

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: P221516

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 3900.7 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

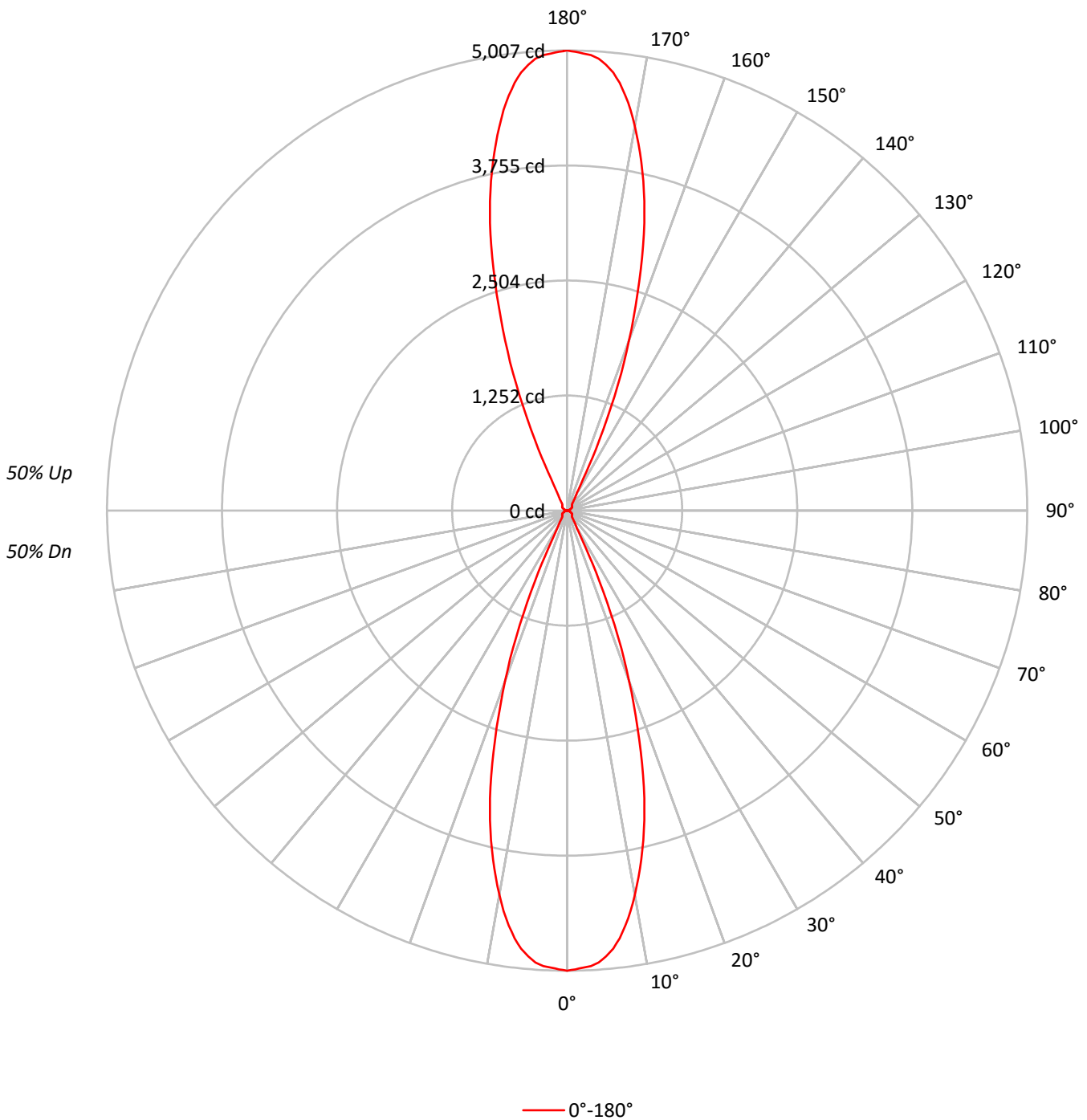
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097982
5°	1071976
10°	945585
15°	735804
20°	459613
25°	179454
30°	48919
35°	28643
40°	22900
45°	23196
50°	24460
55°	25003
60°	24603
65°	22622
70°	19298
75°	17622
80°	19699
85°	18367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.1	11.4
10°-20°	868.7	22.3
20°-30°	372.7	9.6
30°-40°	73.6	1.9
40°-50°	58.3	1.5
50°-60°	58.0	1.5
60°-70°	43.0	1.1
70°-80°	23.0	0.6
80°-90°	8.1	0.2
90°-100°	8.1	0.2
100°-110°	23.0	0.6
110°-120°	43.0	1.1
120°-130°	58.0	1.5
130°-140°	58.3	1.5
140°-150°	73.6	1.9
150°-160°	372.7	9.6
160°-170°	868.7	22.3
170°-180°	445.1	11.4
0°-30°	1686.4	43.2
0°-40°	1760.0	45.1
0°-60°	1876.3	48.1
0°-90°	1950.4	50.0
90°-120°	74.1	1.9
90°-150°	263.9	6.8
90°-180°	1950.0	50.0
0°-180°	3900.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5007	
5°	4870	445
15°	3241	869
25°	742	373
35°	107	74
45°	75	58
55°	65	58
65°	44	43
75°	21	23
85°	7	8
90°	0	1
95°	7	8
105°	21	23
115°	44	43
125°	65	58
135°	75	58
145°	107	74
155°	742	373
165°	3241	869
175°	4870	445
180°	5007	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5007.2
1°	4992.6
2°	4977.0
3°	4962.5
4°	4928.2
5°	4870.0
6°	4792.1
7°	4690.3
8°	4560.5
9°	4414.0
10°	4246.7
11°	4068.1
12°	3882.1
13°	3680.6
14°	3468.7
15°	3241.2
16°	2998.1
17°	2742.5
18°	2478.7
19°	2220.0
20°	1969.6
21°	1731.7
22°	1476.2
23°	1214.4
24°	965.1
25°	741.7
26°	547.5
27°	387.5
28°	276.3
29°	219.2
30°	193.2
32.5°	146.5
35°	107.0
37.5°	87.3
40°	80.0
42.5°	76.9
45°	74.8
47.5°	73.8
50°	71.7
52.5°	68.6
55°	65.4
57.5°	61.3
60°	56.1
62.5°	50.9
65°	43.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	36.4
70°	30.1
72.5°	24.9
75°	20.8
77.5°	18.7
80°	15.6
82.5°	11.4
85°	7.3
87.5°	3.1
90°	0.0
92.5°	3.1
95°	7.3
97.5°	11.4
100°	15.6
102.5°	18.7
105°	20.8
107.5°	24.9
110°	30.1
112.5°	36.4
115°	43.6
117.5°	50.9
120°	56.1
122.5°	61.3
125°	65.4
127.5°	68.6
130°	71.7
132.5°	73.8
135°	74.8
137.5°	76.9
140°	80.0
142.5°	87.3
145°	107.0
147.5°	146.5
150°	193.2
151°	219.2
152°	276.3
153°	387.5
154°	547.5
155°	741.7
156°	965.1
157°	1214.4
158°	1476.2
159°	1731.7
160°	1969.6
161°	2220.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	2478.7
163°	2742.5
164°	2998.1
165°	3241.2
166°	3468.7
167°	3680.6
168°	3882.1
169°	4068.1
170°	4246.7
171°	4414.0
172°	4560.5
173°	4690.3
174°	4792.1
175°	4870.0
176°	4928.2
177°	4962.5
178°	4977.0
179°	4992.6
180°	5007.2

(END OF REPORT)