

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: P221475

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221475
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]-LED3597-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1561.3 lumens
Efficiency: N/A
Efficacy: 79.7 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

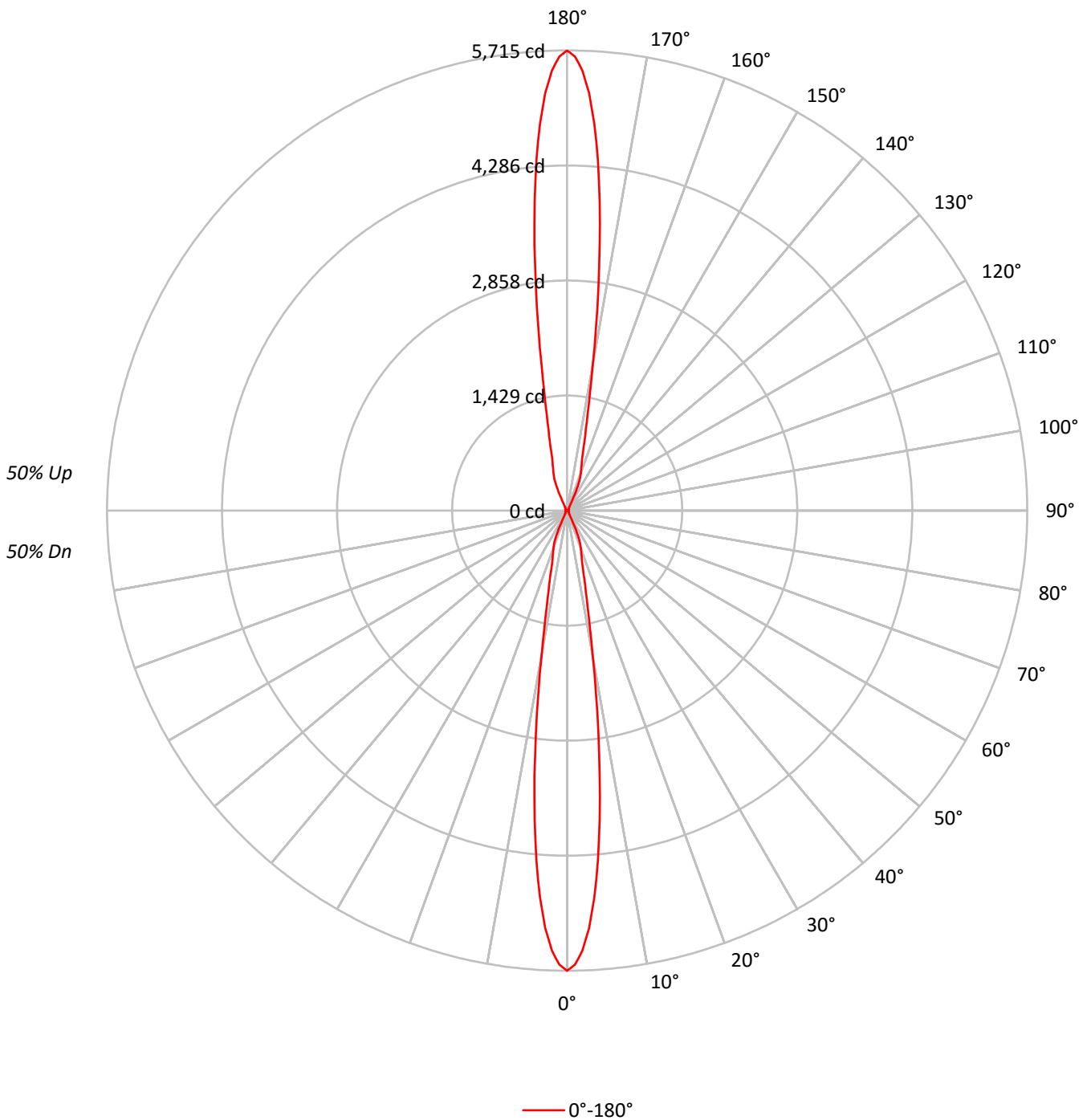
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1253145
5°	962731
10°	408142
15°	175143
20°	116513
25°	55455
30°	13622
35°	10119
40°	9704
45°	9706
50°	9927
55°	11125
60°	11227
65°	10377
70°	8655
75°	7710
80°	8713
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.7	21.1
10°-20°	235.9	15.1
20°-30°	106.7	6.8
30°-40°	25.2	1.6
40°-50°	24.2	1.6
50°-60°	25.5	1.6
60°-70°	19.6	1.3
70°-80°	10.1	0.6
80°-90°	3.7	0.2
90°-100°	3.7	0.2
100°-110°	10.1	0.6
110°-120°	19.6	1.3
120°-130°	25.5	1.6
130°-140°	24.2	1.6
140°-150°	25.2	1.6
150°-160°	106.7	6.8
160°-170°	235.9	15.1
170°-180°	329.7	21.1
0°-30°	672.3	43.1
0°-40°	697.5	44.7
0°-60°	747.2	47.9
0°-90°	780.7	50.0
90°-120°	33.4	2.1
90°-150°	108.3	6.9
90°-180°	781.0	50.0
0°-180°	1561.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5715	
5°	4374	330
15°	772	236
25°	229	107
35°	38	25
45°	31	24
55°	29	25
65°	20	20
75°	9	10
85°	4	3
90°	0	0
95°	4	3
105°	9	10
115°	20	20
125°	29	25
135°	31	24
145°	38	25
155°	229	107
165°	772	236
175°	4374	330
180°	5715	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5714.8
1°	5640.1
2°	5466.4
3°	5191.2
4°	4820.9
5°	4373.7
6°	3861.4
7°	3324.8
8°	2782.5
9°	2275.8
10°	1833.0
11°	1480.5
12°	1222.6
13°	1033.3
14°	885.2
15°	771.5
16°	679.9
17°	618.2
18°	572.2
19°	532.3
20°	499.3
22.5°	396.8
25°	229.2
26°	167.1
27°	113.7
28°	75.5
29°	59.5
30°	53.8
32.5°	45.2
35°	37.8
37.5°	35.2
40°	33.9
42.5°	32.6
45°	31.3
47.5°	30.0
50°	29.1
52.5°	29.1
55°	29.1
57.5°	28.2
60°	25.6
62.5°	23.4
65°	20.0
67.5°	16.5
70°	13.5
72.5°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.1
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.5
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.5
97.5°	5.2
100°	6.9
102.5°	8.2
105°	9.1
107.5°	10.9
110°	13.5
112.5°	16.5
115°	20.0
117.5°	23.4
120°	25.6
122.5°	28.2
125°	29.1
127.5°	29.1
130°	29.1
132.5°	30.0
135°	31.3
137.5°	32.6
140°	33.9
142.5°	35.2
145°	37.8
147.5°	45.2
150°	53.8
151°	59.5
152°	75.5
153°	113.7
154°	167.1
155°	229.2
157.5°	396.8
160°	499.3
161°	532.3
162°	572.2
163°	618.2
164°	679.9
165°	771.5
166°	885.2
167°	1033.3



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CANDELA DISTRIBUTION (continued):

	0°
168°	1222.6
169°	1480.5
170°	1833.0
171°	2275.8
172°	2782.5
173°	3324.8
174°	3861.4
175°	4373.7
176°	4820.9
177°	5191.2
178°	5466.4
179°	5640.1
180°	5714.8

(END OF REPORT)