

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: P221422

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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]-LED3090-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2302.5 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

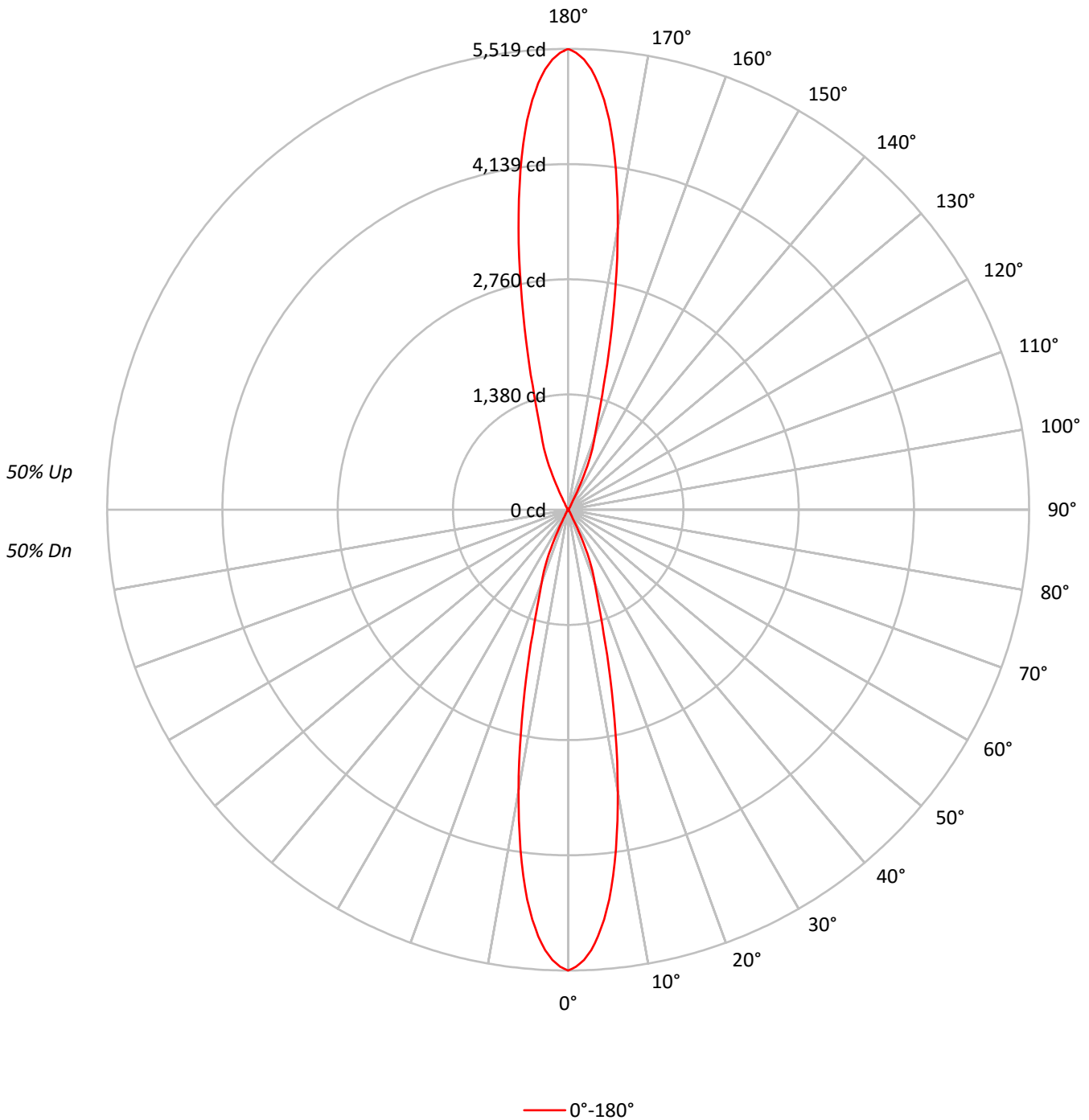
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	64	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1210298
5°	1084567
10°	761977
15°	408901
20°	215105
25°	96151
30°	18585
35°	6826
40°	3893
45°	3225
50°	2729
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.5	18.3
10°-20°	508.0	22.1
20°-30°	185.4	8.1
30°-40°	20.5	0.9
40°-50°	8.1	0.4
50°-60°	5.1	0.2
60°-70°	2.4	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.4	0.1
120°-130°	5.1	0.2
130°-140°	8.1	0.4
140°-150°	20.5	0.9
150°-160°	185.4	8.1
160°-170°	508.0	22.1
170°-180°	421.5	18.3
0°-30°	1114.9	48.4
0°-40°	1135.4	49.3
0°-60°	1148.6	49.9
0°-90°	1151.2	50.0
90°-120°	2.9	0.1
90°-150°	36.5	1.6
90°-180°	1151.0	50.0
0°-180°	2302.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5519	
5°	4927	422
15°	1801	508
25°	397	185
35°	26	20
45°	10	8
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	6	5
135°	10	8
145°	26	20
155°	397	185
165°	1801	508
175°	4927	422
180°	5519	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5519.4
1°	5474.7
2°	5396.5
3°	5281.6
4°	5122.8
5°	4927.2
6°	4693.4
7°	4418.9
8°	4107.6
9°	3770.1
10°	3422.1
11°	3071.7
12°	2724.6
13°	2396.6
14°	2083.7
15°	1801.2
16°	1541.9
17°	1330.4
18°	1158.8
19°	1023.1
20°	921.8
21°	838.8
22°	743.8
23°	631.3
24°	514.0
25°	397.4
26°	286.5
27°	187.5
28°	118.1
29°	86.2
30°	73.4
32.5°	49.5
35°	25.5
37.5°	16.8
40°	13.6
42.5°	12.0
45°	10.4
47.5°	8.8
50°	8.0
52.5°	6.4
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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°	0.8
110°	0.8
112.5°	1.6
115°	2.4
117.5°	3.2
120°	4.0
122.5°	4.8
125°	5.6
127.5°	6.4
130°	8.0
132.5°	8.8
135°	10.4
137.5°	12.0
140°	13.6
142.5°	16.8
145°	25.5
147.5°	49.5
150°	73.4
151°	86.2
152°	118.1
153°	187.5
154°	286.5
155°	397.4
156°	514.0
157°	631.3
158°	743.8
159°	838.8
160°	921.8
161°	1023.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	1158.8
163°	1330.4
164°	1541.9
165°	1801.2
166°	2083.7
167°	2396.6
168°	2724.6
169°	3071.7
170°	3422.1
171°	3770.1
172°	4107.6
173°	4418.9
174°	4693.4
175°	4927.2
176°	5122.8
177°	5281.6
178°	5396.5
179°	5474.7
180°	5519.4

(END OF REPORT)