

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: P221473

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221473
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]-LED3597-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1318.2 lumens
Efficiency: N/A
Efficacy: 67.3 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

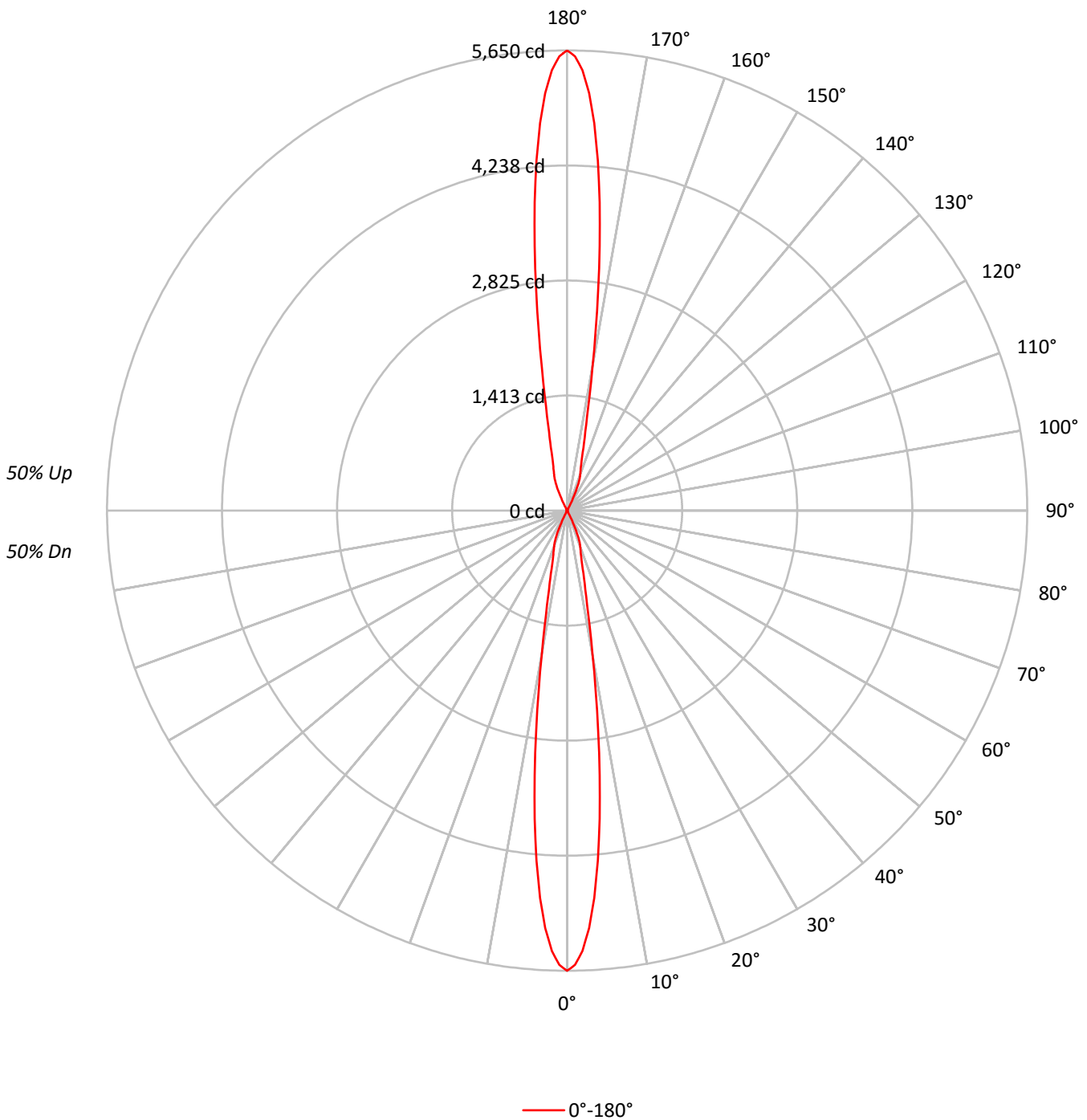
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1238958
5°	949150
10°	398189
15°	168037
20°	109326
25°	47906
30°	6482
35°	2436
40°	1746
45°	1333
50°	1194
55°	1147
60°	965
65°	675
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.6	24.6
10°-20°	226.3	17.2
20°-30°	93.3	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°	93.3	7.1
160°-170°	226.3	17.2
170°-180°	324.6	24.6
0°-30°	644.3	48.9
0°-40°	651.6	49.4
0°-60°	657.7	49.9
0°-90°	659.1	50.0
90°-120°	1.5	0.1
90°-150°	15.0	1.1
90°-180°	659.0	50.0
0°-180°	1318.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5650	
5°	4312	325
15°	740	226
25°	198	93
35°	9	7
45°	4	3
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	3
145°	9	7
155°	198	93
165°	740	226
175°	4312	325
180°	5650	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5650.1
1°	5578.0
2°	5409.1
3°	5134.3
4°	4767.4
5°	4312.0
6°	3805.4
7°	3274.4
8°	2728.2
9°	2227.6
10°	1788.3
11°	1440.5
12°	1183.1
13°	993.3
14°	854.8
15°	740.2
16°	647.8
17°	587.4
18°	541.0
19°	500.1
20°	468.5
21°	439.4
22°	395.1
23°	334.7
24°	266.1
25°	198.0
26°	137.6
27°	82.5
28°	46.0
29°	30.8
30°	25.6
32.5°	16.5
35°	9.1
37.5°	6.9
40°	6.1
42.5°	5.2
45°	4.3
47.5°	3.9
50°	3.5
52.5°	3.0
55°	3.0
57.5°	2.6
60°	2.2
62.5°	1.7
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°	1.7
120°	2.2
122.5°	2.6
125°	3.0
127.5°	3.0
130°	3.5
132.5°	3.9
135°	4.3
137.5°	5.2
140°	6.1
142.5°	6.9
145°	9.1
147.5°	16.5
150°	25.6
151°	30.8
152°	46.0
153°	82.5
154°	137.6
155°	198.0
156°	266.1
157°	334.7
158°	395.1
159°	439.4
160°	468.5
161°	500.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	541.0
163°	587.4
164°	647.8
165°	740.2
166°	854.8
167°	993.3
168°	1183.1
169°	1440.5
170°	1788.3
171°	2227.6
172°	2728.2
173°	3274.4
174°	3805.4
175°	4312.0
176°	4767.4
177°	5134.3
178°	5409.1
179°	5578.0
180°	5650.1

(END OF REPORT)