

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: P221598

Luminaire Tested: **9003-W2-FL-LED3090-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221598
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-LED3090-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2601.1 lumens
Efficiency: N/A
Efficacy: 64.7 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

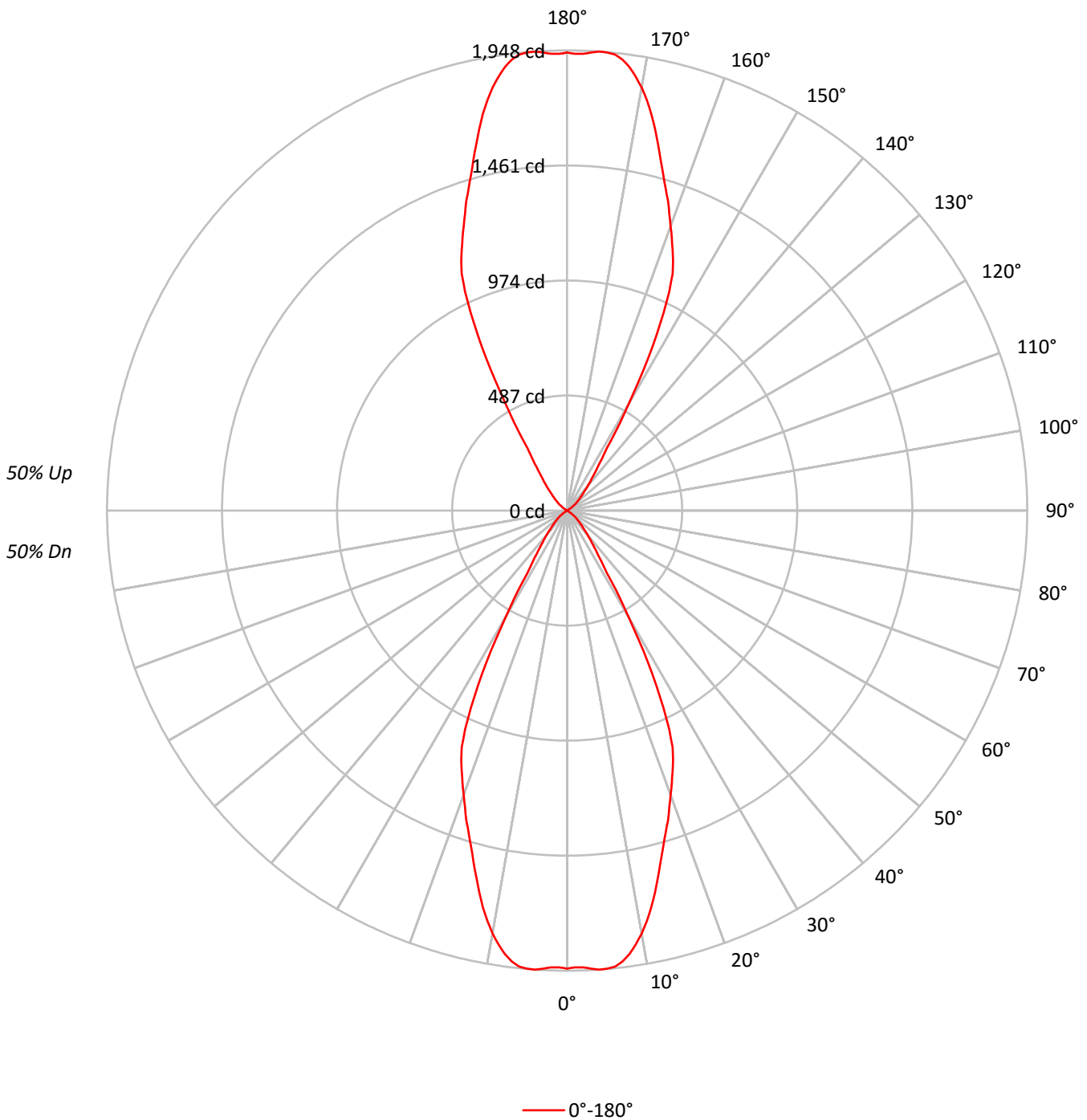
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	425251
5°	428460
10°	404802
15°	348220
20°	298903
25°	247345
30°	131944
35°	60043
40°	38386
45°	25243
50°	17705
55°	8831
60°	2105
65°	2075
70°	2052
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	7.0
10°-20°	429.0	16.5
20°-30°	438.3	16.9
30°-40°	158.8	6.1
40°-50°	65.4	2.5
50°-60°	21.1	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°	21.1	0.8
130°-140°	65.4	2.5
140°-150°	158.8	6.1
150°-160°	438.3	16.9
160°-170°	429.0	16.5
170°-180°	181.9	7.0
0°-30°	1049.2	40.3
0°-40°	1208.0	46.4
0°-60°	1294.5	49.8
0°-90°	1300.5	50.0
90°-120°	6.1	0.2
90°-150°	251.4	9.7
90°-180°	1301.0	50.0
0°-180°	2601.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1939	
5°	1946	182
15°	1534	429
25°	1022	438
35°	224	159
45°	81	65
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°	81	65
145°	224	159
155°	1022	438
165°	1534	429
175°	1946	182
180°	1939	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1939.3
1°	1933.7
2°	1934.5
3°	1941.7
4°	1948.1
5°	1946.5
6°	1940.9
7°	1923.3
8°	1895.4
9°	1858.7
10°	1818.0
11°	1769.3
12°	1715.8
13°	1656.0
14°	1593.7
15°	1533.9
16°	1476.4
17°	1426.1
18°	1379.9
19°	1328.8
20°	1280.9
21°	1235.4
22°	1190.7
23°	1147.6
24°	1096.5
25°	1022.3
26°	931.3
27°	832.4
28°	727.8
29°	622.5
30°	521.1
32.5°	312.8
35°	224.3
37.5°	173.2
40°	134.1
42.5°	102.2
45°	81.4
47.5°	65.4
50°	51.9
52.5°	38.3
55°	23.1
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°	23.1
127.5°	38.3
130°	51.9
132.5°	65.4
135°	81.4
137.5°	102.2
140°	134.1
142.5°	173.2
145°	224.3
147.5°	312.8
150°	521.1
151°	622.5
152°	727.8
153°	832.4
154°	931.3
155°	1022.3
156°	1096.5
157°	1147.6
158°	1190.7
159°	1235.4
160°	1280.9
161°	1328.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1379.9
163°	1426.1
164°	1476.4
165°	1533.9
166°	1593.7
167°	1656.0
168°	1715.8
169°	1769.3
170°	1818.0
171°	1858.7
172°	1895.4
173°	1923.3
174°	1940.9
175°	1946.5
176°	1948.1
177°	1941.7
178°	1934.5
179°	1933.7
180°	1939.3

(END OF REPORT)