

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: P221420

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221420
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]-LED3090-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2996.7 lumens
Efficiency: N/A
Efficacy: 74.5 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

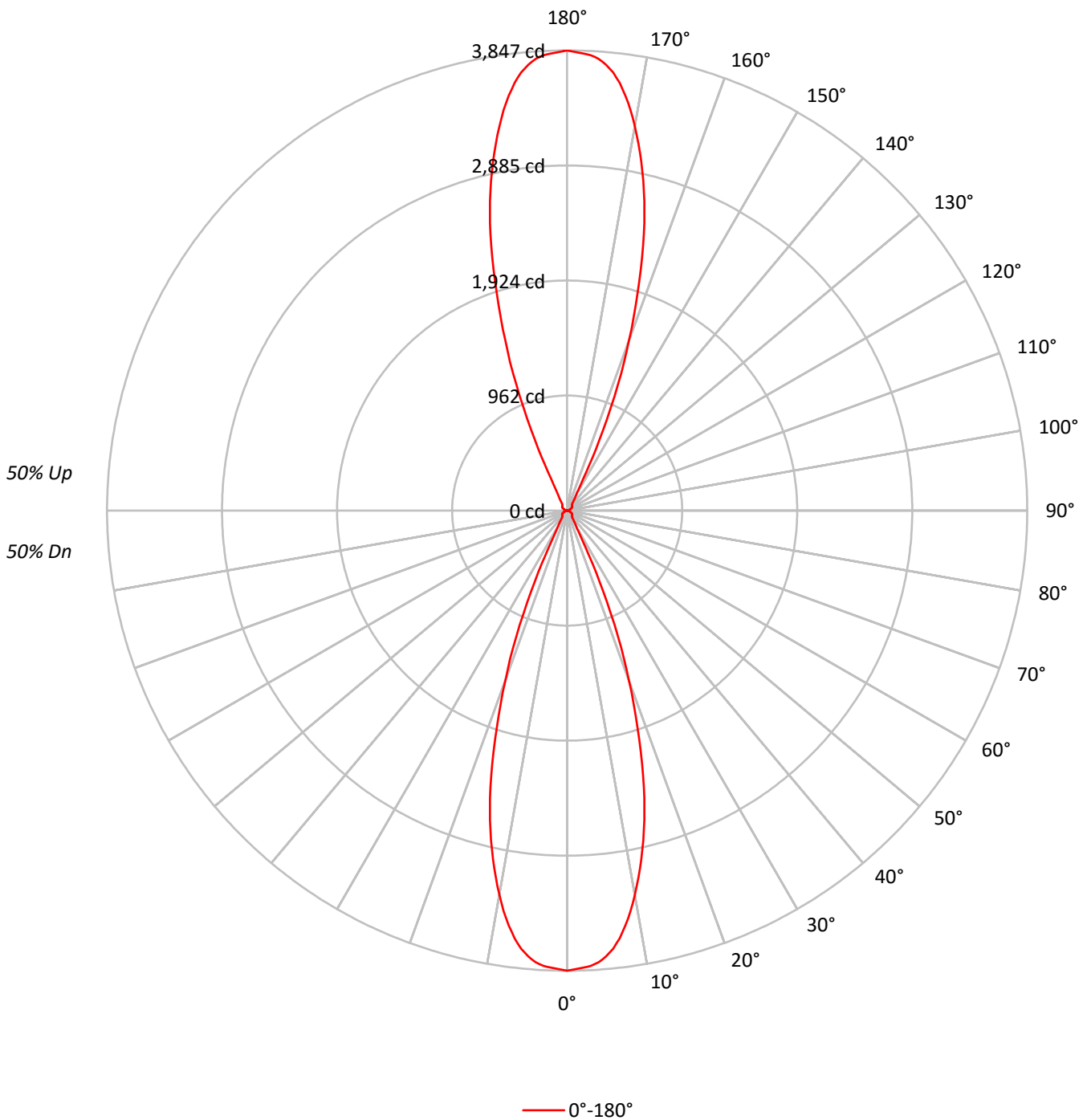
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	54	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°	843507
5°	823529
10°	726439
15°	565270
20°	353087
25°	137863
30°	37575
35°	22004
40°	17604
45°	17831
50°	18797
55°	19230
60°	18902
65°	17382
70°	14810
75°	13556
80°	15153
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.9	11.4
10°-20°	667.4	22.3
20°-30°	286.3	9.6
30°-40°	56.5	1.9
40°-50°	44.8	1.5
50°-60°	44.6	1.5
60°-70°	33.0	1.1
70°-80°	17.7	0.6
80°-90°	6.2	0.2
90°-100°	6.2	0.2
100°-110°	17.7	0.6
110°-120°	33.0	1.1
120°-130°	44.6	1.5
130°-140°	44.8	1.5
140°-150°	56.5	1.9
150°-160°	286.3	9.6
160°-170°	667.4	22.3
170°-180°	341.9	11.4
0°-30°	1295.6	43.2
0°-40°	1352.1	45.1
0°-60°	1441.4	48.1
0°-90°	1498.4	50.0
90°-120°	56.9	1.9
90°-150°	202.8	6.8
90°-180°	1498.0	50.0
0°-180°	2996.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3847	
5°	3741	342
15°	2490	667
25°	570	286
35°	82	56
45°	58	45
55°	50	45
65°	34	33
75°	16	18
85°	6	6
90°	0	1
95°	6	6
105°	16	18
115°	34	33
125°	50	45
135°	58	45
