

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: P221467

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221467
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]-LED3597-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1630.2 lumens
Efficiency: N/A
Efficacy: 83.2 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

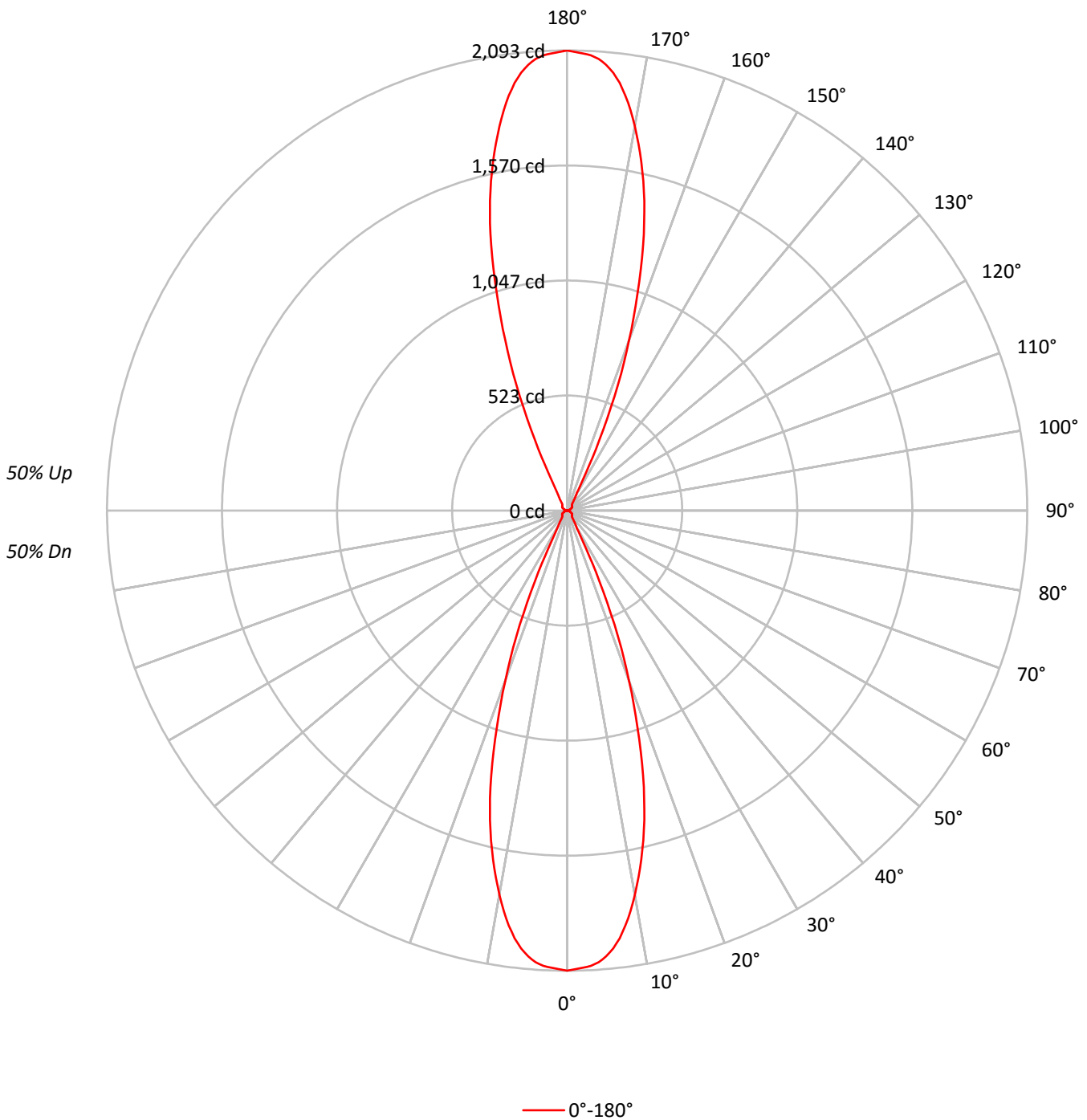
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	37	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°	458867
5°	448007
10°	395183
15°	307516
20°	192097
25°	75004
30°	20459
35°	11966
40°	9561
45°	9706
50°	10234
55°	10475
60°	10262
65°	9443
70°	8078
75°	7371
80°	8208
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	11.4
10°-20°	363.1	22.3
20°-30°	155.7	9.6
30°-40°	30.7	1.9
40°-50°	24.3	1.5
50°-60°	24.3	1.5
60°-70°	18.0	1.1
70°-80°	9.6	0.6
80°-90°	3.4	0.2
90°-100°	3.4	0.2
100°-110°	9.6	0.6
110°-120°	18.0	1.1
120°-130°	24.3	1.5
130°-140°	24.3	1.5
140°-150°	30.7	1.9
150°-160°	155.7	9.6
160°-170°	363.1	22.3
170°-180°	186.0	11.4
0°-30°	704.8	43.2
0°-40°	735.5	45.1
0°-60°	784.1	48.1
0°-90°	815.1	50.0
90°-120°	30.9	1.9
90°-150°	110.3	6.8
90°-180°	815.0	50.0
0°-180°	1630.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2093	
5°	2035	186
15°	1355	363
25°	310	156
35°	45	31
45°	31	24
55°	27	24
65°	18	18
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	18	18
125°	27	24
135°	31	24
145°	45	31
155°	310	156
165°	1355	363
175°	2035	186
180°	2093	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2092.6
1°	2086.5
2°	2080.0
3°	2073.9
4°	2059.6
5°	2035.3
6°	2002.7
7°	1960.2
8°	1905.9
9°	1844.7
10°	1774.8
11°	1700.1
12°	1622.4
13°	1538.2
14°	1449.6
15°	1354.6
16°	1253.0
17°	1146.2
18°	1035.9
19°	927.8
20°	823.2
21°	723.7
22°	616.9
23°	507.5
24°	403.3
25°	310.0
26°	228.8
27°	161.9
28°	115.5
29°	91.6
30°	80.8
32.5°	61.2
35°	44.7
37.5°	36.5
40°	33.4
42.5°	32.1
45°	31.3
47.5°	30.8
50°	30.0
52.5°	28.7
55°	27.4
57.5°	25.6
60°	23.4
62.5°	21.3
65°	18.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.2
70°	12.6
72.5°	10.4
75°	8.7
77.5°	7.8
80°	6.5
82.5°	4.8
85°	3.0
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.0
97.5°	4.8
100°	6.5
102.5°	7.8
105°	8.7
107.5°	10.4
110°	12.6
112.5°	15.2
115°	18.2
117.5°	21.3
120°	23.4
122.5°	25.6
125°	27.4
127.5°	28.7
130°	30.0
132.5°	30.8
135°	31.3
137.5°	32.1
140°	33.4
142.5°	36.5
145°	44.7
147.5°	61.2
150°	80.8
151°	91.6
152°	115.5
153°	161.9
154°	228.8
155°	310.0
156°	403.3
157°	507.5
158°	616.9
159°	723.7
160°	823.2
161°	927.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1035.9
163°	1146.2
164°	1253.0
165°	1354.6
166°	1449.6
167°	1538.2
168°	1622.4
169°	1700.1
170°	1774.8
171°	1844.7
172°	1905.9
173°	1960.2
174°	2002.7
175°	2035.3
176°	2059.6
177°	2073.9
178°	2080.0
179°	2086.5
180°	2092.6

(END OF REPORT)