

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: P221392

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221392
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]-LED2790-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 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): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

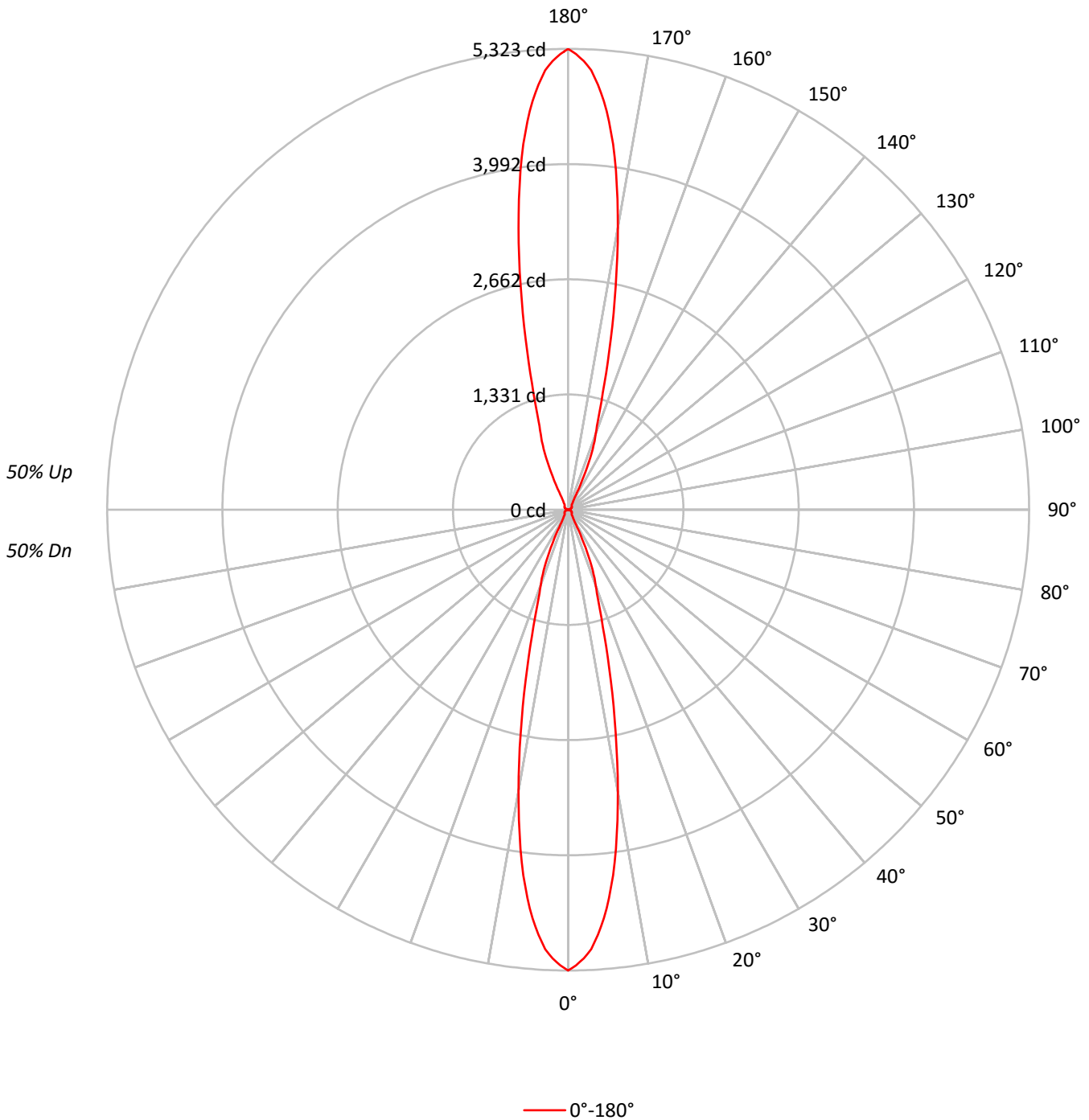
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1167297
5°	1042898
10°	735279
15°	399571
20°	216202
25°	103143
30°	29802
35°	19381
40°	17719
45°	18234
50°	19309
55°	20492
60°	20174
65°	19198
70°	15964
75°	14064
80°	16164
85°	15096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.7	15.5
10°-20°	496.7	19.0
20°-30°	198.7	7.6
30°-40°	49.8	1.9
40°-50°	45.7	1.8
50°-60°	47.1	1.8
60°-70°	35.8	1.4
70°-80°	18.5	0.7
80°-90°	6.7	0.3
90°-100°	6.7	0.3
100°-110°	18.5	0.7
110°-120°	35.8	1.4
120°-130°	47.1	1.8
130°-140°	45.7	1.8
140°-150°	49.8	1.9
150°-160°	198.7	7.6
160°-170°	496.7	19.0
170°-180°	405.7	15.5
0°-30°	1101.1	42.2
0°-40°	1150.9	44.1
0°-60°	1243.7	47.7
0°-90°	1304.7	50.0
90°-120°	61.0	2.3
90°-150°	203.6	7.8
90°-180°	1305.0	50.0
0°-180°	2609.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5323	
5°	4738	406
15°	1760	497
25°	426	199
35°	72	50
45°	59	46
55°	54	47
65°	37	36
75°	17	19
85°	6	6
90°	0	1
95°	6	6
105°	17	19
115°	37	36
125°	54	47
135°	59	46
145°	72	50
155°	426	199
165°	1760	497
175°	4738	406
180°	5323	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5323.3
1°	5264.5
2°	5185.3
3°	5081.9
4°	4920.5
5°	4737.9
6°	4509.3
7°	4255.8
8°	3957.0
9°	3631.1
10°	3302.2
11°	2967.2
12°	2637.5
13°	2329.7
14°	2032.5
15°	1760.1
16°	1513.4
17°	1312.7
18°	1149.0
19°	1021.5
20°	926.5
21°	846.5
22°	755.2
23°	650.3
24°	537.2
25°	426.3
26°	319.1
27°	227.8
28°	160.7
29°	129.8
30°	117.7
32.5°	94.3
35°	72.4
37.5°	64.9
40°	61.9
42.5°	60.4
45°	58.8
47.5°	58.1
50°	56.6
52.5°	55.8
55°	53.6
57.5°	49.8
60°	46.0
62.5°	42.2
65°	37.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	30.2
70°	24.9
72.5°	19.6
75°	16.6
77.5°	15.1
80°	12.8
82.5°	9.1
85°	6.0
87.5°	3.0
90°	0.0
92.5°	3.0
95°	6.0
97.5°	9.1
100°	12.8
102.5°	15.1
105°	16.6
107.5°	19.6
110°	24.9
112.5°	30.2
115°	37.0
117.5°	42.2
120°	46.0
122.5°	49.8
125°	53.6
127.5°	55.8
130°	56.6
132.5°	58.1
135°	58.8
137.5°	60.4
140°	61.9
142.5°	64.9
145°	72.4
147.5°	94.3
150°	117.7
151°	129.8
152°	160.7
153°	227.8
154°	319.1
155°	426.3
156°	537.2
157°	650.3
158°	755.2
159°	846.5
160°	926.5
161°	1021.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1149.0
163°	1312.7
164°	1513.4
165°	1760.1
166°	2032.5
167°	2329.7
168°	2637.5
169°	2967.2
170°	3302.2
171°	3631.1
172°	3957.0
173°	4255.8
174°	4509.3
175°	4737.9
176°	4920.5
177°	5081.9
178°	5185.3
179°	5264.5
180°	5323.3

(END OF REPORT)