

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: P221602

Luminaire Tested: **9003-W2-FL-LED3097-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522.7 lumens
Efficiency: N/A
Efficacy: 62.8 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

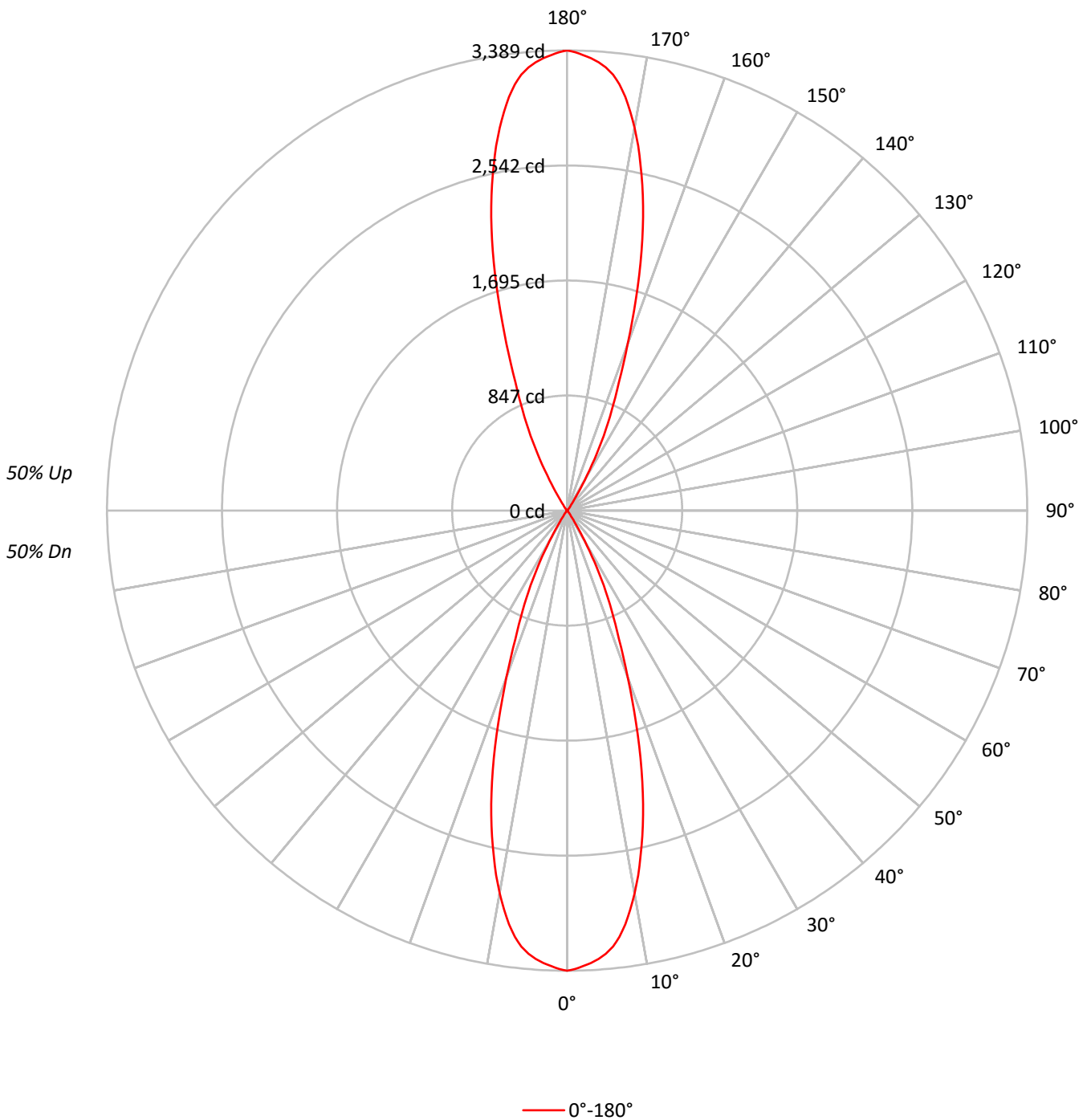
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	71	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	42	39
7	72	62	56	52	67	59	54	50	54	50	47		48	45	43		43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42		44	41	39		40	38	37	35
10	62	53	47	44	59	51	46	42	46	43	40		42	40	38		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	743076
5°	721064
10°	637463
15°	489515
20°	304713
25°	171808
30°	65225
35°	13974
40°	5467
45°	1737
50°	1433
55°	1070
60°	921
65°	1090
70°	898
75°	1186
80°	884
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	11.9
10°-20°	578.6	22.9
20°-30°	322.6	12.8
30°-40°	48.8	1.9
40°-50°	5.4	0.2
50°-60°	2.7	0.1
60°-70°	1.8	0.1
70°-80°	1.2	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.2	0.0
110°-120°	1.8	0.1
120°-130°	2.7	0.1
130°-140°	5.4	0.2
140°-150°	48.8	1.9
150°-160°	322.6	12.8
160°-170°	578.6	22.9
170°-180°	299.9	11.9
0°-30°	1201.1	47.6
0°-40°	1249.9	49.5
0°-60°	1258.0	49.9
0°-90°	1261.3	50.0
90°-120°	3.5	0.1
90°-150°	60.4	2.4
90°-180°	1262.0	50.0
0°-180°	2522.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3389	
5°	3276	300
15°	2156	579
25°	710	323
35°	52	49
45°	6	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	6	5
145°	52	49
155°	710	323
165°	2156	579
175°	3276	300
180°	3389	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3388.7
1°	3376.7
2°	3357.0
3°	3336.5
4°	3310.4
5°	3275.8
6°	3229.2
7°	3162.2
8°	3076.0
9°	2974.4
10°	2862.9
11°	2738.0
12°	2602.4
13°	2462.0
14°	2311.6
15°	2156.3
16°	1988.3
17°	1814.7
18°	1638.3
19°	1469.6
20°	1305.8
21°	1154.0
22°	1019.9
23°	907.0
24°	808.9
25°	710.1
26°	613.4
27°	519.5
28°	428.4
29°	340.9
30°	257.6
32.5°	103.1
35°	52.2
37.5°	32.5
40°	19.1
42.5°	7.1
45°	5.6
47.5°	4.2
50°	4.2
52.5°	3.5
55°	2.8
57.5°	2.8
60°	2.1
62.5°	2.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	1.4
110°	1.4
112.5°	1.4
115°	2.1
117.5°	2.1
120°	2.1
122.5°	2.8
125°	2.8
127.5°	3.5
130°	4.2
132.5°	4.2
135°	5.6
137.5°	7.1
140°	19.1
142.5°	32.5
145°	52.2
147.5°	103.1
150°	257.6
151°	340.9
152°	428.4
153°	519.5
154°	613.4
155°	710.1
156°	808.9
157°	907.0
158°	1019.9
159°	1154.0
160°	1305.8
161°	1469.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1638.3
163°	1814.7
164°	1988.3
165°	2156.3
166°	2311.6
167°	2462.0
168°	2602.4
169°	2738.0
170°	2862.9
171°	2974.4
172°	3076.0
173°	3162.2
174°	3229.2
175°	3275.8
176°	3310.4
177°	3336.5
178°	3357.0
179°	3376.7
180°	3388.7

(END OF REPORT)