

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: P221687

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1828.8 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

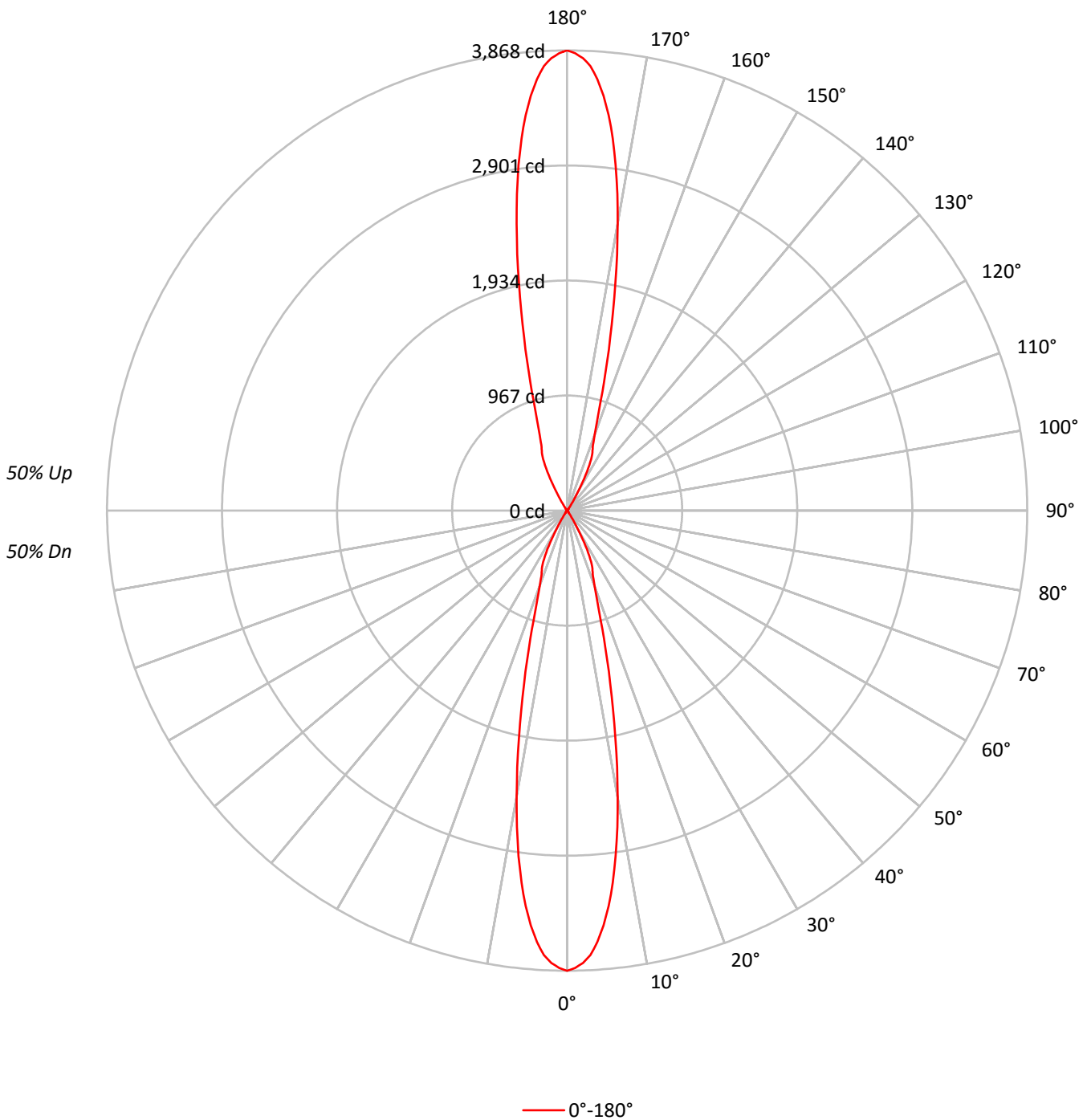
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	75		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	78	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	85	77	71	67	79	72	68	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	62	75	68	63	59	60	57	54		54	51	49		47	46	44	42
6	76	67	61	57	71	64	59	55	57	54	51		51	49	47		46	44	43	40
7	72	63	58	54	68	60	55	52	55	51	48		49	47	45		44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46		47	45	43		43	41	40	38
9	66	57	51	48	62	55	50	46	50	46	44		46	43	41		41	40	38	37
10	63	54	49	45	60	52	47	44	48	44	42		44	41	39		40	38	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	848265
5°	770788
10°	544768
15°	294394
20°	156557
25°	115168
30°	46488
35°	8887
40°	4666
45°	2109
50°	1740
55°	1491
60°	1228
65°	1193
70°	1090
75°	932
80°	758
85°	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.0	16.4
10°-20°	366.0	20.0
20°-30°	201.5	11.0
30°-40°	33.4	1.8
40°-50°	6.1	0.3
50°-60°	3.5	0.2
60°-70°	2.2	0.1
70°-80°	1.2	0.1
80°-90°	0.4	0.0
90°-100°	0.4	0.0
100°-110°	1.2	0.1
110°-120°	2.2	0.1
120°-130°	3.5	0.2
130°-140°	6.1	0.3
140°-150°	33.4	1.8
150°-160°	201.5	11.0
160°-170°	366.0	20.0
170°-180°	300.0	16.4
0°-30°	867.5	47.4
0°-40°	900.9	49.3
0°-60°	910.6	49.8
0°-90°	914.4	50.0
90°-120°	3.8	0.2
