

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: P221402

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2278.1 lumens
Efficiency: N/A
Efficacy: 56.7 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

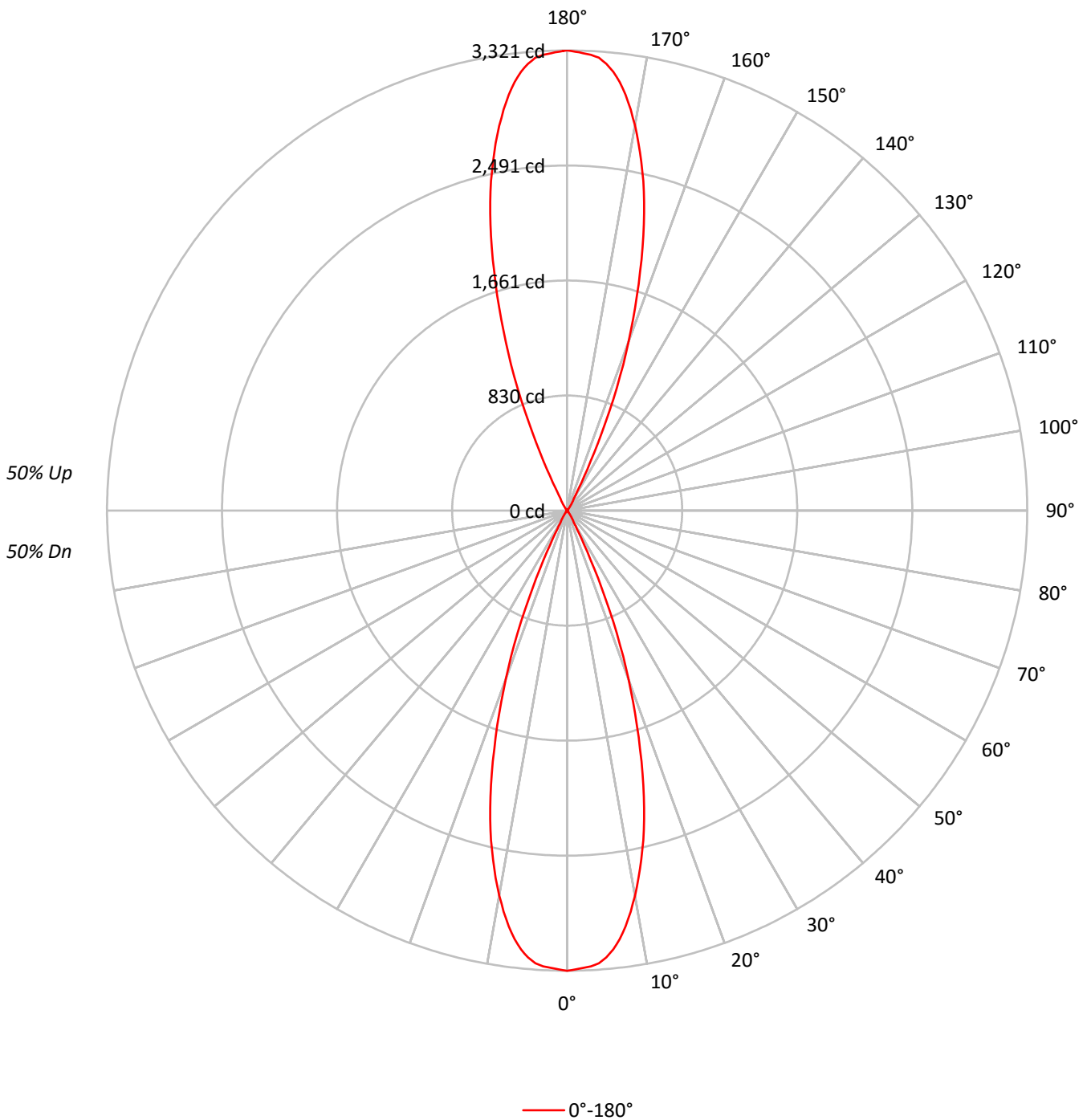
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	74	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	77	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	84	77	71	67	79	72	67	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	61	75	68	63	59	60	57	54	53	51	49	47	45	44	41				
6	76	67	61	57	71	64	59	55	57	53	51	51	48	46	45	44	42	40				
7	72	63	57	53	68	60	55	51	54	51	48	49	46	44	44	42	41	39				
8	69	60	54	50	65	57	52	48	52	48	45	47	44	42	42	41	39	37				
9	66	57	51	47	62	54	49	46	50	46	43	45	42	41	41	39	38	36				
10	63	54	48	45	60	52	47	44	47	44	41	44	41	39	40	38	37	35				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	728319
5°	712633
10°	628089
15°	485270
20°	301376
25°	111660
30°	23371
35°	8807
40°	3206
45°	2171
50°	1910
55°	1606
60°	1228
65°	726
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	13.0
10°-20°	573.6	25.2
20°-30°	233.7	10.3
30°-40°	24.7	1.1
40°-50°	5.8	0.3
50°-60°	3.7	0.2
60°-70°	1.6	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°	1.6	0.1
120°-130°	3.7	0.2
130°-140°	5.8	0.3
140°-150°	24.7	1.1
150°-160°	233.7	10.3
160°-170°	573.6	25.2
170°-180°	295.6	13.0
0°-30°	1102.9	48.4
0°-40°	1127.6	49.5
0°-60°	1137.1	49.9
0°-90°	1139.0	50.0
90°-120°	2.1	0.1
90°-150°	36.3	1.6
90°-180°	1139.0	50.0
0°-180°	2278.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3321	
5°	3238	296
15°	2138	574
25°	462	234
35°	33	25
45°	7	6
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	2
125°	4	4
135°	7	6
145°	33	25
155°	462	234
165°	2138	574
175°	3238	296
180°	3321	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3321.4
1°	3313.0
2°	3303.3
3°	3294.2
4°	3276.0
5°	3237.5
6°	3185.1
7°	3116.6
8°	3029.1
9°	2929.9
10°	2820.8
11°	2701.2
12°	2573.9
13°	2441.1
14°	2295.6
15°	2137.6
16°	1976.8
17°	1798.5
18°	1632.0
19°	1458.6
20°	1291.5
21°	1128.6
22°	955.9
23°	779.7
24°	612.5
25°	461.5
26°	330.7
27°	225.2
28°	148.9
29°	110.5
30°	92.3
32.5°	60.8
35°	32.9
37.5°	18.2
40°	11.2
42.5°	8.4
45°	7.0
47.5°	6.3
50°	5.6
52.5°	4.9
55°	4.2
57.5°	3.5
60°	2.8
62.5°	2.1
65°	1.4



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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°	1.4
117.5°	2.1
120°	2.8
122.5°	3.5
125°	4.2
127.5°	4.9
130°	5.6
132.5°	6.3
135°	7.0
137.5°	8.4
140°	11.2
142.5°	18.2
145°	32.9
147.5°	60.8
150°	92.3
151°	110.5
152°	148.9
153°	225.2
154°	330.7
155°	461.5
156°	612.5
157°	779.7
158°	955.9
159°	1128.6
160°	1291.5
161°	1458.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1632.0
163°	1798.5
164°	1976.8
165°	2137.6
166°	2295.6
167°	2441.1
168°	2573.9
169°	2701.2
170°	2820.8
171°	2929.9
172°	3029.1
173°	3116.6
174°	3185.1
175°	3237.5
176°	3276.0
177°	3294.2
178°	3303.3
179°	3313.0
180°	3321.4

(END OF REPORT)