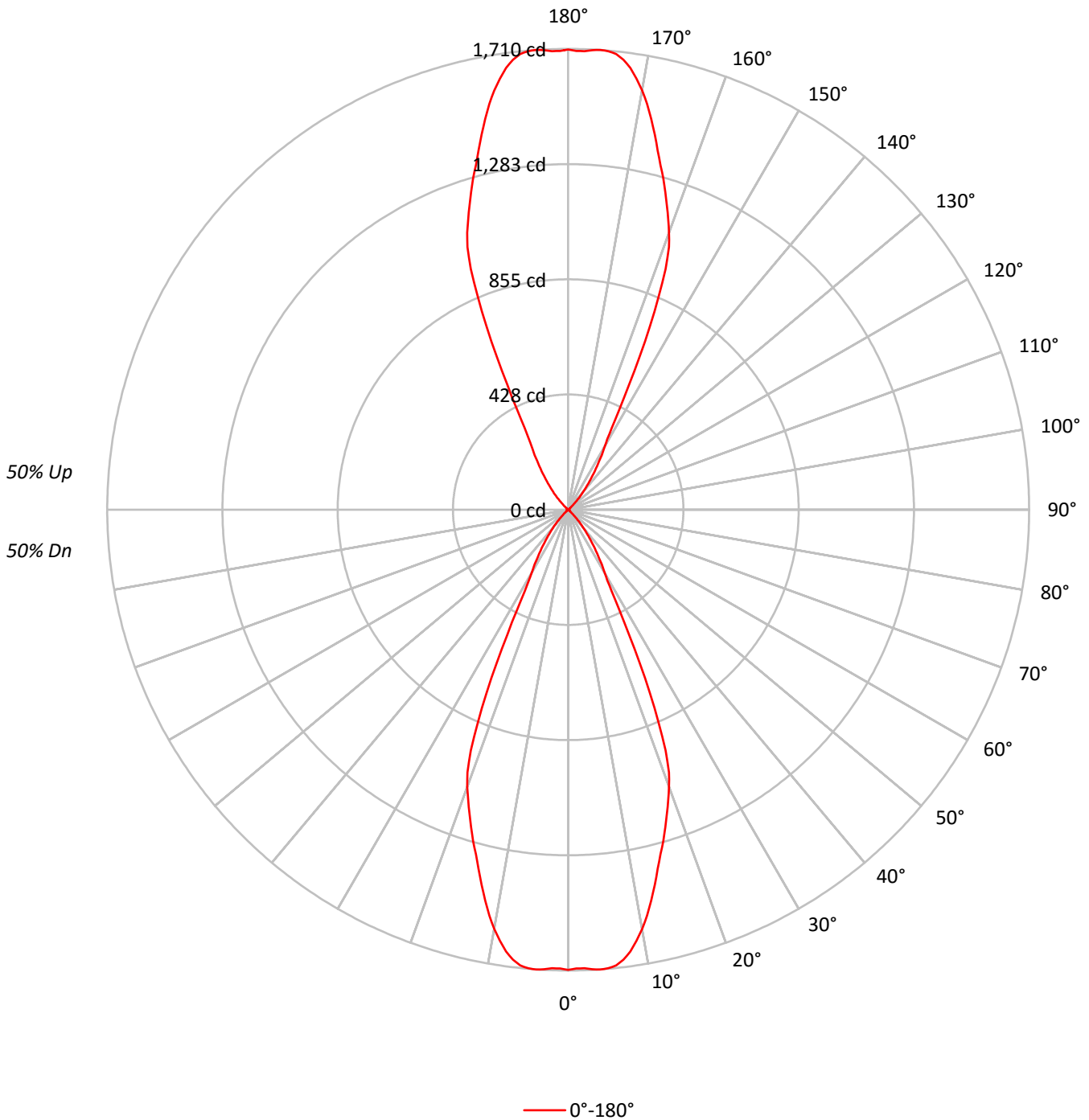
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	374444
5°	376028
10°	351719
15°	300501
20°	255359
25°	151751
30°	69049
35°	43794
40°	24818
45°	9117
50°	2866
55°	2141
60°	1842
65°	1090
70°	449
75°	593
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	8.3
10°-20°	369.9	19.3
20°-30°	287.2	15.0
30°-40°	104.7	5.5
40°-50°	27.7	1.4
50°-60°	5.1	0.3
60°-70°	2.3	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	2.3	0.1
120°-130°	5.1	0.3
130°-140°	27.7	1.4
140°-150°	104.7	5.5
150°-160°	287.2	15.0
160°-170°	369.9	19.3
170°-180°	159.1	8.3
0°-30°	816.3	42.7
0°-40°	921.0	48.1
0°-60°	953.8	49.8
0°-90°	956.8	50.0
90°-120°	3.0	0.2
90°-150°	140.5	7.3
90°-180°	957.0	50.0
0°-180°	1913.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1708	
5°	1708	159
15°	1324	370
25°	627	287
35°	164	105
45°	29	28
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	5
135°	29	28
145°	164	105
155°	627	287
165°	1324	370
175°	1708	159
180°	1708	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1707.6
1°	1702.7
2°	1702.7
3°	1707.6
4°	1710.4
5°	1708.3
6°	1699.9
7°	1682.4
8°	1655.1
9°	1619.5
10°	1579.6
11°	1533.5
12°	1482.4
13°	1428.6
14°	1373.3
15°	1323.7
16°	1278.9
17°	1231.4
18°	1185.9
19°	1139.8
20°	1094.3
21°	1044.0
22°	964.3
23°	859.4
24°	745.4
25°	627.2
26°	516.0
27°	416.8
28°	341.9
29°	299.3
30°	272.7
32.5°	214.7
35°	163.6
37.5°	123.1
40°	86.7
42.5°	57.3
45°	29.4
47.5°	13.3
50°	8.4
52.5°	6.3
55°	5.6
57.5°	4.9
60°	4.2
62.5°	2.8
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	2.1
115°	2.1
117.5°	2.8
120°	4.2
122.5°	4.9
125°	5.6
127.5°	6.3
130°	8.4
132.5°	13.3
135°	29.4
137.5°	57.3
140°	86.7
142.5°	123.1
145°	163.6
147.5°	214.7
150°	272.7
151°	299.3
152°	341.9
153°	416.8
154°	516.0
155°	627.2
156°	745.4
157°	859.4
158°	964.3
159°	1044.0
160°	1094.3
161°	1139.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1185.9
163°	1231.4
164°	1278.9
165°	1323.7
166°	1373.3
167°	1428.6
168°	1482.4
169°	1533.5
170°	1579.6
171°	1619.5
172°	1655.1
173°	1682.4
174°	1699.9
175°	1708.3
176°	1710.4
177°	1707.6
178°	1702.7
179°	1702.7
180°	1707.6

(END OF REPORT)