

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: P221648

Luminaire Tested: **9003-W2-FL-LED3597-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3597-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2609.4 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

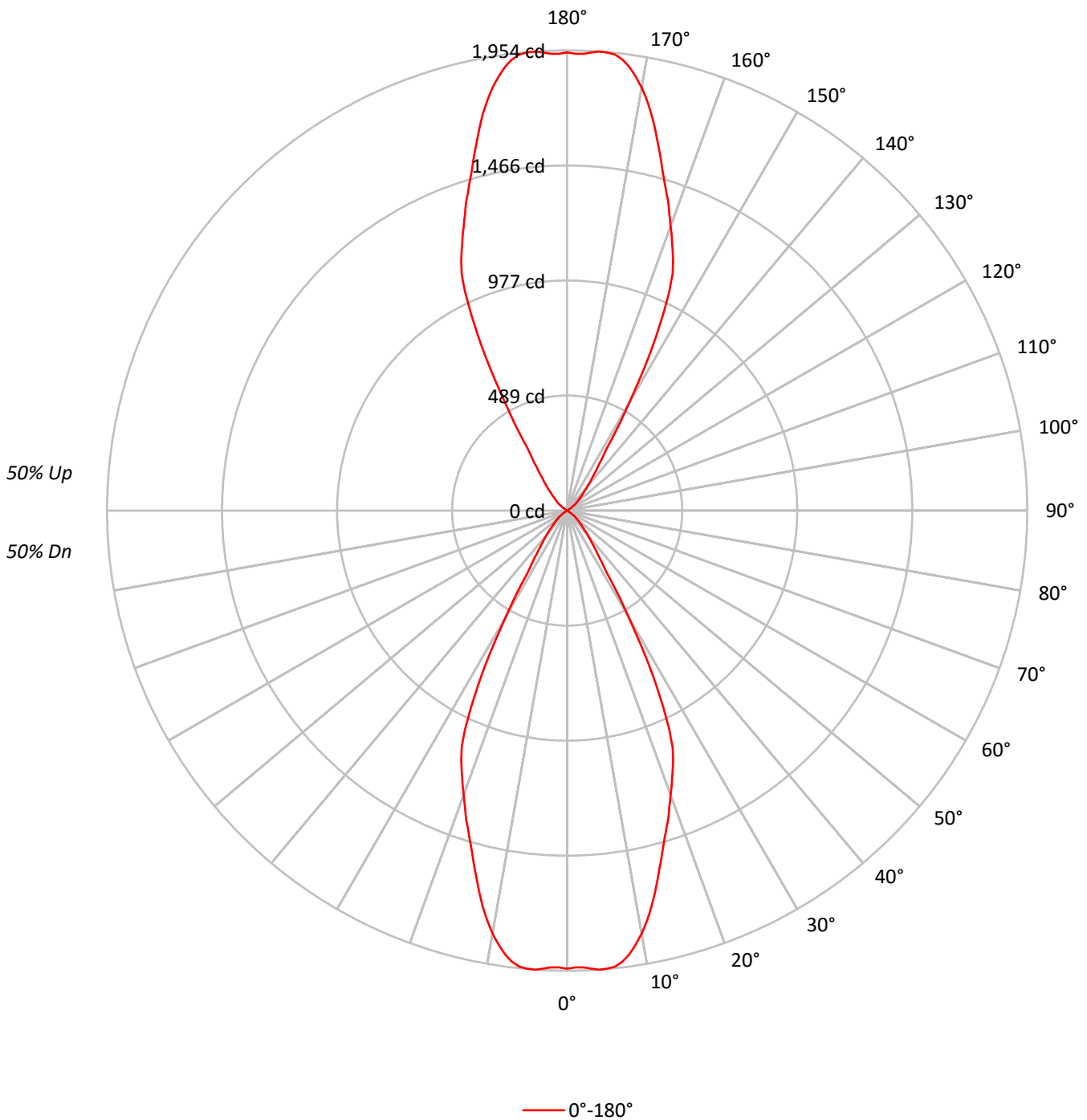
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	426611
5°	429825
10°	406094
15°	349332
20°	299859
25°	248143
30°	132375
35°	60231
40°	38501
45°	25336
50°	17739
55°	8869
60°	2105
65°	2075
70°	2052
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	7.0
10°-20°	430.3	16.5
20°-30°	439.8	16.9
30°-40°	159.3	6.1
40°-50°	65.6	2.5
50°-60°	21.2	0.8
60°-70°	3.8	0.1
70°-80°	1.8	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.8	0.1
110°-120°	3.8	0.1
120°-130°	21.2	0.8
130°-140°	65.6	2.5
140°-150°	159.3	6.1
150°-160°	439.8	16.9
160°-170°	430.3	16.5
170°-180°	182.5	7.0
0°-30°	1052.6	40.3
0°-40°	1211.8	46.4
0°-60°	1298.6	49.8
0°-90°	1304.7	50.0
90°-120°	6.1	0.2
90°-150°	252.1	9.7
90°-180°	1305.0	50.0
0°-180°	2609.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1946	
5°	1953	182
15°	1539	430
25°	1026	440
35°	225	159
45°	82	66
55°	23	21
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	23	21
135°	82	66
145°	225	159
155°	1026	440
165°	1539	430
175°	1953	182
180°	1946	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1945.5
1°	1939.9
2°	1940.7
3°	1947.9
4°	1954.3
5°	1952.7
6°	1947.1
7°	1929.5
8°	1901.5
9°	1864.6
10°	1823.8
11°	1775.0
12°	1721.3
13°	1661.3
14°	1598.8
15°	1538.8
16°	1481.1
17°	1430.7
18°	1384.3
19°	1333.0
20°	1285.0
21°	1239.4
22°	1194.5
23°	1151.3
24°	1100.0
25°	1025.6
26°	934.3
27°	835.0
28°	730.2
29°	624.5
30°	522.8
32.5°	313.8
35°	225.0
37.5°	173.7
40°	134.5
42.5°	102.5
45°	81.7
47.5°	65.7
50°	52.0
52.5°	38.4
55°	23.2
57.5°	6.4
60°	4.8
62.5°	4.0
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	3.2
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	2.4
110°	3.2
112.5°	3.2
115°	4.0
117.5°	4.0
120°	4.8
122.5°	6.4
125°	23.2
127.5°	38.4
130°	52.0
132.5°	65.7
135°	81.7
137.5°	102.5
140°	134.5
142.5°	173.7
145°	225.0
147.5°	313.8
150°	522.8
151°	624.5
152°	730.2
153°	835.0
154°	934.3
155°	1025.6
156°	1100.0
157°	1151.3
158°	1194.5
159°	1239.4
160°	1285.0
161°	1333.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1384.3
163°	1430.7
164°	1481.1
165°	1538.8
166°	1598.8
167°	1661.3
168°	1721.3
169°	1775.0
170°	1823.8
171°	1864.6
172°	1901.5
173°	1929.5
174°	1947.1
175°	1952.7
176°	1954.3
177°	1947.9
178°	1940.7
179°	1939.9
180°	1945.5

(END OF REPORT)