

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: P221411

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.6 lumens
Efficiency: N/A
Efficacy: 69.6 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

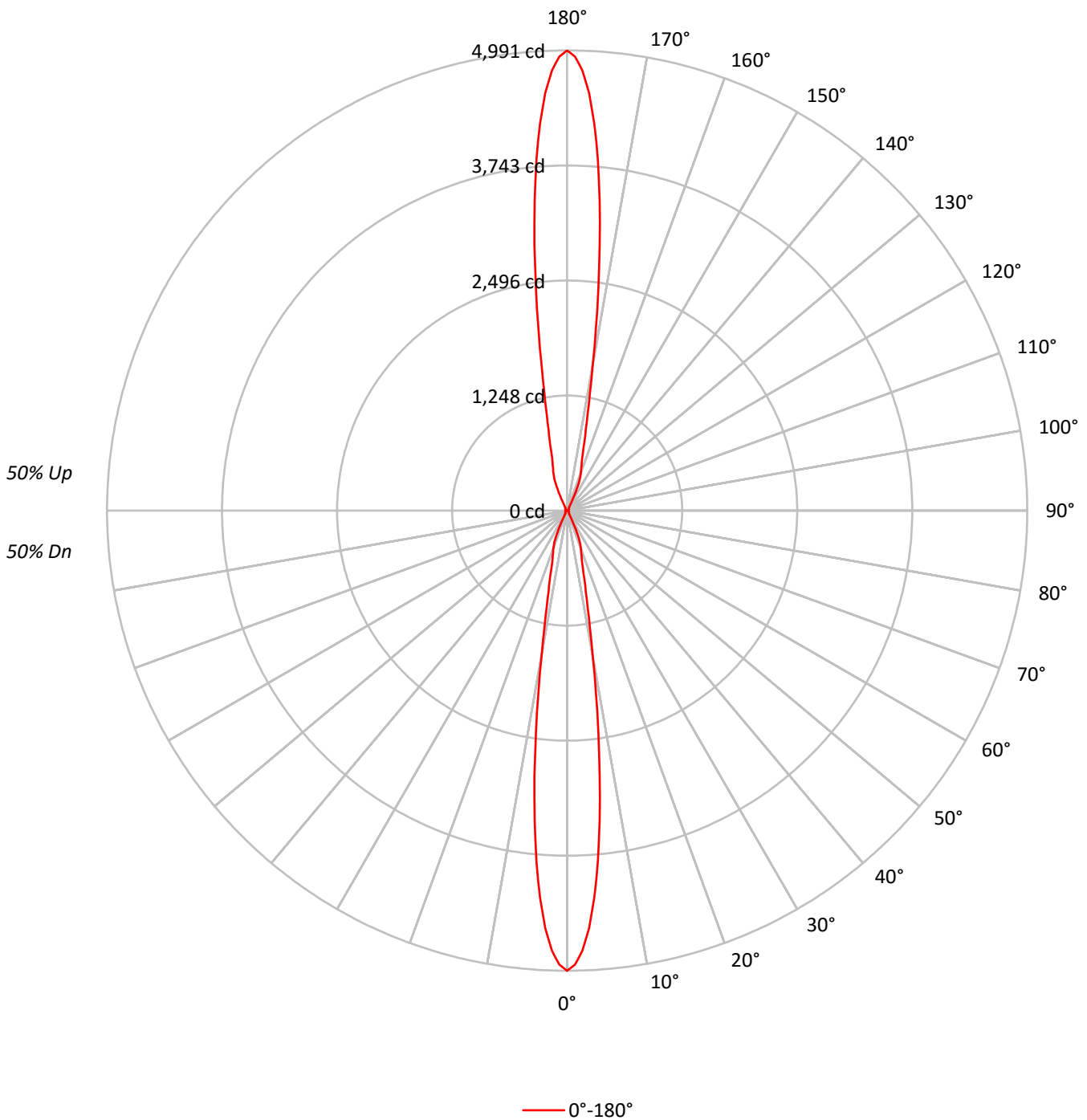
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	47				
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45				
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	49	48	47	43				
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42				
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	41	39				
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	41	40	38				
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37				
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36				
10	63	54	49	45	60	52	47	44	48	44	41	44	41	39	40	38	37	35				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1094474
5°	840830
10°	356462
15°	152963
20°	101766
25°	48438
30°	11901
35°	8834
40°	8473
45°	8466
50°	8665
55°	9711
60°	9824
65°	9028
70°	7565
75°	6778
80°	7703
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.0	21.1
10°-20°	206.1	15.1
20°-30°	93.2	6.8
30°-40°	22.0	1.6
40°-50°	21.1	1.5
50°-60°	22.3	1.6
60°-70°	17.2	1.3
70°-80°	8.9	0.7
80°-90°	3.2	0.2
90°-100°	3.2	0.2
100°-110°	8.9	0.7
110°-120°	17.2	1.3
120°-130°	22.3	1.6
130°-140°	21.1	1.5
140°-150°	22.0	1.6
150°-160°	93.2	6.8
160°-170°	206.1	15.1
170°-180°	288.0	21.1
0°-30°	587.2	43.1
0°-40°	609.2	44.7
0°-60°	652.6	47.9
0°-90°	681.8	50.0
90°-120°	29.2	2.1
90°-150°	94.6	6.9
90°-180°	682.0	50.0
