

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: P221452

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221452
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]-LED3590-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3035.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

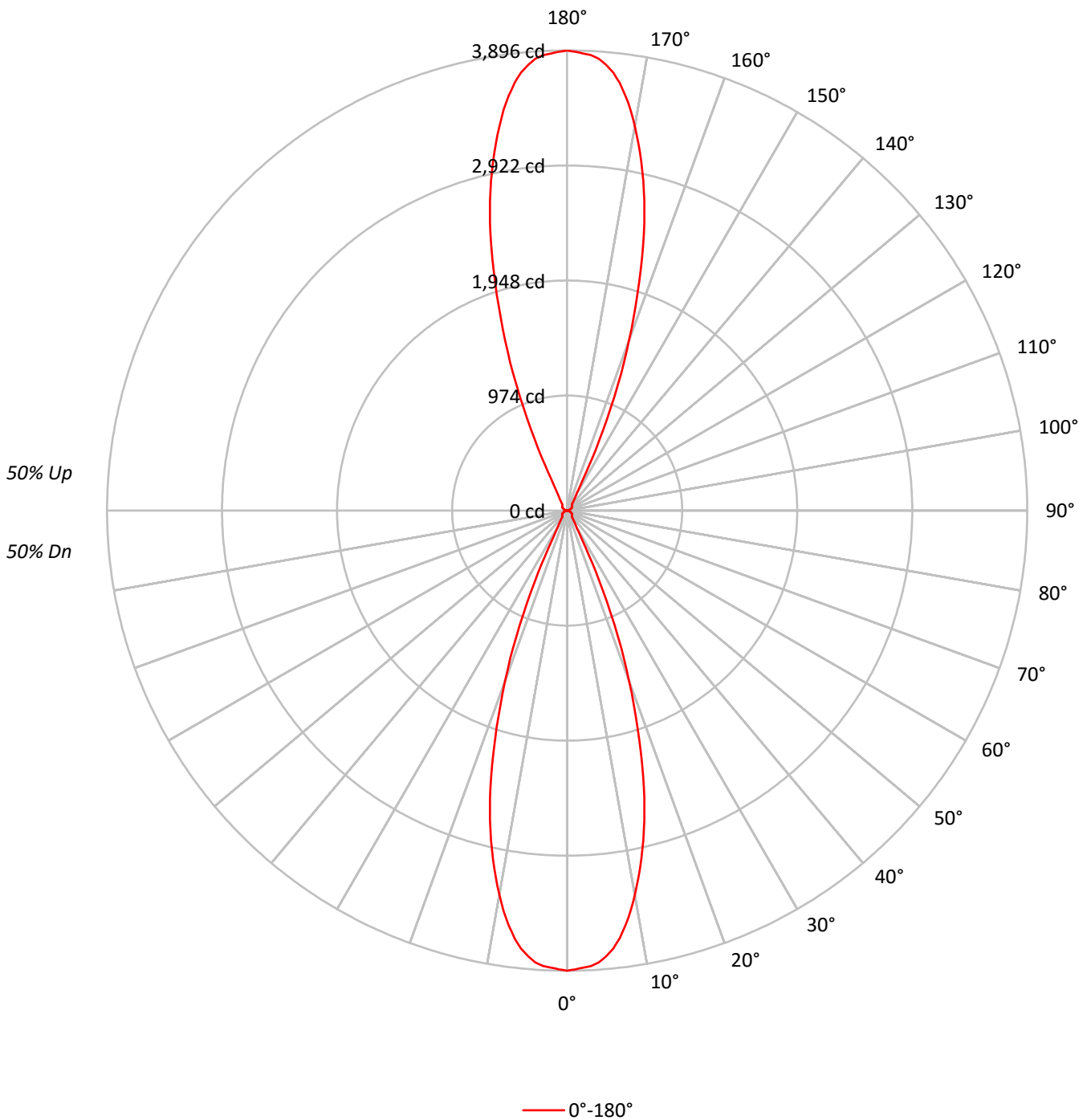
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	55	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	38	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°	854339
5°	834116
10°	735769
15°	572535
20°	357638
25°	139629
30°	38056
35°	22299
40°	17805
45°	18048
50°	19036
55°	19459
60°	19121
65°	17589
70°	15003
75°	13725
80°	15280
85°	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	11.4
10°-20°	675.9	22.3
20°-30°	290.0	9.6
30°-40°	57.2	1.9
40°-50°	45.3	1.5
50°-60°	45.1	1.5
60°-70°	33.4	1.1
70°-80°	17.9	0.6
80°-90°	6.3	0.2
90°-100°	6.3	0.2
100°-110°	17.9	0.6
110°-120°	33.4	1.1
120°-130°	45.1	1.5
130°-140°	45.3	1.5
140°-150°	57.2	1.9
150°-160°	290.0	9.6
160°-170°	675.9	22.3
170°-180°	346.3	11.4
0°-30°	1312.2	43.2
0°-40°	1369.5	45.1
0°-60°	1459.9	48.1
0°-90°	1517.5	50.0
90°-120°	57.6	1.9
90°-150°	205.3	6.8
90°-180°	1518.0	50.0
0°-180°	3035.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3896	
5°	3789	346
15°	2522	676
25°	577	290
35°	83	57
45°	58	45
55°	51	45
65°	34	33
75°	16	18
85°	6	6
90°	0	1
95°	6	6
105°	16	18
115°	34	33
125°	51	45
135°	58	45
145°	83	57
155°	577	290
165°	2522	676
175°	3789	346
180°	3896	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3896.1
1°	3884.8
2°	3872.7
3°	3861.4
4°	3834.7
5°	3789.4
6°	3728.8
7°	3649.6
8°	3548.5
9°	3434.6
10°	3304.4
11°	3165.4
12°	3020.7
13°	2863.9
14°	2699.0
15°	2522.0
16°	2332.8
17°	2134.0
18°	1928.7
19°	1727.4
20°	1532.6
21°	1347.5
22°	1148.6
23°	944.9
24°	750.9
25°	577.1
26°	426.0
27°	301.5
28°	215.0
29°	170.6
30°	150.3
32.5°	114.0
35°	83.3
37.5°	67.9
40°	62.2
42.5°	59.8
45°	58.2
47.5°	57.4
50°	55.8
52.5°	53.3
55°	50.9
57.5°	47.7
60°	43.6
62.5°	39.6
65°	33.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.3
70°	23.4
72.5°	19.4
75°	16.2
77.5°	14.5
80°	12.1
82.5°	8.9
85°	5.7
87.5°	2.4
90°	0.0
92.5°	2.4
95°	5.7
97.5°	8.9
100°	12.1
102.5°	14.5
105°	16.2
107.5°	19.4
110°	23.4
112.5°	28.3
115°	33.9
117.5°	39.6
120°	43.6
122.5°	47.7
125°	50.9
127.5°	53.3
130°	55.8
132.5°	57.4
135°	58.2
137.5°	59.8
140°	62.2
142.5°	67.9
145°	83.3
147.5°	114.0
150°	150.3
151°	170.6
152°	215.0
153°	301.5
154°	426.0
155°	577.1
156°	750.9
157°	944.9
158°	1148.6
159°	1347.5
160°	1532.6
161°	1727.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1928.7
163°	2134.0
164°	2332.8
165°	2522.0
166°	2699.0
167°	2863.9
168°	3020.7
169°	3165.4
170°	3304.4
171°	3434.6
172°	3548.5
173°	3649.6
174°	3728.8
175°	3789.4
176°	3834.7
177°	3861.4
178°	3872.7
179°	3884.8
180°	3896.1

(END OF REPORT)