

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: P221522

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3154.4 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

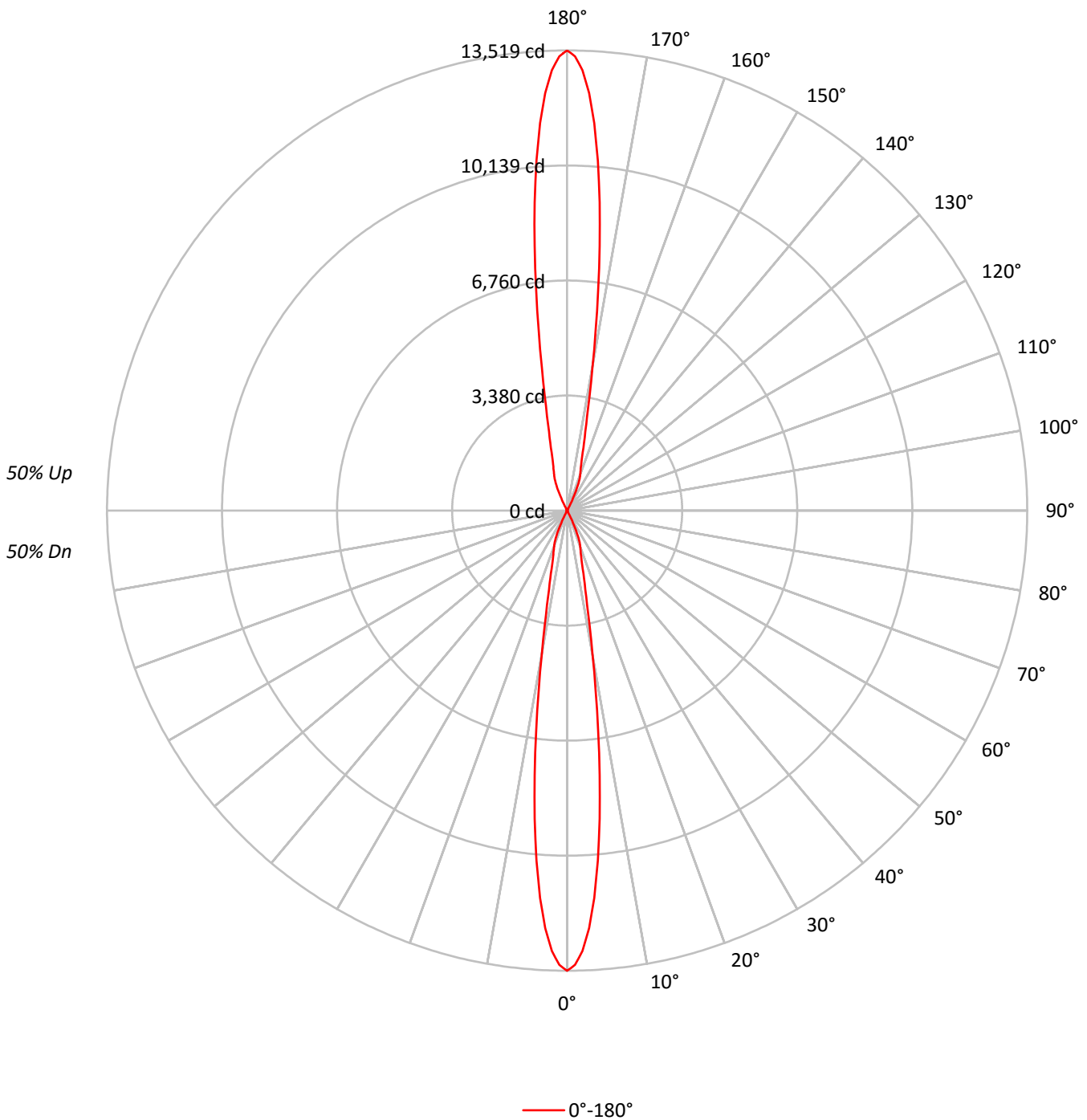
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56	56	53	52	49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54	54	51	49	48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51	52	49	48	47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49	50	48	46	46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47	49	46	45	45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46	48	45	43	44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2964543
5°	2271115
10°	952755
15°	402091
20°	261566
25°	114611
30°	15521
35°	5836
40°	4151
45°	3225
50°	2831
55°	2791
60°	2281
65°	1608
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.8	24.6
10°-20°	541.6	17.2
20°-30°	223.2	7.1
30°-40°	17.6	0.6
40°-50°	8.4	0.3
50°-60°	6.2	0.2
60°-70°	3.1	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	3.1	0.1
120°-130°	6.2	0.2
130°-140°	8.4	0.3
140°-150°	17.6	0.6
150°-160°	223.2	7.1
160°-170°	541.6	17.2
170°-180°	776.8	24.6
0°-30°	1541.6	48.9
0°-40°	1559.2	49.4
0°-60°	1573.7	49.9
0°-90°	1577.2	50.0
90°-120°	3.7	0.1
90°-150°	35.9	1.1
90°-180°	1577.0	50.0
0°-180°	3154.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13519	
5°	10318	777
15°	1771	542
25°	474	223
35°	22	18
45°	10	8
55°	7	6
65°	3	3
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	3	3
125°	7	6
135°	10	8
145°	22	18
155°	474	223
165°	1771	542
175°	10318	777
180°	13519	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13519.4
1°	13346.9
2°	12942.8
3°	12285.2
4°	11407.4
5°	10317.7
6°	9105.4
7°	7834.9
8°	6528.0
9°	5330.2
10°	4278.9
11°	3446.8
12°	2830.8
13°	2376.8
14°	2045.5
15°	1771.2
16°	1549.9
17°	1405.5
18°	1294.4
19°	1196.7
20°	1120.9
21°	1051.3
22°	945.3
23°	800.9
24°	636.8
25°	473.7
26°	329.3
27°	197.4
28°	110.1
29°	73.8
30°	61.3
32.5°	39.5
35°	21.8
37.5°	16.6
40°	14.5
42.5°	12.5
45°	10.4
47.5°	9.3
50°	8.3
52.5°	7.3
55°	7.3
57.5°	6.2
60°	5.2
62.5°	4.2
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	1.0
110°	1.0
112.5°	2.1
115°	3.1
117.5°	4.2
120°	5.2
122.5°	6.2
125°	7.3
127.5°	7.3
130°	8.3
132.5°	9.3
135°	10.4
137.5°	12.5
140°	14.5
142.5°	16.6
145°	21.8
147.5°	39.5
150°	61.3
151°	73.8
152°	110.1
153°	197.4
154°	329.3
155°	473.7
156°	636.8
157°	800.9
158°	945.3
159°	1051.3
160°	1120.9
161°	1196.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1294.4
163°	1405.5
164°	1549.9
165°	1771.2
166°	2045.5
167°	2376.8
168°	2830.8
169°	3446.8
170°	4278.9
171°	5330.2
172°	6528.0
173°	7834.9
174°	9105.4
175°	10317.7
176°	11407.4
177°	12285.2
178°	12942.8
179°	13346.9
180°	13519.4

(END OF REPORT)