

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: P221683

Luminaire Tested: **9003-W2-FL-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED5080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2013.5 lumens
Efficiency: N/A
Efficacy: 102.7 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

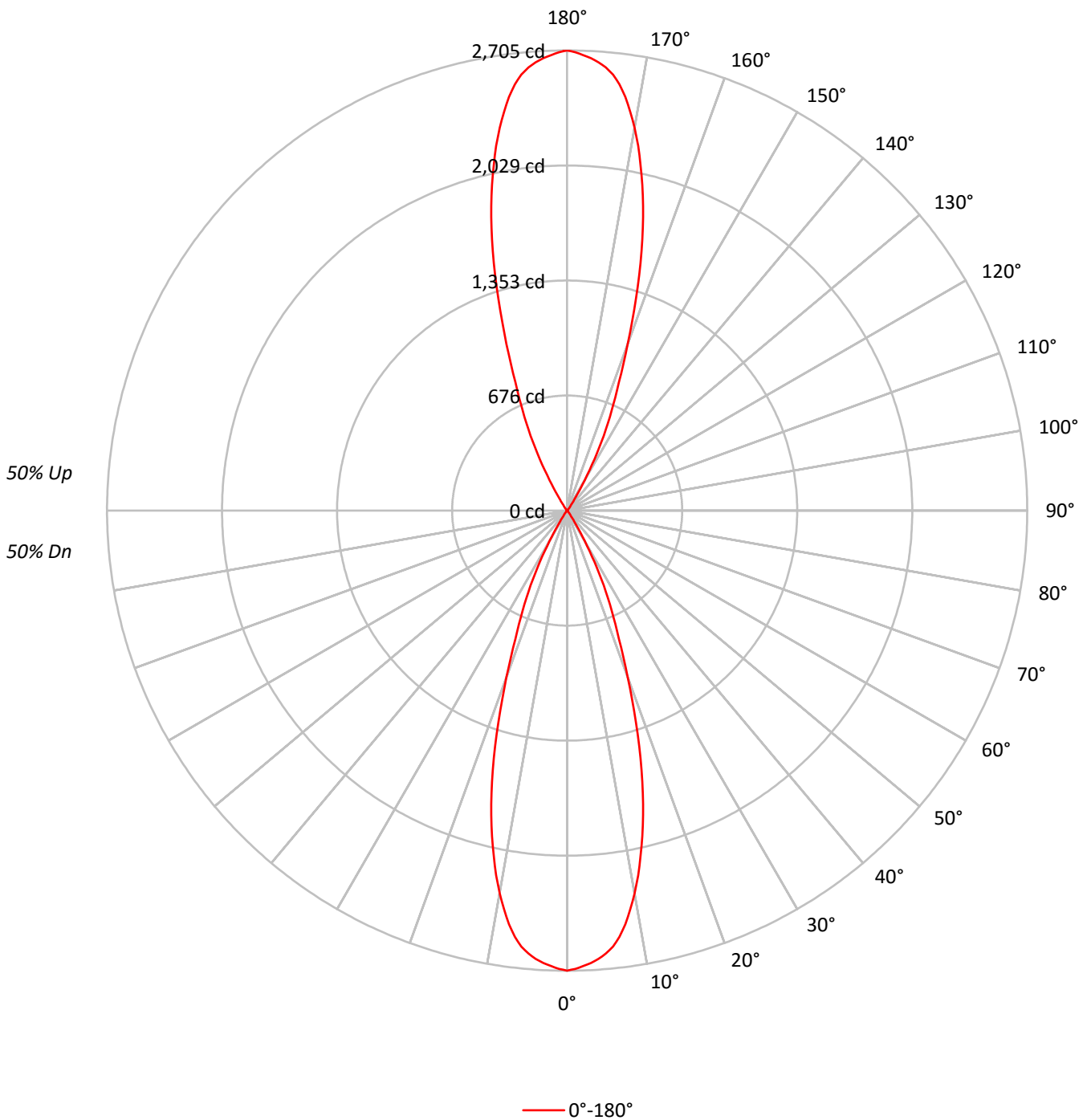
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593067
5°	575477
10°	508764
15°	390695
20°	243201
25°	137113
30°	52059
35°	11163
40°	4351
45°	1395
50°	1160
55°	879
60°	746
65°	882
70°	705
75°	932
80°	758
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	11.9
10°-20°	461.8	22.9
20°-30°	257.5	12.8
30°-40°	38.9	1.9
40°-50°	4.3	0.2
50°-60°	2.2	0.1
60°-70°	1.5	0.1
70°-80°	1.0	0.0
80°-90°	0.2	0.0
90°-100°	0.4	0.0
100°-110°	1.0	0.0
110°-120°	1.5	0.1
120°-130°	2.2	0.1
130°-140°	4.3	0.2
140°-150°	38.9	1.9
150°-160°	257.5	12.8
160°-170°	461.8	22.9
170°-180°	239.3	11.9
0°-30°	958.6	47.6
0°-40°	997.5	49.5
0°-60°	1004.1	49.9
0°-90°	1006.7	50.0
90°-120°	2.8	0.1
90°-150°	48.3	2.4
90°-180°	1007.0	50.0
0°-180°	2013.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2705	
5°	2614	239
15°	1721	462
25°	567	258
35°	42	39
45°	4	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	2	2
135°	4	4
145°	42	39
155°	567	258
165°	1721	462
175°	2614	239
180°	2705	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2704.6
1°	2695.0
2°	2679.2
3°	2662.9
4°	2642.0
5°	2614.4
6°	2577.3
7°	2523.7
8°	2455.0
9°	2373.9
10°	2284.9
11°	2185.2
12°	2077.0
13°	1964.9
14°	1844.9
15°	1721.0
16°	1586.9
17°	1448.3
18°	1307.5
19°	1172.9
20°	1042.2
21°	921.1
22°	814.0
23°	723.9
24°	645.6
25°	566.7
26°	489.5
27°	414.6
28°	341.9
29°	272.1
30°	205.6
32.5°	82.2
35°	41.7
37.5°	25.9
40°	15.2
42.5°	5.6
45°	4.5
47.5°	3.4
50°	3.4
52.5°	2.8
55°	2.3
57.5°	2.3
60°	1.7
62.5°	1.7
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.6
100°	0.6
102.5°	0.6
105°	1.1
107.5°	1.1
110°	1.1
112.5°	1.1
115°	1.7
117.5°	1.7
120°	1.7
122.5°	2.3
125°	2.3
127.5°	2.8
130°	3.4
132.5°	3.4
135°	4.5
137.5°	5.6
140°	15.2
142.5°	25.9
145°	41.7
147.5°	82.2
150°	205.6
151°	272.1
152°	341.9
153°	414.6
154°	489.5
155°	566.7
156°	645.6
157°	723.9
158°	814.0
159°	921.1
160°	1042.2
161°	1172.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1307.5
163°	1448.3
164°	1586.9
165°	1721.0
166°	1844.9
167°	1964.9
168°	2077.0
169°	2185.2
170°	2284.9
171°	2373.9
172°	2455.0
173°	2523.7
174°	2577.3
175°	2614.4
176°	2642.0
177°	2662.9
178°	2679.2
179°	2695.0
180°	2704.6

(END OF REPORT)