

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: P221423

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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]-LED3090-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.9 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

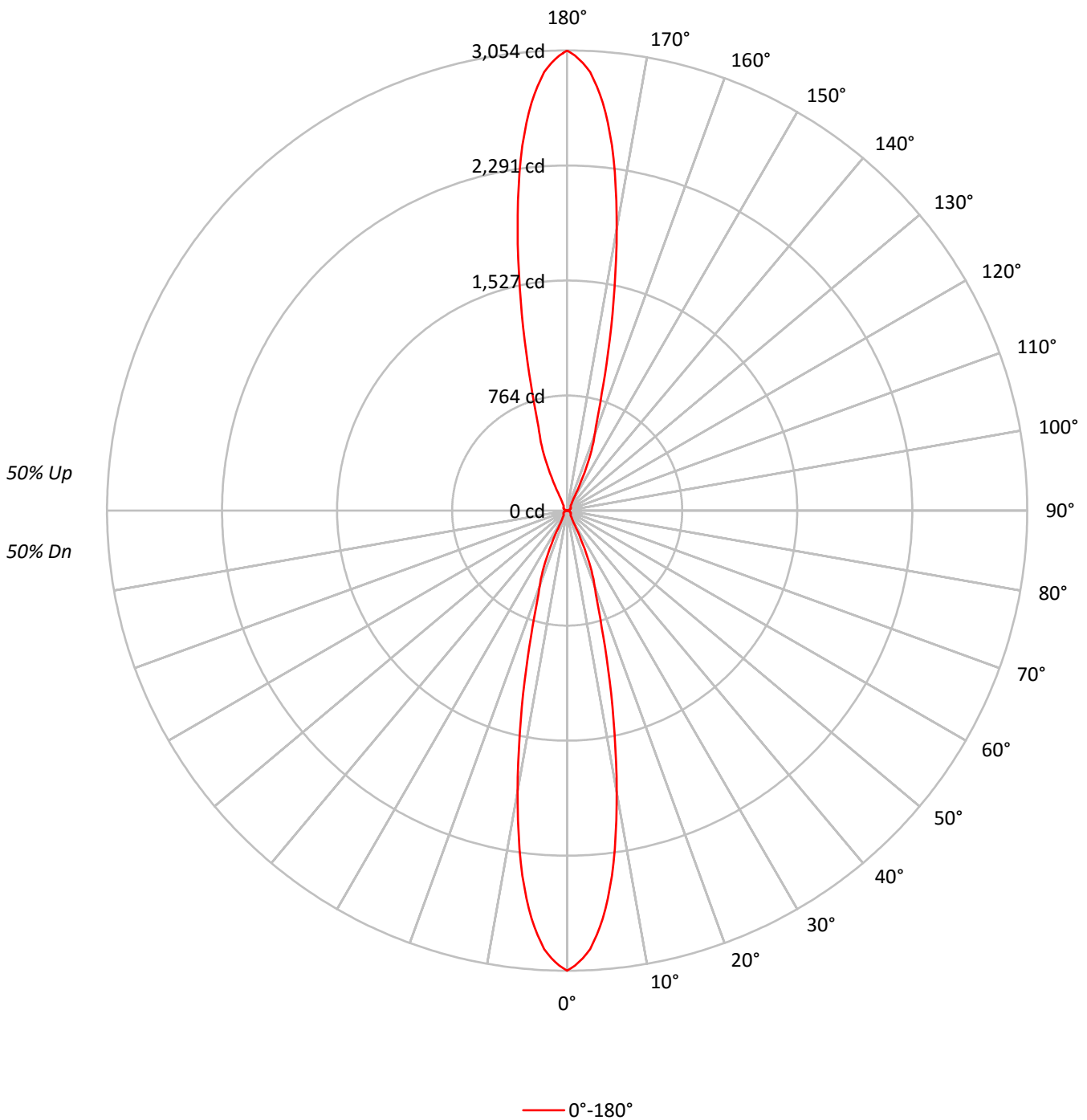
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	61	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	669595
5°	598237
10°	421769
15°	229218
20°	124004
25°	59157
30°	17091
35°	11109
40°	10162
45°	10482
50°	11087
55°	11737
60°	11578
65°	11000
70°	9168
75°	8049
80°	9345
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	15.5
10°-20°	284.9	19.0
20°-30°	114.0	7.6
30°-40°	28.5	1.9
40°-50°	26.2	1.8
50°-60°	27.0	1.8
60°-70°	20.5	1.4
70°-80°	10.6	0.7
80°-90°	3.8	0.3
90°-100°	3.8	0.3
100°-110°	10.6	0.7
110°-120°	20.5	1.4
120°-130°	27.0	1.8
130°-140°	26.2	1.8
140°-150°	28.5	1.9
150°-160°	114.0	7.6
160°-170°	284.9	19.0
170°-180°	232.7	15.5
0°-30°	631.6	42.2
0°-40°	660.2	44.1
0°-60°	713.4	47.7
0°-90°	748.4	50.0
90°-120°	35.0	2.3
90°-150°	116.8	7.8
90°-180°	748.0	50.0
0°-180°	1496.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3054	
5°	2718	233
15°	1010	285
25°	244	114
35°	42	29
45°	34	26
55°	31	27
65°	21	21
75°	10	11
85°	4	4
90°	0	0
95°	4	4
105°	10	11
115°	21	21
125°	31	27
135°	34	26
145°	42	29
155°	244	114
165°	1010	285
175°	2718	233
180°	3054	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3053.6
1°	3019.9
2°	2974.4
3°	2915.1
4°	2822.5
5°	2717.8
6°	2586.7
7°	2441.3
8°	2269.9
9°	2082.9
10°	1894.2
11°	1702.1
12°	1513.0
13°	1336.4
14°	1165.9
15°	1009.7
16°	868.1
17°	753.0
18°	659.1
19°	586.0
20°	531.4
21°	485.6
22°	433.2
23°	373.0
24°	308.1
25°	244.5
26°	183.1
27°	130.7
28°	92.2
29°	74.4
30°	67.5
32.5°	54.1
35°	41.5
37.5°	37.2
40°	35.5
42.5°	34.6
45°	33.8
47.5°	33.3
50°	32.5
52.5°	32.0
55°	30.7
57.5°	28.6
60°	26.4
62.5°	24.2
65°	21.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.3
70°	14.3
72.5°	11.3
75°	9.5
77.5°	8.7
80°	7.4
82.5°	5.2
85°	3.5
87.5°	1.7
90°	0.0
92.5°	1.7
95°	3.5
97.5°	5.2
100°	7.4
102.5°	8.7
105°	9.5
107.5°	11.3
110°	14.3
112.5°	17.3
115°	21.2
117.5°	24.2
120°	26.4
122.5°	28.6
125°	30.7
127.5°	32.0
130°	32.5
132.5°	33.3
135°	33.8
137.5°	34.6
140°	35.5
142.5°	37.2
145°	41.5
147.5°	54.1
150°	67.5
151°	74.4
152°	92.2
153°	130.7
154°	183.1
155°	244.5
156°	308.1
157°	373.0
158°	433.2
159°	485.6
160°	531.4
161°	586.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	659.1
163°	753.0
164°	868.1
165°	1009.7
166°	1165.9
167°	1336.4
168°	1513.0
169°	1702.1
170°	1894.2
171°	2082.9
172°	2269.9
173°	2441.3
174°	2586.7
175°	2717.8
176°	2822.5
177°	2915.1
178°	2974.4
179°	3019.9
180°	3053.6

(END OF REPORT)