

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: P221513

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221513
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]-LED5080-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1835.3 lumens
Efficiency: N/A
Efficacy: 93.6 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

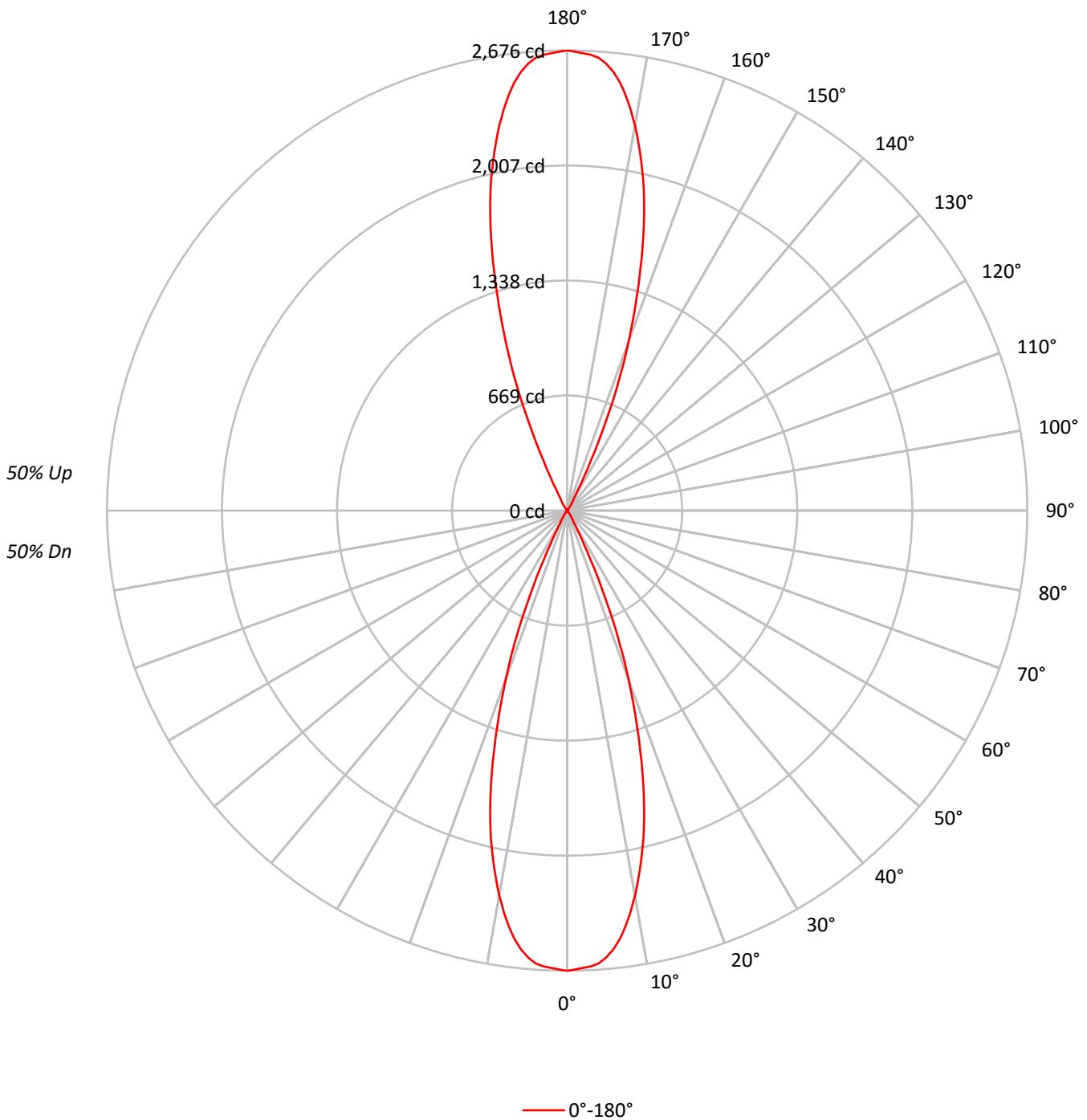
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	586751
5°	574113
10°	506003
15°	390944
20°	242804
25°	89957
30°	18838
35°	7094
40°	2576
45°	1737
50°	1535
55°	1300
60°	1009
65°	571
70°	385
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.2	13.0
10°-20°	462.1	25.2
20°-30°	188.3	10.3
30°-40°	19.9	1.1
40°-50°	4.7	0.3
50°-60°	3.0	0.2
60°-70°	1.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.3	0.1
120°-130°	3.0	0.2
130°-140°	4.7	0.3
140°-150°	19.9	1.1
150°-160°	188.3	10.3
160°-170°	462.1	25.2
170°-180°	238.2	13.0
0°-30°	888.5	48.4
0°-40°	908.4	49.5
0°-60°	916.1	49.9
0°-90°	917.6	50.0
90°-120°	1.7	0.1
90°-150°	29.3	1.6
90°-180°	918.0	50.0
0°-180°	1835.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2676	
5°	2608	238
15°	1722	462
25°	372	188
35°	26	20
45°	6	5
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	6	5
145°	26	20
155°	372	188
165°	1722	462
175°	2608	238
180°	2676	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2675.8
1°	2669.1
2°	2661.2
3°	2653.9
4°	2639.2
5°	2608.2
6°	2566.0
7°	2510.8
8°	2440.4
9°	2360.4
10°	2272.5
11°	2176.2
12°	2073.6
13°	1966.6
14°	1849.4
15°	1722.1
16°	1592.5
17°	1448.9
18°	1314.8
19°	1175.1
20°	1040.5
21°	909.2
22°	770.1
23°	628.1
24°	493.5
25°	371.8
26°	266.5
27°	181.4
28°	120.0
29°	89.0
30°	74.4
32.5°	49.0
35°	26.5
37.5°	14.6
40°	9.0
42.5°	6.8
45°	5.6
47.5°	5.1
50°	4.5
52.5°	3.9
55°	3.4
57.5°	2.8
60°	2.3
62.5°	1.7
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.6
72.5°	0.6
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°	0.6
110°	0.6
112.5°	1.1
115°	1.1
117.5°	1.7
120°	2.3
122.5°	2.8
125°	3.4
127.5°	3.9
130°	4.5
132.5°	5.1
135°	5.6
137.5°	6.8
140°	9.0
142.5°	14.6
145°	26.5
147.5°	49.0
150°	74.4
151°	89.0
152°	120.0
153°	181.4
154°	266.5
155°	371.8
156°	493.5
157°	628.1
158°	770.1
159°	909.2
160°	1040.5
161°	1175.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	1314.8
163°	1448.9
164°	1592.5
165°	1722.1
166°	1849.4
167°	1966.6
168°	2073.6
169°	2176.2
170°	2272.5
171°	2360.4
172°	2440.4
173°	2510.8
174°	2566.0
175°	2608.2
176°	2639.2
177°	2653.9
178°	2661.2
179°	2669.1
180°	2675.8

(END OF REPORT)