

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: P221526

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2842.7 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

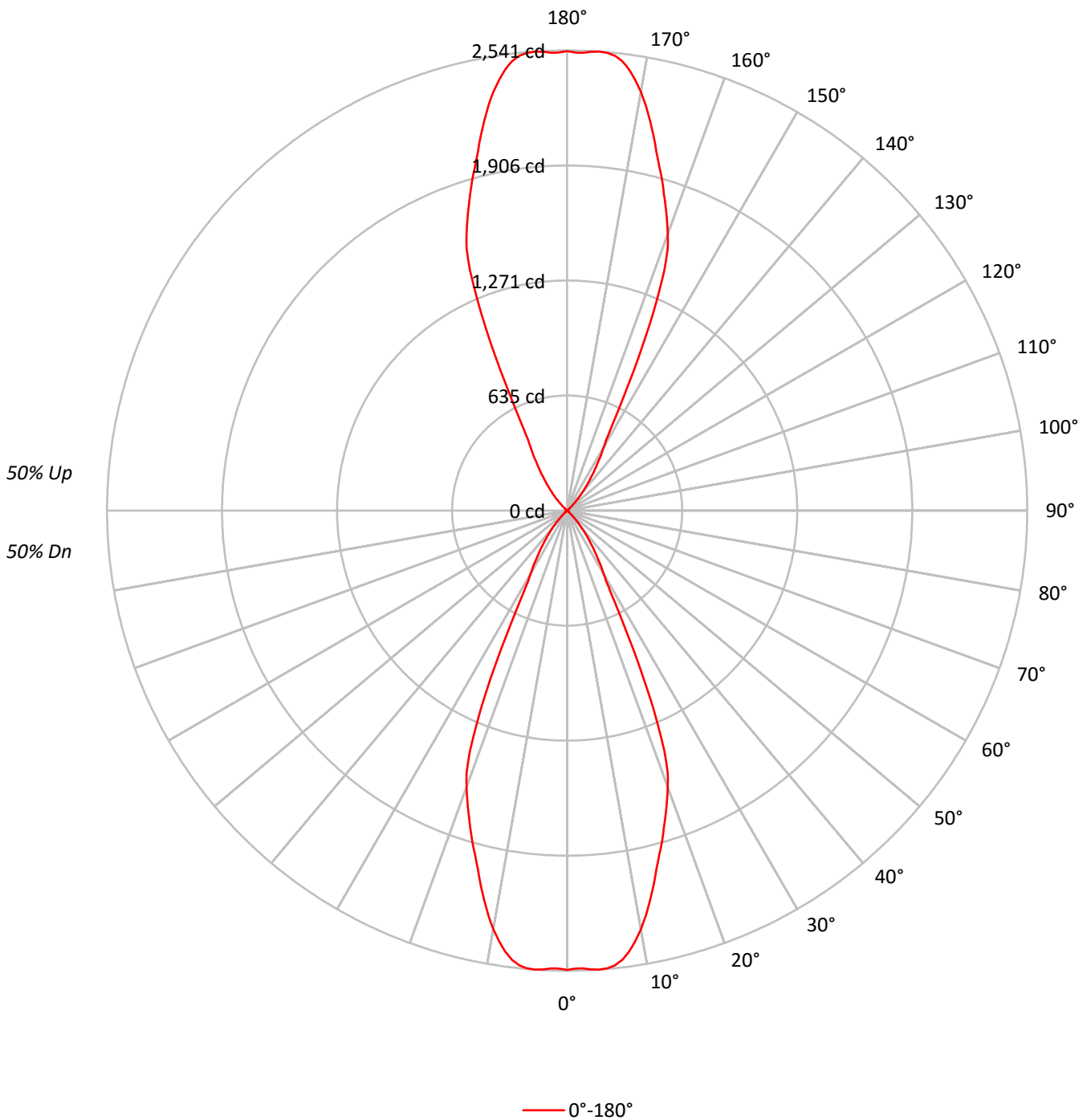
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	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	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	556271
5°	558638
10°	522524
15°	446427
20°	379386
25°	225449
30°	102573
35°	65076
40°	36869
45°	13521
50°	4264
55°	3173
60°	2719
65°	1608
70°	641
75°	847
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.4	8.3
10°-20°	549.6	19.3
20°-30°	426.7	15.0
30°-40°	155.5	5.5
40°-50°	41.1	1.4
50°-60°	7.6	0.3
60°-70°	3.4	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	3.4	0.1
120°-130°	7.6	0.3
130°-140°	41.1	1.4
140°-150°	155.5	5.5
150°-160°	426.7	15.0
160°-170°	549.6	19.3
170°-180°	236.4	8.3
0°-30°	1212.7	42.7
0°-40°	1368.2	48.1
0°-60°	1417.0	49.8
0°-90°	1421.3	50.0
90°-120°	4.4	0.2
90°-150°	208.7	7.3
90°-180°	1421.0	50.0
0°-180°	2842.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2537	
5°	2538	236
15°	1966	550
25°	932	427
35°	243	156
45°	44	41
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	3	3
125°	8	8
135°	44	41
145°	243	156
155°	932	427
165°	1966	550
175°	2538	236
180°	2537	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2536.8
1°	2529.6
2°	2529.6
3°	2536.8
4°	2541.0
5°	2537.9
6°	2525.4
7°	2499.4
8°	2458.9
9°	2405.9
10°	2346.7
11°	2278.2
12°	2202.3
13°	2122.3
14°	2040.3
15°	1966.5
16°	1900.0
17°	1829.4
18°	1761.9
19°	1693.3
20°	1625.8
21°	1551.0
22°	1432.6
23°	1276.7
24°	1107.4
25°	931.8
26°	766.7
27°	619.1
28°	508.0
29°	444.6
30°	405.1
32.5°	318.9
35°	243.1
37.5°	182.8
40°	128.8
42.5°	85.2
45°	43.6
47.5°	19.7
50°	12.5
52.5°	9.3
55°	8.3
57.5°	7.3
60°	6.2
62.5°	4.2
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.1
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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°	1.0
105°	1.0
107.5°	1.0
110°	1.0
112.5°	3.1
115°	3.1
117.5°	4.2
120°	6.2
122.5°	7.3
125°	8.3
127.5°	9.3
130°	12.5
132.5°	19.7
135°	43.6
137.5°	85.2
140°	128.8
142.5°	182.8
145°	243.1
147.5°	318.9
150°	405.1
151°	444.6
152°	508.0
153°	619.1
154°	766.7
155°	931.8
156°	1107.4
157°	1276.7
158°	1432.6
159°	1551.0
160°	1625.8
161°	1693.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	1761.9
163°	1829.4
164°	1900.0
165°	1966.5
166°	2040.3
167°	2122.3
168°	2202.3
169°	2278.2
170°	2346.7
171°	2405.9
172°	2458.9
173°	2499.4
174°	2525.4
175°	2537.9
176°	2541.0
177°	2536.8
178°	2529.6
179°	2529.6
180°	2536.8

(END OF REPORT)