

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: P221407

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1311.5 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

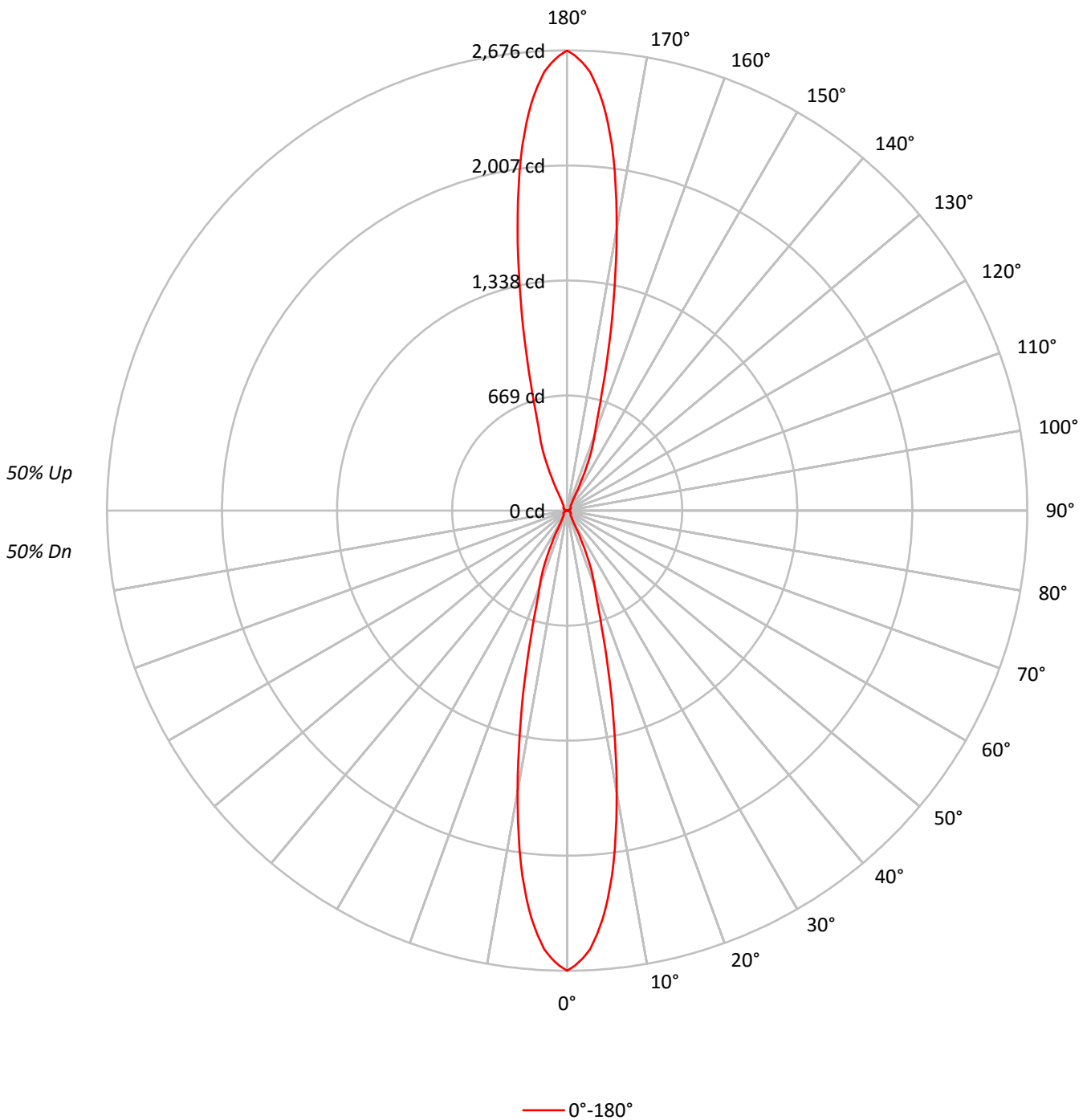
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	44
3	88	81	75	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	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	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	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	586685
5°	524168
10°	369555
15°	200818
20°	108649
25°	51826
30°	14990
35°	9744
40°	8902
45°	9179
50°	9688
55°	10284
60°	10131
65°	9651
70°	8014
75°	7032
80°	8082
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	15.5
10°-20°	249.7	19.0
20°-30°	99.9	7.6
30°-40°	25.0	1.9
40°-50°	23.0	1.8
50°-60°	23.7	1.8
60°-70°	18.0	1.4
70°-80°	9.3	0.7
80°-90°	3.3	0.3
90°-100°	3.3	0.3
100°-110°	9.3	0.7
110°-120°	18.0	1.4
120°-130°	23.7	1.8
130°-140°	23.0	1.8
140°-150°	25.0	1.9
150°-160°	99.9	7.6
160°-170°	249.7	19.0
170°-180°	203.9	15.5
0°-30°	553.4	42.2
0°-40°	578.4	44.1
0°-60°	625.1	47.7
0°-90°	655.7	50.0
90°-120°	30.6	2.3
90°-150°	102.3	7.8
90°-180°	656.0	50.0
0°-180°	1311.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2676	
5°	2381	204
15°	885	250
25°	214	100
35°	36	25
45°	30	23
55°	27	24
65°	19	18
75°	8	9
85°	3	3
90°	0	0
95°	3	3
105°	8	9
115°	19	18
125°	27	24
135°	30	23
145°	36	25
155°	214	100
165°	885	250
175°	2381	204
180°	2676	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2675.5
1°	2646.0
2°	2606.1
3°	2554.2
4°	2473.0
5°	2381.3
6°	2266.4
7°	2139.0
8°	1988.8
9°	1825.0
10°	1659.7
11°	1491.3
12°	1325.6
13°	1170.9
14°	1021.5
15°	884.6
16°	760.6
17°	659.8
18°	577.5
19°	513.4
20°	465.6
21°	425.4
22°	379.6
23°	326.9
24°	270.0
25°	214.2
26°	160.4
27°	114.5
28°	80.8
29°	65.2
30°	59.2
32.5°	47.4
35°	36.4
37.5°	32.6
40°	31.1
42.5°	30.3
45°	29.6
47.5°	29.2
50°	28.4
52.5°	28.1
55°	26.9
57.5°	25.0
60°	23.1
62.5°	21.2
65°	18.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.2
70°	12.5
72.5°	9.9
75°	8.3
77.5°	7.6
80°	6.4
82.5°	4.6
85°	3.0
87.5°	1.5
90°	0.0
92.5°	1.5
95°	3.0
97.5°	4.6
100°	6.4
102.5°	7.6
105°	8.3
107.5°	9.9
110°	12.5
112.5°	15.2
115°	18.6
117.5°	21.2
120°	23.1
122.5°	25.0
125°	26.9
127.5°	28.1
130°	28.4
132.5°	29.2
135°	29.6
137.5°	30.3
140°	31.1
142.5°	32.6
145°	36.4
147.5°	47.4
150°	59.2
151°	65.2
152°	80.8
153°	114.5
154°	160.4
155°	214.2
156°	270.0
157°	326.9
158°	379.6
159°	425.4
160°	465.6
161°	513.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	577.5
163°	659.8
164°	760.6
165°	884.6
166°	1021.5
167°	1170.9
168°	1325.6
169°	1491.3
170°	1659.7
171°	1825.0
172°	1988.8
173°	2139.0
174°	2266.4
175°	2381.3
176°	2473.0
177°	2554.2
178°	2606.1
179°	2646.0
180°	2675.5

(END OF REPORT)