

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: P221519

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221519
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]-LED5080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1948.5 lumens
Efficiency: N/A
Efficacy: 99.4 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

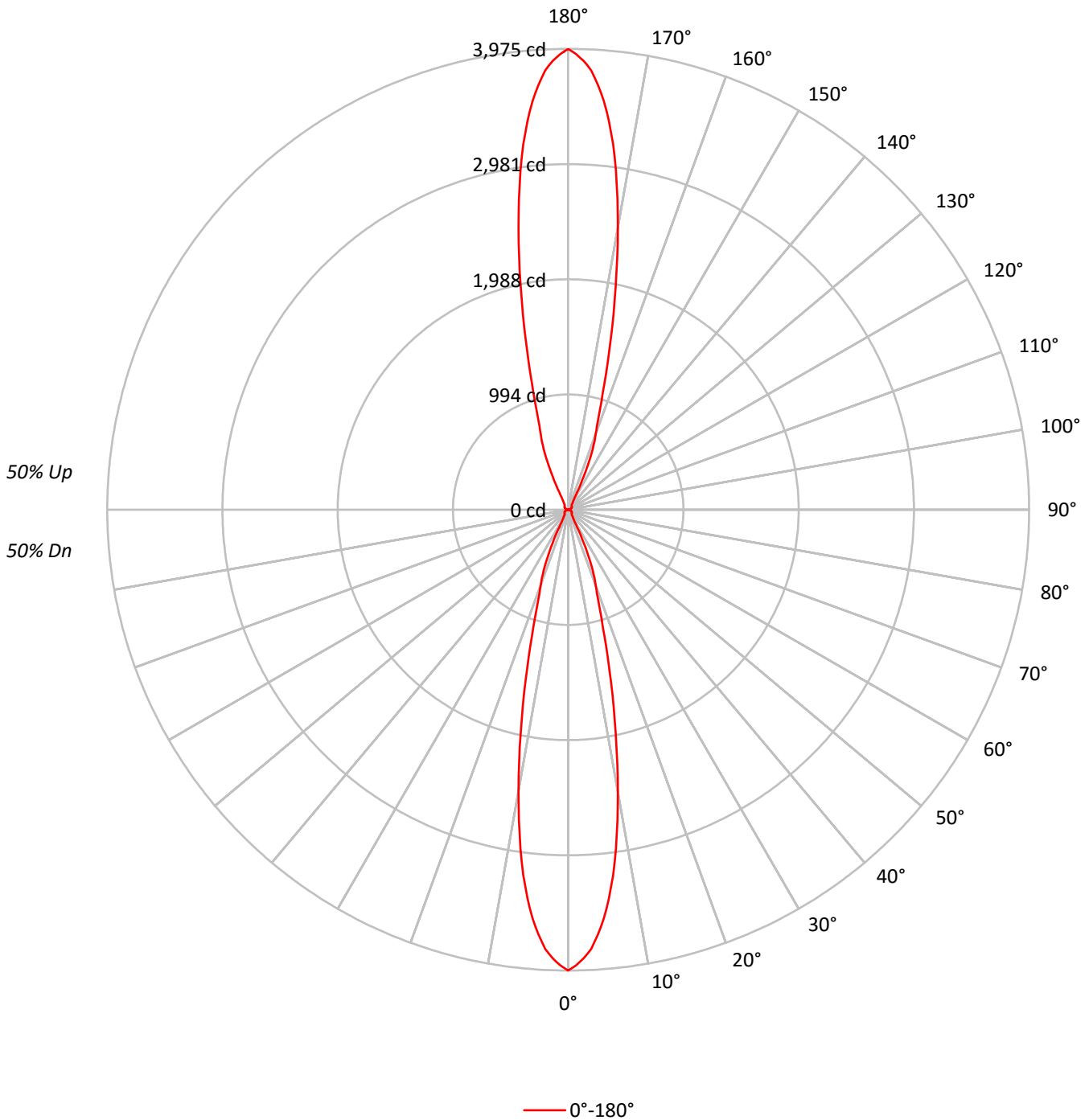
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	871619
5°	778712
10°	549021
15°	298367
20°	161434
25°	77013
30°	22257
35°	14482
40°	13225
45°	13614
50°	14430
55°	15292
60°	15087
65°	14321
70°	11925
75°	10506
80°	12123
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	15.5
10°-20°	370.9	19.0
20°-30°	148.4	7.6
30°-40°	37.2	1.9
40°-50°	34.2	1.8
50°-60°	35.2	1.8
60°-70°	26.7	1.4
70°-80°	13.8	0.7
80°-90°	5.0	0.3
90°-100°	5.0	0.3
100°-110°	13.8	0.7
110°-120°	26.7	1.4
120°-130°	35.2	1.8
130°-140°	34.2	1.8
140°-150°	37.2	1.9
150°-160°	148.4	7.6
160°-170°	370.9	19.0
170°-180°	302.9	15.5
0°-30°	822.2	42.2
0°-40°	859.3	44.1
0°-60°	928.7	47.7
0°-90°	974.3	50.0
90°-120°	45.6	2.3
90°-150°	152.1	7.8
90°-180°	974.0	50.0
0°-180°	1948.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3975	
5°	3538	303
15°	1314	371
25°	318	148
35°	54	37
45°	44	34
55°	40	35
65°	28	27
75°	12	14
85°	4	5
90°	0	1
95°	4	5
105°	12	14
115°	28	27
125°	40	35
135°	44	34
145°	54	37
155°	318	148
165°	1314	371
175°	3538	303
180°	3975	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3974.9
1°	3930.9
2°	3871.8
3°	3794.6
4°	3674.1
5°	3537.7
6°	3367.0
7°	3177.8
8°	2954.7
9°	2711.3
10°	2465.7
11°	2215.6
12°	1969.4
13°	1739.6
14°	1517.6
15°	1314.3
16°	1130.0
17°	980.2
18°	858.0
19°	762.8
20°	691.8
21°	632.1
22°	563.9
23°	485.6
24°	401.1
25°	318.3
26°	238.3
27°	170.1
28°	120.0
29°	96.9
30°	87.9
32.5°	70.4
35°	54.1
37.5°	48.4
40°	46.2
42.5°	45.1
45°	43.9
47.5°	43.4
50°	42.3
52.5°	41.7
55°	40.0
57.5°	37.2
60°	34.4
62.5°	31.5
65°	27.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	22.5
70°	18.6
72.5°	14.6
75°	12.4
77.5°	11.3
80°	9.6
82.5°	6.8
85°	4.5
87.5°	2.3
90°	0.0
92.5°	2.3
95°	4.5
97.5°	6.8
100°	9.6
102.5°	11.3
105°	12.4
107.5°	14.6
110°	18.6
112.5°	22.5
115°	27.6
117.5°	31.5
120°	34.4
122.5°	37.2
125°	40.0
127.5°	41.7
130°	42.3
132.5°	43.4
135°	43.9
137.5°	45.1
140°	46.2
142.5°	48.4
145°	54.1
147.5°	70.4
150°	87.9
151°	96.9
152°	120.0
153°	170.1
154°	238.3
155°	318.3
156°	401.1
157°	485.6
158°	563.9
159°	632.1
160°	691.8
161°	762.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	858.0
163°	980.2
164°	1130.0
165°	1314.3
166°	1517.6
167°	1739.6
168°	1969.4
169°	2215.6
170°	2465.7
171°	2711.3
172°	2954.7
173°	3177.8
174°	3367.0
175°	3537.7
176°	3674.1
177°	3794.6
178°	3871.8
179°	3930.9
180°	3974.9

(END OF REPORT)