0°-180°	1363.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4991	
5°	3820	288
15°	674	206
25°	200	93
35°	33	22
45°	27	21
55°	25	22
65°	17	17
75°	8	9
85°	3	3
90°	0	0
95°	3	3
105°	8	9
115°	17	17
125°	25	22
135°	27	21
145°	33	22
155°	200	93
165°	674	206
175°	3820	288
180°	4991	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4991.2
1°	4926.0
2°	4774.3
3°	4533.9
4°	4210.5
5°	3819.9
6°	3372.5
7°	2903.8
8°	2430.2
9°	1987.7
10°	1600.9
11°	1293.0
12°	1067.8
13°	902.5
14°	773.2
15°	673.8
16°	593.8
17°	540.0
18°	499.8
19°	464.9
20°	436.1
22.5°	346.6
25°	200.2
26°	146.0
27°	99.3
28°	66.0
29°	51.9
30°	47.0
32.5°	39.4
35°	33.0
37.5°	30.7
40°	29.6
42.5°	28.4
45°	27.3
47.5°	26.2
50°	25.4
52.5°	25.4
55°	25.4
57.5°	24.6
60°	22.4
62.5°	20.5
65°	17.4
67.5°	14.4
70°	11.8
72.5°	9.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.0
77.5°	7.2
80°	6.1
82.5°	4.6
85°	3.0
87.5°	1.1
90°	0.0
92.5°	1.1
95°	3.0
97.5°	4.6
100°	6.1
102.5°	7.2
105°	8.0
107.5°	9.5
110°	11.8
112.5°	14.4
115°	17.4
117.5°	20.5
120°	22.4
122.5°	24.6
125°	25.4
127.5°	25.4
130°	25.4
132.5°	26.2
135°	27.3
137.5°	28.4
140°	29.6
142.5°	30.7
145°	33.0
147.5°	39.4
150°	47.0
151°	51.9
152°	66.0
153°	99.3
154°	146.0
155°	200.2
157.5°	346.6
160°	436.1
161°	464.9
162°	499.8
163°	540.0
164°	593.8
165°	673.8
166°	773.2
167°	902.5



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CANDELA DISTRIBUTION (continued):

	0°
168°	1067.8
169°	1293.0
170°	1600.9
171°	1987.7
172°	2430.2
173°	2903.8
174°	3372.5
175°	3819.9
176°	4210.5
177°	4533.9
178°	4774.3
179°	4926.0
180°	4991.2

(END OF REPORT)