

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: P221457

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1331.1 lumens
Efficiency: N/A
Efficacy: 67.9 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

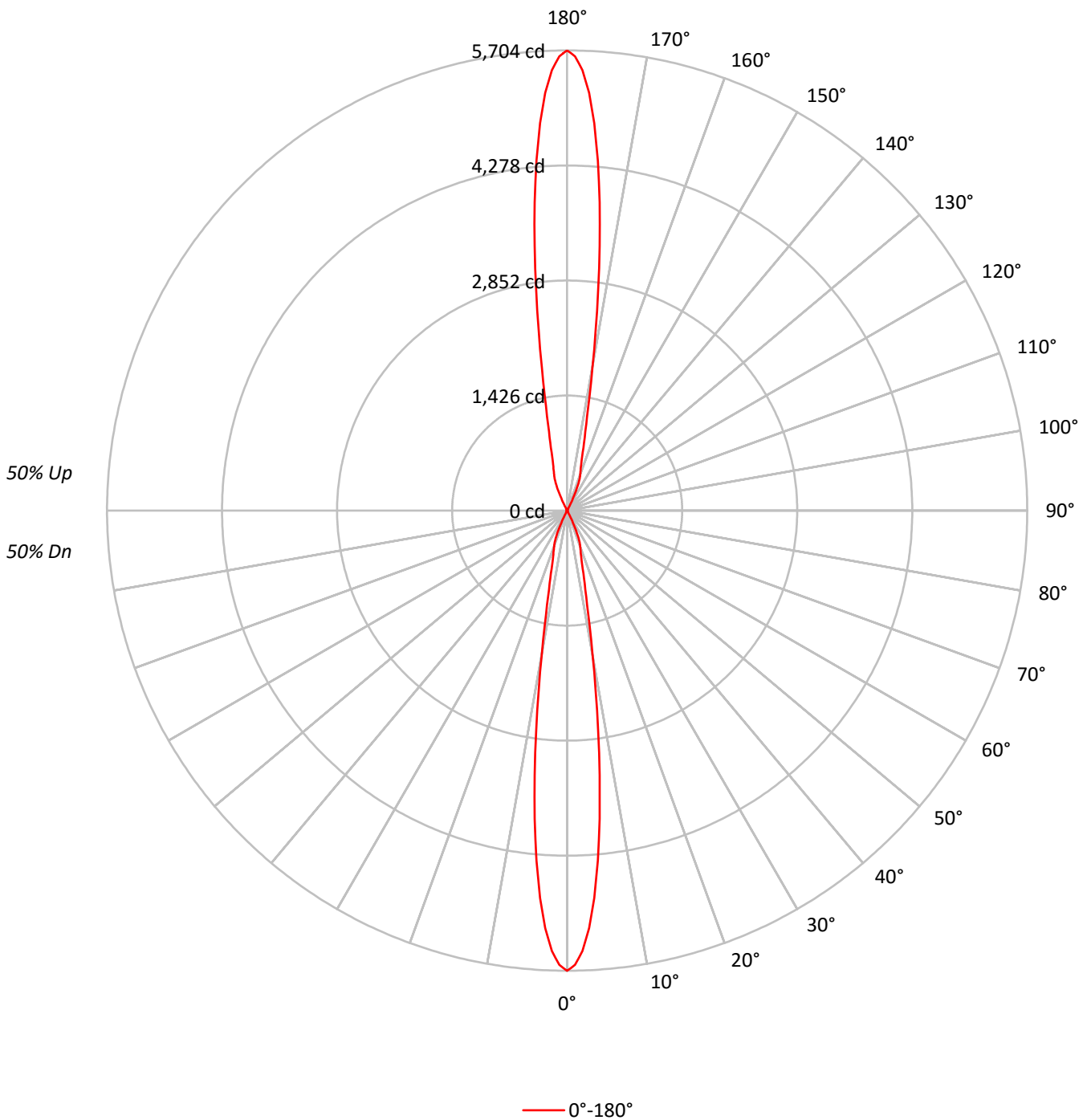
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1250887
5°	958285
10°	402019
15°	169672
20°	110376
25°	48366
30°	6558
35°	2463
40°	1746
45°	1364
50°	1194
55°	1185
60°	965
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	24.6
10°-20°	228.5	17.2
20°-30°	94.2	7.1
30°-40°	7.4	0.6
40°-50°	3.5	0.3
50°-60°	2.6	0.2
60°-70°	1.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.3	0.1
120°-130°	2.6	0.2
130°-140°	3.5	0.3
140°-150°	7.4	0.6
150°-160°	94.2	7.1
160°-170°	228.5	17.2
170°-180°	327.8	24.6
0°-30°	650.5	48.9
0°-40°	657.9	49.4
0°-60°	664.1	49.9
0°-90°	665.5	50.0
90°-120°	1.6	0.1
90°-150°	15.1	1.1
90°-180°	666.0	50.0
0°-180°	1331.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5704	
5°	4354	328
15°	747	229
25°	200	94
35°	9	7
45°	4	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	4	4
145°	9	7
155°	200	94
165°	747	229
175°	4354	328
180°	5704	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5704.5
1°	5631.7
2°	5461.2
3°	5183.8
4°	4813.4
5°	4353.5
6°	3842.0
7°	3305.9
8°	2754.5
9°	2249.1
10°	1805.5
11°	1454.4
12°	1194.5
13°	1002.9
14°	863.1
15°	747.4
16°	654.0
17°	593.1
18°	546.2
19°	505.0
20°	473.0
21°	443.6
22°	398.9
23°	338.0
24°	268.7
25°	199.9
26°	139.0
27°	83.3
28°	46.5
29°	31.1
30°	25.9
32.5°	16.7
35°	9.2
37.5°	7.0
40°	6.1
42.5°	5.3
45°	4.4
47.5°	3.9
50°	3.5
52.5°	3.1
55°	3.1
57.5°	2.6
60°	2.2
62.5°	1.8
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
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°	0.4
110°	0.4
112.5°	0.9
115°	1.3
117.5°	1.8
120°	2.2
122.5°	2.6
125°	3.1
127.5°	3.1
130°	3.5
132.5°	3.9
135°	4.4
137.5°	5.3
140°	6.1
142.5°	7.0
145°	9.2
147.5°	16.7
150°	25.9
151°	31.1
152°	46.5
153°	83.3
154°	139.0
155°	199.9
156°	268.7
157°	338.0
158°	398.9
159°	443.6
160°	473.0
161°	505.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	546.2
163°	593.1
164°	654.0
165°	747.4
166°	863.1
167°	1002.9
168°	1194.5
169°	1454.4
170°	1805.5
171°	2249.1
172°	2754.5
173°	3305.9
174°	3842.0
175°	4353.5
176°	4813.4
177°	5183.8
178°	5461.2
179°	5631.7
180°	5704.5

(END OF REPORT)