

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: P221419

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221419
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-L1-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: 1625.1 lumens
Efficiency: N/A
Efficacy: 82.9 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

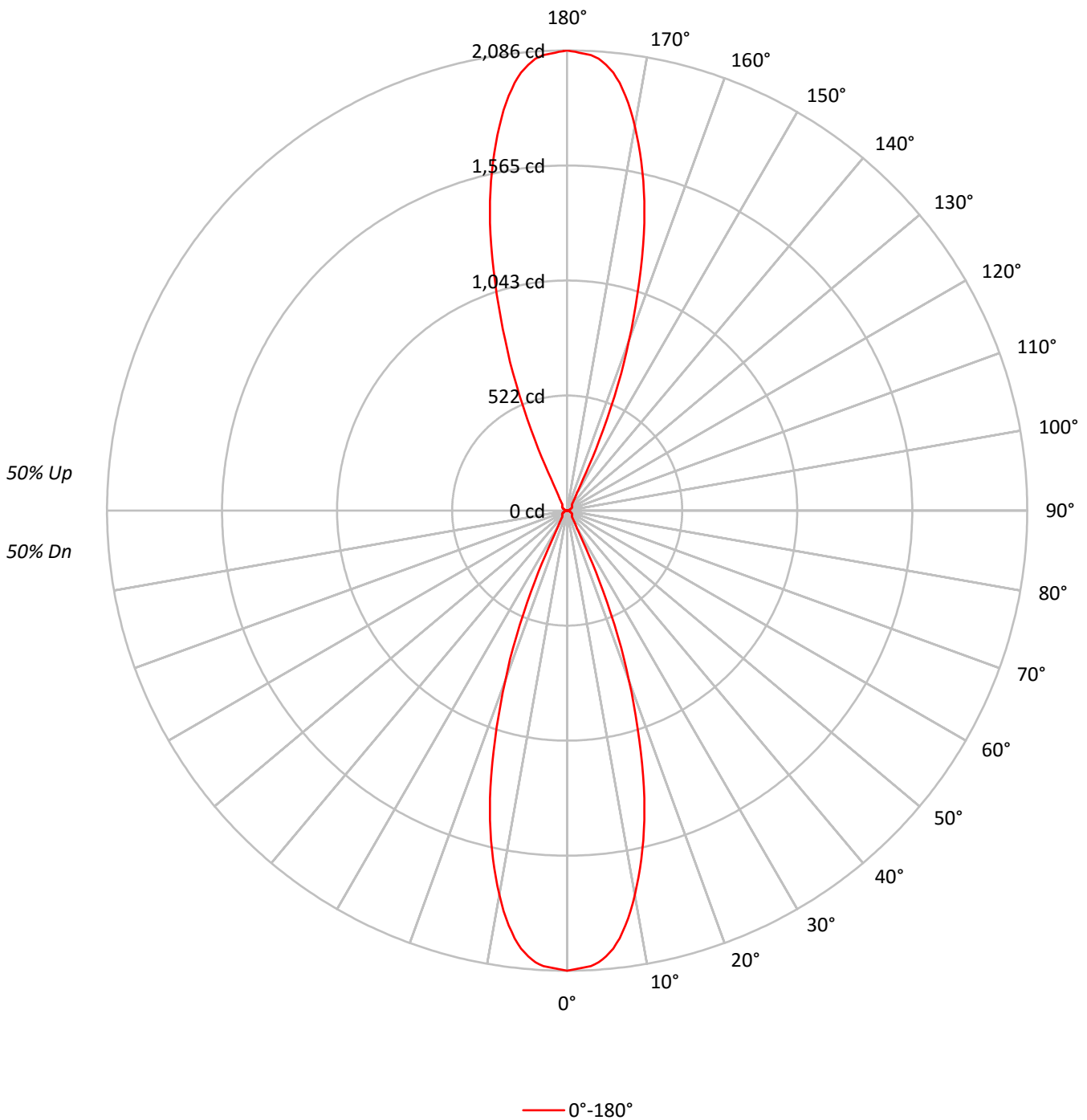
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	457398
5°	446576
10°	393936
15°	306517
20°	191467
25°	74762
30°	20383
35°	11939
40°	9532
45°	9675
50°	10200
55°	10437
60°	10262
65°	9443
70°	8078
75°	7371
80°	8208
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.4	11.4
10°-20°	361.9	22.3
20°-30°	155.2	9.6
30°-40°	30.6	1.9
40°-50°	24.3	1.5
50°-60°	24.2	1.5
60°-70°	17.9	1.1
70°-80°	9.6	0.6
80°-90°	3.4	0.2
90°-100°	3.4	0.2
100°-110°	9.6	0.6
110°-120°	17.9	1.1
120°-130°	24.2	1.5
130°-140°	24.3	1.5
140°-150°	30.6	1.9
150°-160°	155.2	9.6
160°-170°	361.9	22.3
170°-180°	185.4	11.4
0°-30°	702.6	43.2
0°-40°	733.2	45.1
0°-60°	781.6	48.1
0°-90°	812.5	50.0
90°-120°	30.9	1.9
90°-150°	110.0	6.8
90°-180°	813.0	50.0
0°-180°	1625.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2086	
5°	2029	185
15°	1350	362
25°	309	155
35°	45	31
45°	31	24
55°	27	24
65°	18	18
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	18	18
125°	27	24
135°	31	24
145°	45	31
155°	309	155
165°	1350	362
175°	2029	185
180°	2086	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2085.9
1°	2079.9
2°	2073.4
3°	2067.3
4°	2053.1
5°	2028.8
6°	1996.4
7°	1954.0
8°	1899.9
9°	1838.8
10°	1769.2
11°	1694.7
12°	1617.3
13°	1533.3
14°	1445.0
15°	1350.2
16°	1249.0
17°	1142.5
18°	1032.6
19°	924.8
20°	820.5
21°	721.4
22°	615.0
23°	505.9
24°	402.0
25°	309.0
26°	228.1
27°	161.4
28°	115.1
29°	91.3
30°	80.5
32.5°	61.0
35°	44.6
37.5°	36.4
40°	33.3
42.5°	32.0
45°	31.2
47.5°	30.7
50°	29.9
52.5°	28.6
55°	27.3
57.5°	25.5
60°	23.4
62.5°	21.2
65°	18.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.1
70°	12.6
72.5°	10.4
75°	8.7
77.5°	7.8
80°	6.5
82.5°	4.8
85°	3.0
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.0
97.5°	4.8
100°	6.5
102.5°	7.8
105°	8.7
107.5°	10.4
110°	12.6
112.5°	15.1
115°	18.2
117.5°	21.2
120°	23.4
122.5°	25.5
125°	27.3
127.5°	28.6
130°	29.9
132.5°	30.7
135°	31.2
137.5°	32.0
140°	33.3
142.5°	36.4
145°	44.6
147.5°	61.0
150°	80.5
151°	91.3
152°	115.1
153°	161.4
154°	228.1
155°	309.0
156°	402.0
157°	505.9
158°	615.0
159°	721.4
160°	820.5
161°	924.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1032.6
163°	1142.5
164°	1249.0
165°	1350.2
166°	1445.0
167°	1533.3
168°	1617.3
169°	1694.7
170°	1769.2
171°	1838.8
172°	1899.9
173°	1954.0
174°	1996.4
175°	2028.8
176°	2053.1
177°	2067.3
178°	2073.4
179°	2079.9
180°	2085.9

(END OF REPORT)