

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: P221989

Luminaire Tested: **9004-W2-FL-LED2797-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED2797-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2995.4 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

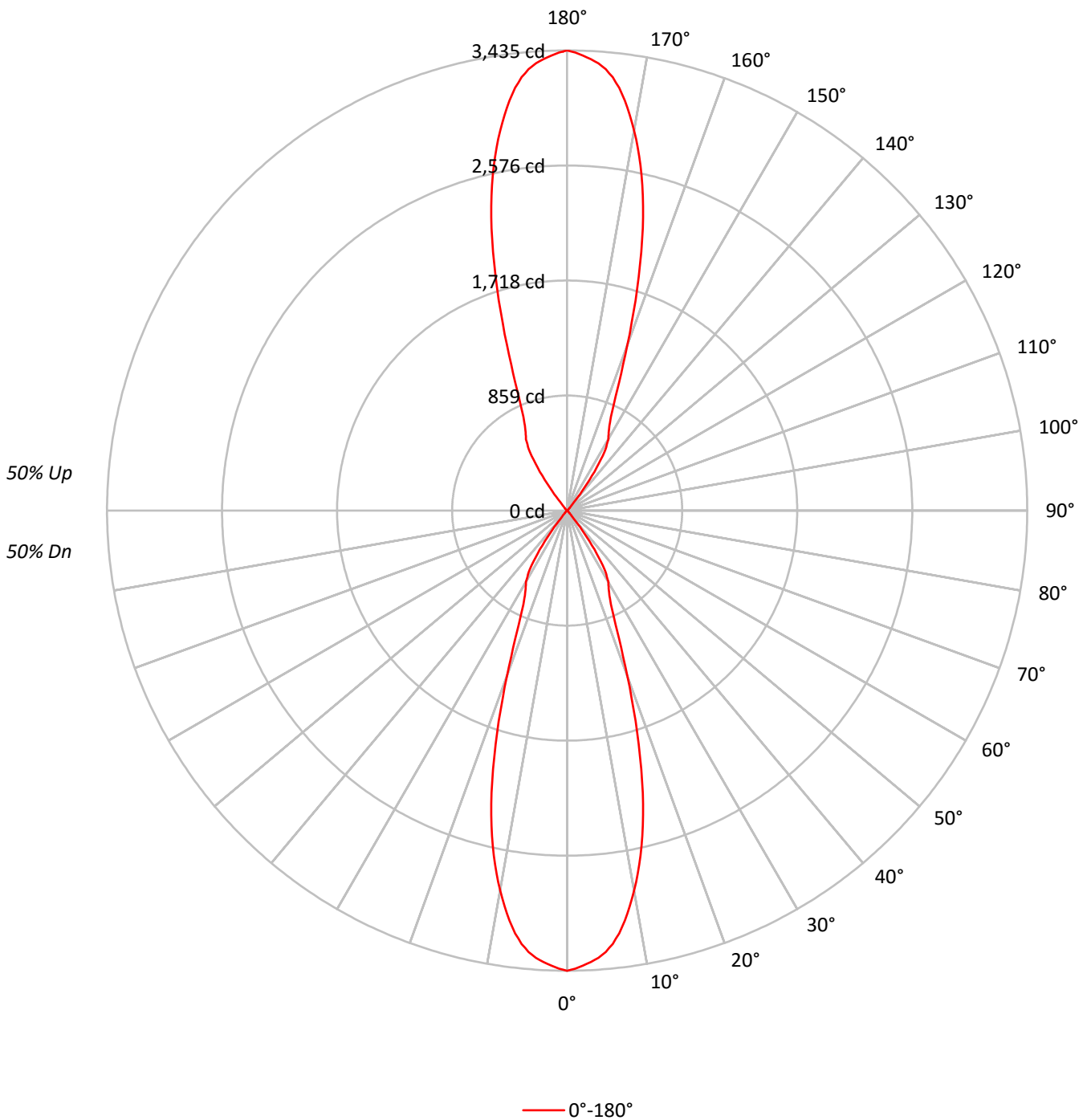
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423742
5°	409450
10°	360778
15°	278583
20°	172937
25°	105489
30°	87479
35°	53395
40°	9033
45°	3297
50°	729
55°	344
60°	271
65°	321
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.1	10.1
10°-20°	584.2	19.5
20°-30°	380.4	12.7
30°-40°	211.3	7.1
40°-50°	16.5	0.6
50°-60°	1.7	0.1
60°-70°	1.0	0.0
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.0	0.0
120°-130°	1.7	0.1
130°-140°	16.5	0.6
140°-150°	211.3	7.1
150°-160°	380.4	12.7
160°-170°	584.2	19.5
170°-180°	302.1	10.1
0°-30°	1266.7	42.3
0°-40°	1478.0	49.3
0°-60°	1496.2	50.0
0°-90°	1497.7	50.0
90°-120°	1.5	0.0
90°-150°	231.0	7.7
90°-180°	1498.0	50.0
0°-180°	2995.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3435	
5°	3307	302
15°	2182	584
25°	775	380
35°	355	211
45°	19	17
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	2	2
135°	19	17
145°	355	211
155°	775	380
165°	2182	584
175°	3307	302
180°	3435	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3435.4
1°	3420.3
2°	3398.1
3°	3374.9
4°	3347.4
5°	3306.9
6°	3252.4
7°	3180.6
8°	3091.6
9°	2989.6
10°	2880.5
11°	2761.8
12°	2632.8
13°	2494.6
14°	2342.4
15°	2181.6
16°	2006.7
17°	1824.3
18°	1651.6
19°	1477.8
20°	1317.5
21°	1166.4
22°	1035.2
23°	925.6
24°	840.4
25°	775.1
26°	727.6
27°	689.8
28°	660.1
29°	636.3
30°	614.2
32.5°	520.8
35°	354.6
37.5°	181.9
40°	56.1
42.5°	27.0
45°	18.9
47.5°	11.9
50°	3.8
52.5°	2.2
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
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°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	1.1
115°	1.1
117.5°	1.1
120°	1.1
122.5°	1.6
125°	1.6
127.5°	2.2
130°	3.8
132.5°	11.9
135°	18.9
137.5°	27.0
140°	56.1
142.5°	181.9
145°	354.6
147.5°	520.8
150°	614.2
151°	636.3
152°	660.1
153°	689.8
154°	727.6
155°	775.1
156°	840.4
157°	925.6
158°	1035.2
159°	1166.4
160°	1317.5
161°	1477.8



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CATALOG NUMBER: 9004-W2-FL-LED2797-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1651.6
163°	1824.3
164°	2006.7
165°	2181.6
166°	2342.4
167°	2494.6
168°	2632.8
169°	2761.8
170°	2880.5
171°	2989.6
172°	3091.6
173°	3180.6
174°	3252.4
175°	3306.9
176°	3347.4
177°	3374.9
178°	3398.1
179°	3420.3
180°	3435.4

(END OF REPORT)