145°	82	56
155°	570	286
165°	2490	667
175°	3741	342
180°	3847	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3846.7
1°	3835.5
2°	3823.5
3°	3812.3
4°	3786.0
5°	3741.3
6°	3681.5
7°	3603.3
8°	3503.5
9°	3391.0
10°	3262.5
11°	3125.2
12°	2982.4
13°	2827.5
14°	2664.7
15°	2490.0
16°	2303.2
17°	2106.9
18°	1904.2
19°	1705.5
20°	1513.1
21°	1330.4
22°	1134.0
23°	932.9
24°	741.4
25°	569.8
26°	420.6
27°	297.7
28°	212.3
29°	168.4
30°	148.4
32.5°	112.5
35°	82.2
37.5°	67.0
40°	61.5
42.5°	59.1
45°	57.5
47.5°	56.7
50°	55.1
52.5°	52.7
55°	50.3
57.5°	47.1
60°	43.1
62.5°	39.1
65°	33.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.9
70°	23.1
72.5°	19.2
75°	16.0
77.5°	14.4
80°	12.0
82.5°	8.8
85°	5.6
87.5°	2.4
90°	0.0
92.5°	2.4
95°	5.6
97.5°	8.8
100°	12.0
102.5°	14.4
105°	16.0
107.5°	19.2
110°	23.1
112.5°	27.9
115°	33.5
117.5°	39.1
120°	43.1
122.5°	47.1
125°	50.3
127.5°	52.7
130°	55.1
132.5°	56.7
135°	57.5
137.5°	59.1
140°	61.5
142.5°	67.0
145°	82.2
147.5°	112.5
150°	148.4
151°	168.4
152°	212.3
153°	297.7
154°	420.6
155°	569.8
156°	741.4
157°	932.9
158°	1134.0
159°	1330.4
160°	1513.1
161°	1705.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1904.2
163°	2106.9
164°	2303.2
165°	2490.0
166°	2664.7
167°	2827.5
168°	2982.4
169°	3125.2
170°	3262.5
171°	3391.0
172°	3503.5
173°	3603.3
174°	3681.5
175°	3741.3
176°	3786.0
177°	3812.3
178°	3823.5
179°	3835.5
180°	3846.7

(END OF REPORT)