

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: P221465

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1414.3 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

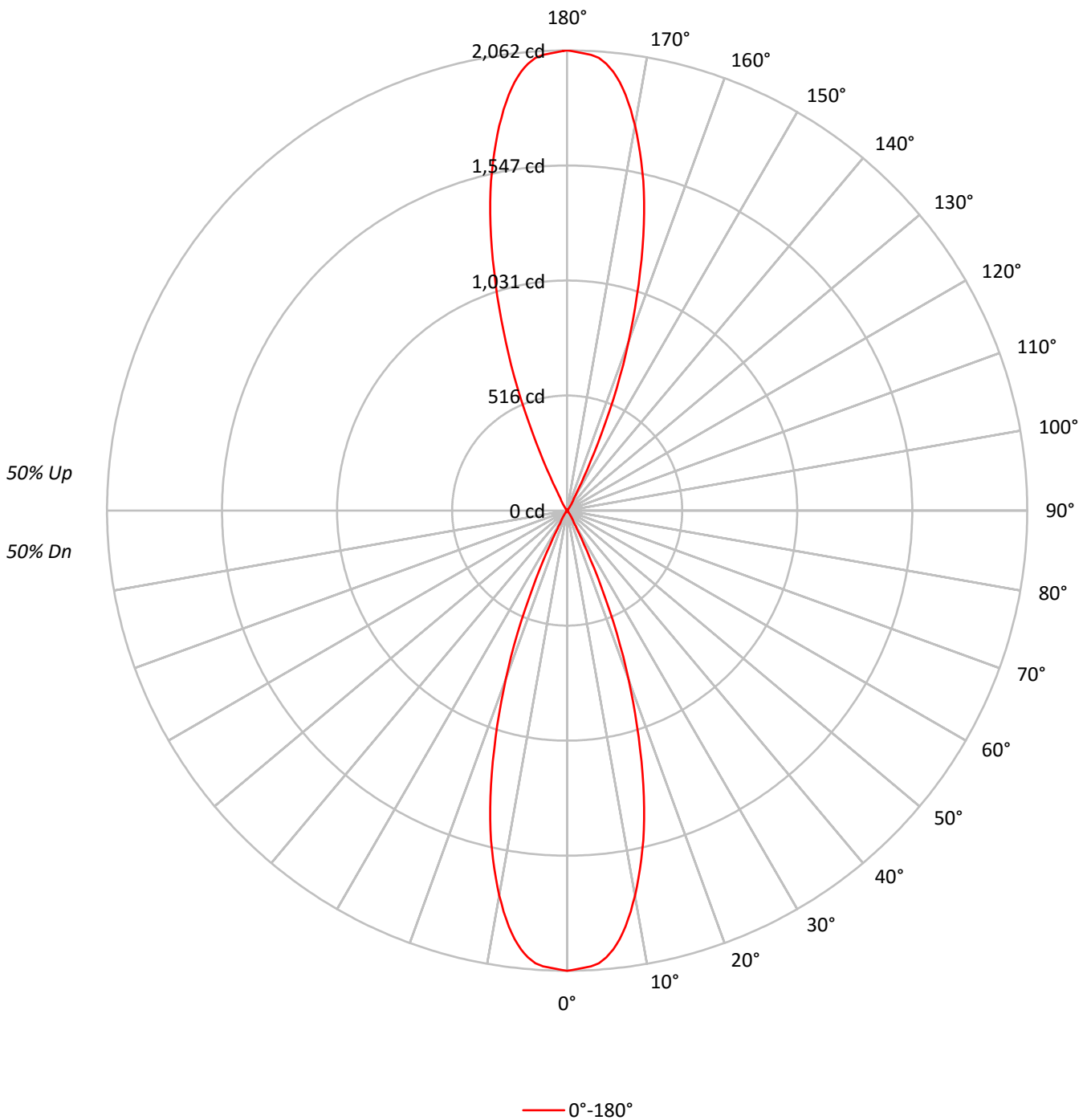
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	74		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	48	46		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	452201
5°	442460
10°	389973
15°	301296
20°	187126
25°	69319
30°	14509
35°	5461
40°	1975
45°	1333
50°	1194
55°	994
60°	746
65°	467
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	13.0
10°-20°	356.1	25.2
20°-30°	145.1	10.3
30°-40°	15.3	1.1
40°-50°	3.6	0.3
50°-60°	2.3	0.2
60°-70°	1.0	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°	1.0	0.1
120°-130°	2.3	0.2
130°-140°	3.6	0.3
140°-150°	15.3	1.1
150°-160°	145.1	10.3
160°-170°	356.1	25.2
170°-180°	183.6	13.0
0°-30°	684.8	48.4
0°-40°	700.1	49.5
0°-60°	706.0	49.9
0°-90°	707.2	50.0
90°-120°	1.3	0.1
90°-150°	22.5	1.6
90°-180°	707.0	50.0
0°-180°	1414.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2062	
5°	2010	184
15°	1327	356
25°	286	145
35°	20	15
45°	4	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	4
145°	20	15
155°	286	145
165°	1327	356
175°	2010	184
180°	2062	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2062.2
1°	2057.0
2°	2050.9
3°	2045.3
4°	2034.0
5°	2010.1
6°	1977.6
7°	1935.0
8°	1880.8
9°	1819.1
10°	1751.4
11°	1677.1
12°	1598.1
13°	1515.6
14°	1425.3
15°	1327.2
16°	1227.4
17°	1116.6
18°	1013.3
19°	905.6
20°	801.9
21°	700.7
22°	593.5
23°	484.1
24°	380.3
25°	286.5
26°	205.4
27°	139.8
28°	92.5
29°	68.6
30°	57.3
32.5°	37.8
35°	20.4
37.5°	11.3
40°	6.9
42.5°	5.2
45°	4.3
47.5°	3.9
50°	3.5
52.5°	3.0
55°	2.6
57.5°	2.2
60°	1.7
62.5°	1.3
65°	0.9



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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°	0.9
117.5°	1.3
120°	1.7
122.5°	2.2
125°	2.6
127.5°	3.0
130°	3.5
132.5°	3.9
135°	4.3
137.5°	5.2
140°	6.9
142.5°	11.3
145°	20.4
147.5°	37.8
150°	57.3
151°	68.6
152°	92.5
153°	139.8
154°	205.4
155°	286.5
156°	380.3
157°	484.1
158°	593.5
159°	700.7
160°	801.9
161°	905.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1013.3
163°	1116.6
164°	1227.4
165°	1327.2
166°	1425.3
167°	1515.6
168°	1598.1
169°	1677.1
170°	1751.4
171°	1819.1
172°	1880.8
173°	1935.0
174°	1977.6
175°	2010.1
176°	2034.0
177°	2045.3
178°	2050.9
179°	2057.0
180°	2062.2

(END OF REPORT)