90°-150°	46.9	2.6
90°-180°	914.0	50.0
0°-180°	1828.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3868	
5°	3502	300
15°	1297	366
25°	476	201
35°	33	33
45°	7	6
55°	4	4
65°	2	2
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	2	2
125°	4	4
135°	7	6
145°	33	33
155°	476	201
165°	1297	366
175°	3502	300
180°	3868	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3868.4
1°	3844.7
2°	3804.7
3°	3741.7
4°	3634.6
5°	3501.7
6°	3341.1
7°	3150.2
8°	2932.7
9°	2694.4
10°	2446.6
11°	2196.4
12°	1950.8
13°	1715.9
14°	1499.0
15°	1296.8
16°	1122.2
17°	965.0
18°	842.2
19°	744.2
20°	670.9
21°	615.2
22°	574.6
23°	545.9
24°	517.1
25°	476.0
26°	424.8
27°	367.3
28°	304.8
29°	243.4
30°	183.6
32.5°	66.5
35°	33.2
37.5°	23.7
40°	16.3
42.5°	8.4
45°	6.8
47.5°	6.2
50°	5.1
52.5°	4.5
55°	3.9
57.5°	3.4
60°	2.8
62.5°	2.8
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.6
97.5°	0.6
100°	0.6
102.5°	1.1
105°	1.1
107.5°	1.1
110°	1.7
112.5°	1.7
115°	2.3
117.5°	2.8
120°	2.8
122.5°	3.4
125°	3.9
127.5°	4.5
130°	5.1
132.5°	6.2
135°	6.8
137.5°	8.4
140°	16.3
142.5°	23.7
145°	33.2
147.5°	66.5
150°	183.6
151°	243.4
152°	304.8
153°	367.3
154°	424.8
155°	476.0
156°	517.1
157°	545.9
158°	574.6
159°	615.2
160°	670.9
161°	744.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	842.2
163°	965.0
164°	1122.2
165°	1296.8
166°	1499.0
167°	1715.9
168°	1950.8
169°	2196.4
170°	2446.6
171°	2694.4
172°	2932.7
173°	3150.2
174°	3341.1
175°	3501.7
176°	3634.6
177°	3741.7
178°	3804.7
179°	3844.7
180°	3868.4

(END OF REPORT)