

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: P221630

Luminaire Tested: **9003-W2-FL-LED3590-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221630
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-LED3590-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.4 lumens
Efficiency: N/A
Efficacy: 65.5 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

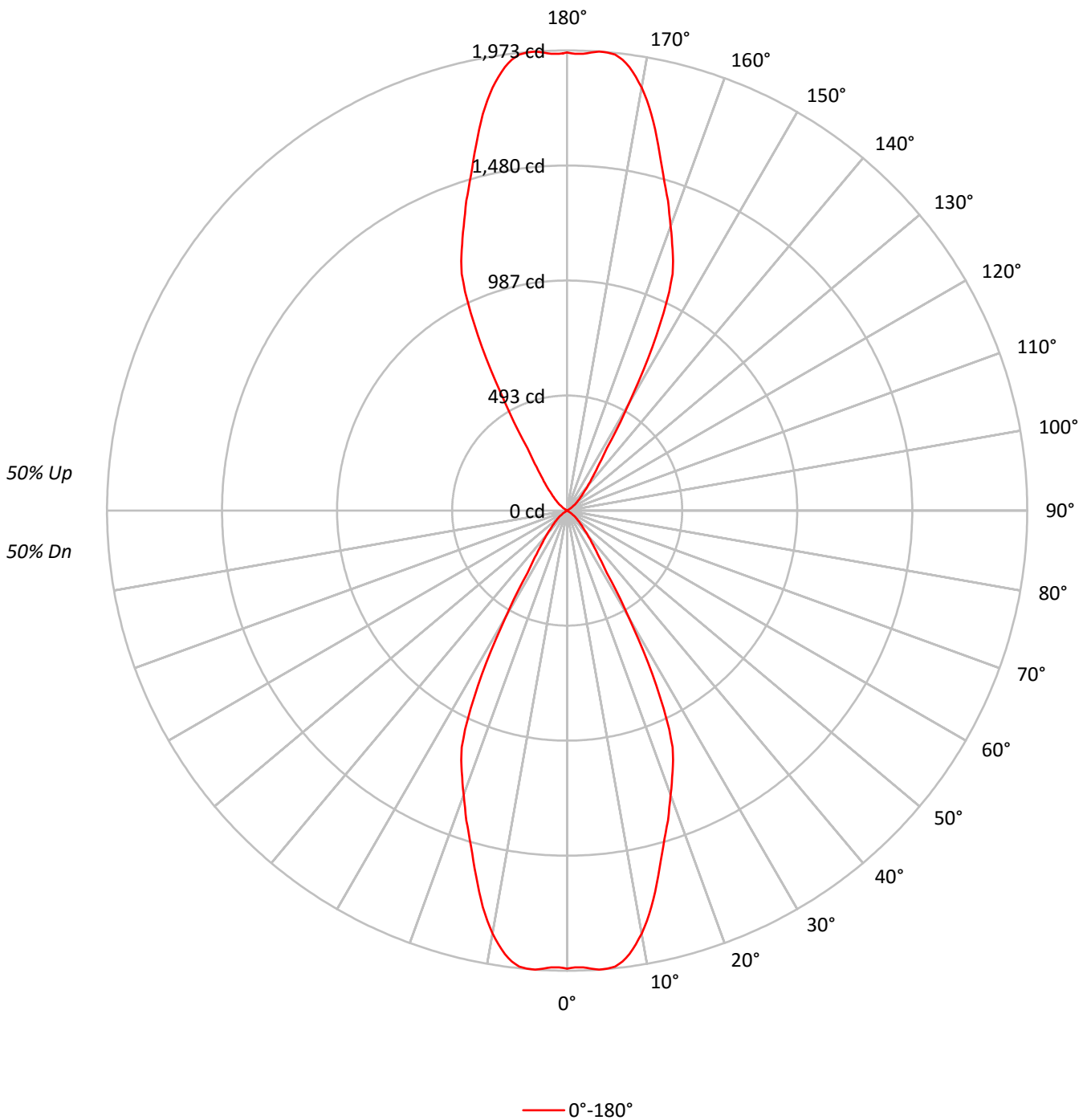
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	44	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°	430711
5°	433963
10°	410012
15°	352692
20°	302753
25°	250539
30°	133641
35°	60793
40°	38873
45°	25553
50°	17910
55°	8946
60°	2105
65°	2075
70°	2052
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	7.0
10°-20°	434.5	16.5
20°-30°	444.0	16.9
30°-40°	160.8	6.1
40°-50°	66.2	2.5
50°-60°	21.4	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°	21.4	0.8
130°-140°	66.2	2.5
140°-150°	160.8	6.1
150°-160°	444.0	16.9
160°-170°	434.5	16.5
170°-180°	184.2	7.0
0°-30°	1062.7	40.3
0°-40°	1223.5	46.4
0°-60°	1311.1	49.8
0°-90°	1317.2	50.0
90°-120°	6.1	0.2
90°-150°	254.5	9.7
90°-180°	1317.0	50.0
0°-180°	2634.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1964	
5°	1972	184
15°	1554	434
25°	1036	444
35°	227	161
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°	227	161
155°	1036	444
165°	1554	434
175°	1972	184
180°	1964	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1964.2
1°	1958.6
2°	1959.4
3°	1966.7
4°	1973.1
5°	1971.5
6°	1965.8
7°	1948.1
8°	1919.8
9°	1882.6
10°	1841.4
11°	1792.1
12°	1737.9
13°	1677.3
14°	1614.2
15°	1553.6
16°	1495.4
17°	1444.5
18°	1397.6
19°	1345.9
20°	1297.4
21°	1251.3
22°	1206.0
23°	1162.4
24°	1110.6
25°	1035.5
26°	943.3
27°	843.1
28°	737.2
29°	630.5
30°	527.8
32.5°	316.9
35°	227.1
37.5°	175.4
40°	135.8
42.5°	103.5
45°	82.4
47.5°	66.3
50°	52.5
52.5°	38.8
55°	23.4
57.5°	6.5
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°	6.5
125°	23.4
127.5°	38.8
130°	52.5
132.5°	66.3
135°	82.4
137.5°	103.5
140°	135.8
142.5°	175.4
145°	227.1
147.5°	316.9
150°	527.8
151°	630.5
152°	737.2
153°	843.1
154°	943.3
155°	1035.5
156°	1110.6
157°	1162.4
158°	1206.0
159°	1251.3
160°	1297.4
161°	1345.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1397.6
163°	1444.5
164°	1495.4
165°	1553.6
166°	1614.2
167°	1677.3
168°	1737.9
169°	1792.1
170°	1841.4
171°	1882.6
172°	1919.8
173°	1948.1
174°	1965.8
175°	1971.5
176°	1973.1
177°	1966.7
178°	1959.4
179°	1958.6
180°	1964.2

(END OF REPORT)