

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: P221385

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1332.7 lumens
Efficiency: N/A
Efficacy: 68.0 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

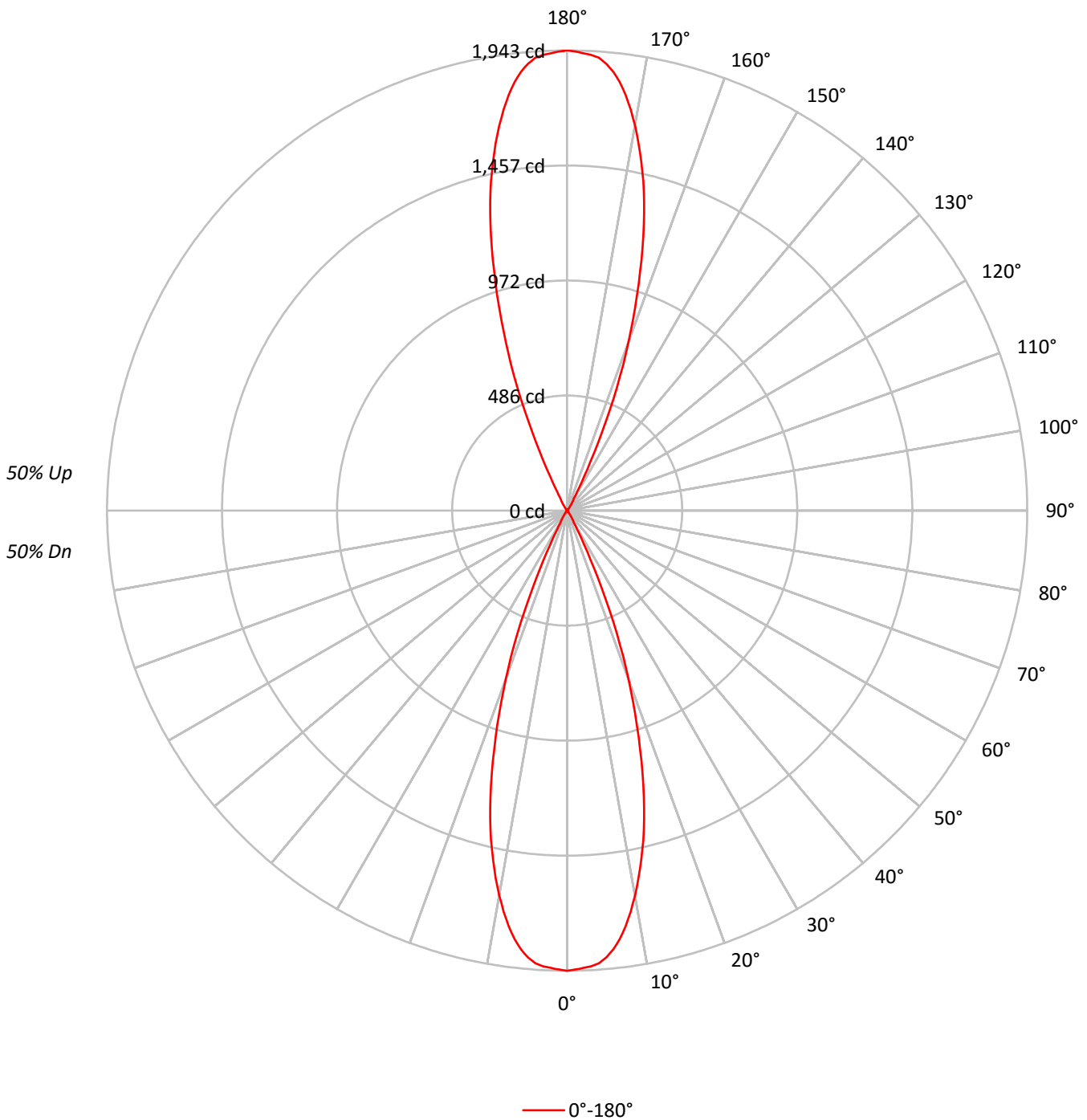
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	95	92	93	91	88	86	77	76	74	65	64	64	54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58	56	54	52	49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54	53	51	49	47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51	51	48	46	45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48	49	46	44	44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45	47	44	42	42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43	45	42	41	41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41	44	41	39	40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	426128
5°	416948
10°	367484
15°	283929
20°	176322
25°	65326
30°	13673
35°	5140
40°	1861
45°	1271
50°	1126
55°	956
60°	702
65°	415
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	13.0
10°-20°	335.6	25.2
20°-30°	136.7	10.3
30°-40°	14.4	1.1
40°-50°	3.4	0.3
50°-60°	2.2	0.2
60°-70°	0.9	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	0.9	0.1
120°-130°	2.2	0.2
130°-140°	3.4	0.3
140°-150°	14.4	1.1
150°-160°	136.7	10.3
160°-170°	335.6	25.2
170°-180°	173.0	13.0
0°-30°	645.3	48.4
0°-40°	659.7	49.5
0°-60°	665.3	49.9
0°-90°	666.4	50.0
90°-120°	1.2	0.1
90°-150°	21.2	1.6
90°-180°	666.0	50.0
0°-180°	1332.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1943	
5°	1894	173
15°	1251	336
25°	270	137
35°	19	14
45°	4	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	2	2
135°	4	3
145°	19	14
155°	270	137
165°	1251	336
175°	1894	173
180°	1943	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1943.3
1°	1938.4
2°	1932.7
3°	1927.3
4°	1916.7
5°	1894.2
6°	1863.5
7°	1823.4
8°	1772.3
9°	1714.2
10°	1650.4
11°	1580.4
12°	1505.9
13°	1428.2
14°	1343.1
15°	1250.7
16°	1156.6
17°	1052.2
18°	954.9
19°	853.4
20°	755.6
21°	660.3
22°	559.3
23°	456.2
24°	358.4
25°	270.0
26°	193.5
27°	131.7
28°	87.1
29°	64.6
30°	54.0
32.5°	35.6
35°	19.2
37.5°	10.6
40°	6.5
42.5°	4.9
45°	4.1
47.5°	3.7
50°	3.3
52.5°	2.9
55°	2.5
57.5°	2.0
60°	1.6
62.5°	1.2
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.8
115°	0.8
117.5°	1.2
120°	1.6
122.5°	2.0
125°	2.5
127.5°	2.9
130°	3.3
132.5°	3.7
135°	4.1
137.5°	4.9
140°	6.5
142.5°	10.6
145°	19.2
147.5°	35.6
150°	54.0
151°	64.6
152°	87.1
153°	131.7
154°	193.5
155°	270.0
156°	358.4
157°	456.2
158°	559.3
159°	660.3
160°	755.6
161°	853.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	954.9
163°	1052.2
164°	1156.6
165°	1250.7
166°	1343.1
167°	1428.2
168°	1505.9
169°	1580.4
170°	1650.4
171°	1714.2
172°	1772.3
173°	1823.4
174°	1863.5
175°	1894.2
176°	1916.7
177°	1927.3
178°	1932.7
179°	1938.4
180°	1943.3

(END OF REPORT)