

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: P221428

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2870.1 lumens
Efficiency: N/A
Efficacy: 71.4 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

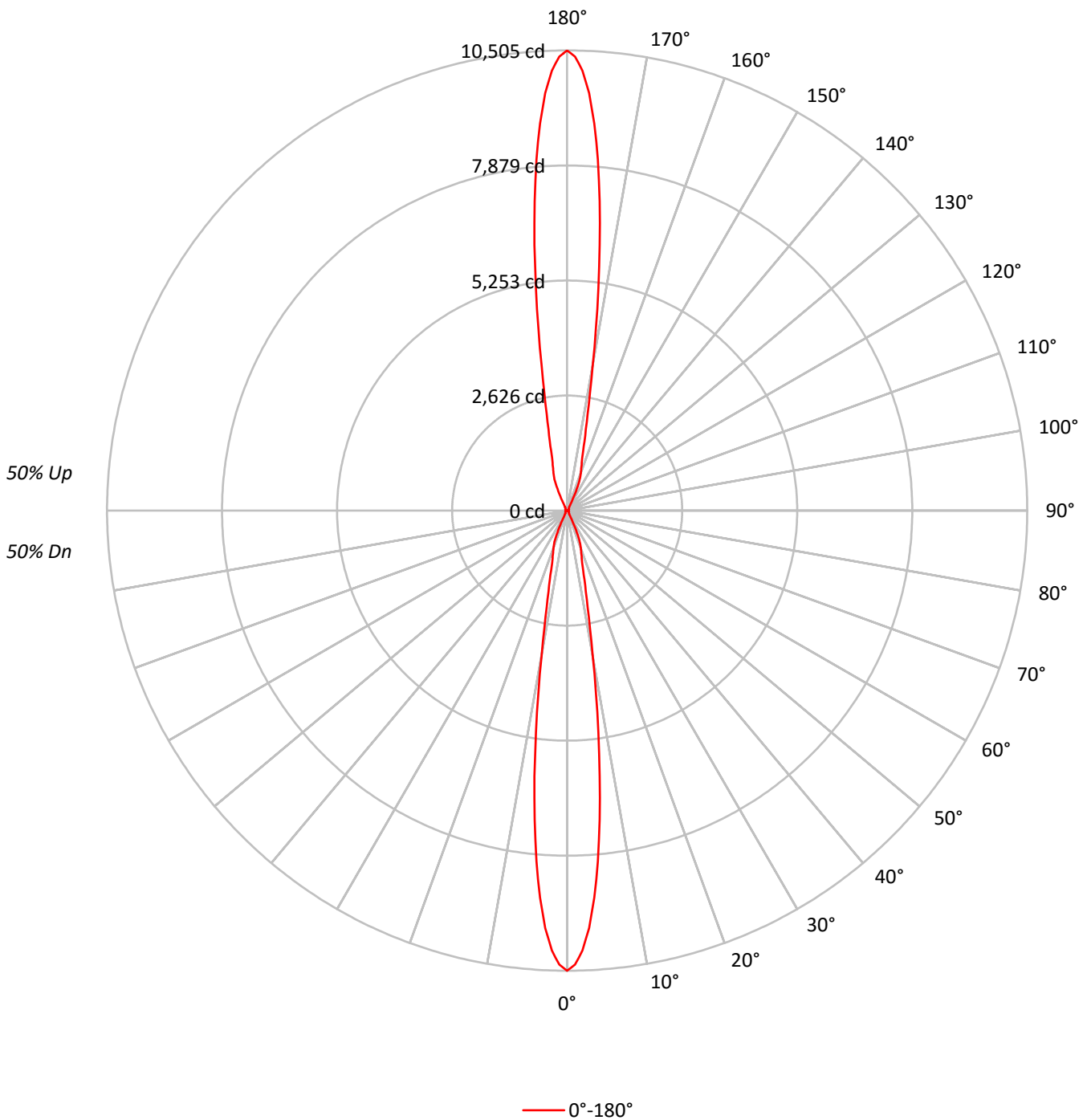
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2303522
5°	1769685
10°	750242
15°	321954
20°	214172
25°	101958
30°	25067
35°	18578
40°	17805
45°	17831
50°	18251
55°	20453
60°	20656
65°	19042
70°	15836
75°	14234
80°	16164
85°	16102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.1	21.1
10°-20°	433.7	15.1
20°-30°	196.1	6.8
30°-40°	46.3	1.6
40°-50°	44.5	1.6
50°-60°	46.9	1.6
60°-70°	36.1	1.3
70°-80°	18.7	0.7
80°-90°	6.7	0.2
90°-100°	6.7	0.2
100°-110°	18.7	0.7
110°-120°	36.1	1.3
120°-130°	46.9	1.6
130°-140°	44.5	1.6
140°-150°	46.3	1.6
150°-160°	196.1	6.8
160°-170°	433.7	15.1
170°-180°	606.1	21.1
0°-30°	1235.9	43.1
0°-40°	1282.2	44.7
0°-60°	1373.5	47.9
0°-90°	1435.0	50.0
90°-120°	61.5	2.1
90°-150°	199.2	6.9
90°-180°	1435.0	50.0
0°-180°	2870.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10505	
5°	8040	606
15°	1418	434
25°	421	196
35°	69	46
45°	58	45
55°	54	47
65°	37	36
75°	17	19
85°	6	6
90°	0	1
95°	6	6
105°	17	19
115°	37	36
125°	54	47
135°	58	45
145°	69	46
155°	421	196
165°	1418	434
175°	8040	606
180°	10505	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10504.9
1°	10367.7
2°	10048.4
3°	9542.5
4°	8861.7
5°	8039.7
6°	7098.0
7°	6111.6
8°	5114.8
9°	4183.5
10°	3369.4
11°	2721.4
12°	2247.4
13°	1899.4
14°	1627.3
15°	1418.2
16°	1249.8
17°	1136.4
18°	1051.8
19°	978.4
20°	917.8
22.5°	729.4
25°	421.4
26°	307.3
27°	209.1
28°	138.9
29°	109.3
30°	99.0
32.5°	83.0
35°	69.4
37.5°	64.6
40°	62.2
42.5°	59.9
45°	57.5
47.5°	55.1
50°	53.5
52.5°	53.5
55°	53.5
57.5°	51.9
60°	47.1
62.5°	43.1
65°	36.7
67.5°	30.3
70°	24.7
72.5°	20.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	16.8
77.5°	15.2
80°	12.8
82.5°	9.6
85°	6.4
87.5°	2.4
90°	0.0
92.5°	2.4
95°	6.4
97.5°	9.6
100°	12.8
102.5°	15.2
105°	16.8
107.5°	20.0
110°	24.7
112.5°	30.3
115°	36.7
117.5°	43.1
120°	47.1
122.5°	51.9
125°	53.5
127.5°	53.5
130°	53.5
132.5°	55.1
135°	57.5
137.5°	59.9
140°	62.2
142.5°	64.6
145°	69.4
147.5°	83.0
150°	99.0
151°	109.3
152°	138.9
153°	209.1
154°	307.3
155°	421.4
157.5°	729.4
160°	917.8
161°	978.4
162°	1051.8
163°	1136.4
164°	1249.8
165°	1418.2
166°	1627.3
167°	1899.4



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CANDELA DISTRIBUTION (continued):

	0°
168°	2247.4
169°	2721.4
170°	3369.4
171°	4183.5
172°	5114.8
173°	6111.6
174°	7098.0
175°	8039.7
176°	8861.7
177°	9542.5
178°	10048.4
179°	10367.7
180°	10504.9

(END OF REPORT)