

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: P221400

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2567.8 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

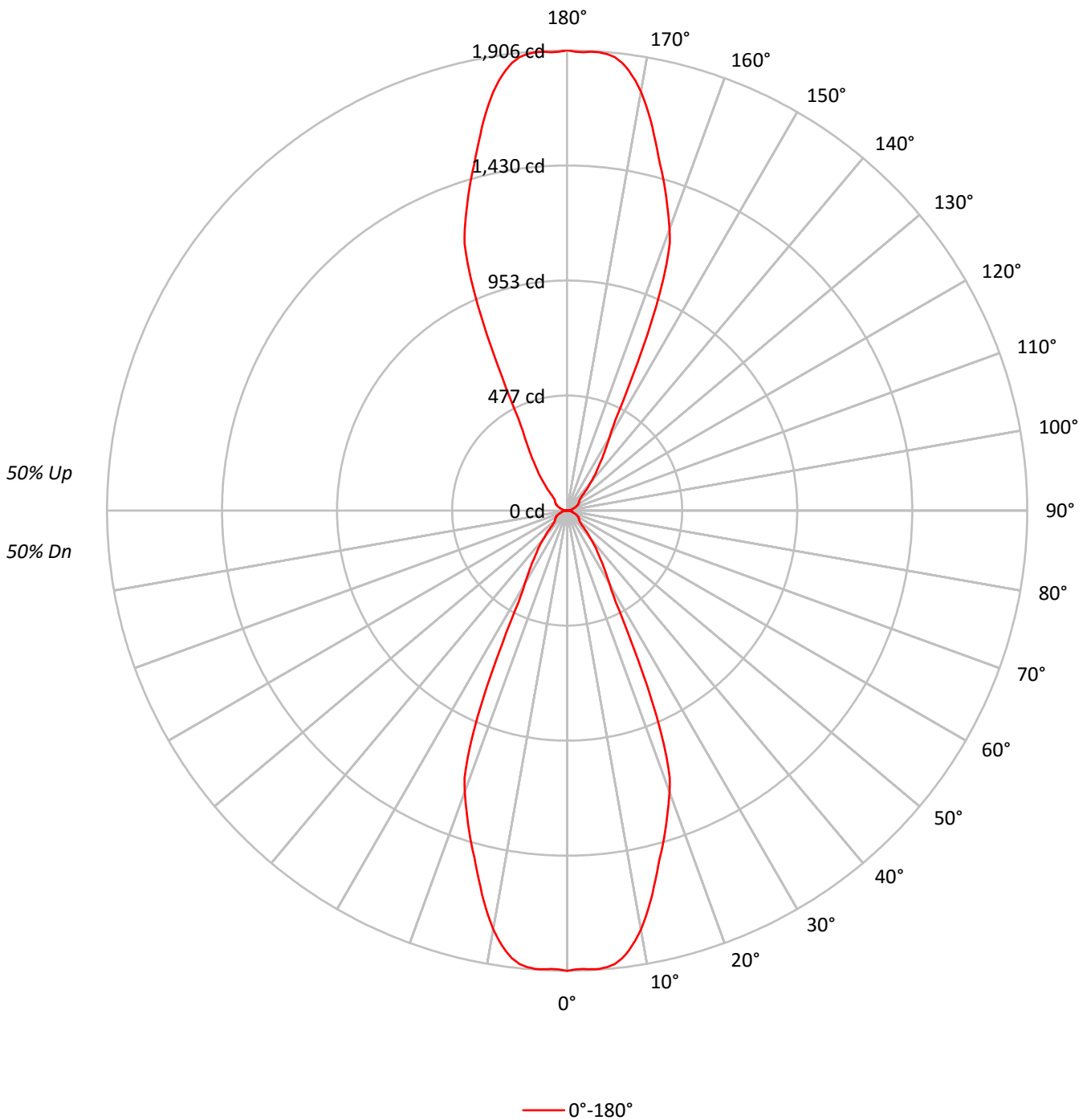
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	93	90	92	89	86	84	76	74	72		64	63	61		53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64		59	57	55		49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57		55	52	50		46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	46		43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47		48	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43		45	41	39		39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40		42	39	36		37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	418059
5°	417829
10°	392088
15°	337232
20°	289615
25°	178341
30°	89026
35°	62399
40°	43396
45°	27848
50°	22652
55°	23091
60°	23507
65°	22726
70°	20324
75°	19148
80°	20962
85°	20882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	6.9
10°-20°	415.7	16.2
20°-30°	337.4	13.1
30°-40°	149.2	5.8
40°-50°	74.8	2.9
50°-60°	53.8	2.1
60°-70°	42.7	1.7
70°-80°	24.3	0.9
80°-90°	9.0	0.4
90°-100°	9.0	0.4
100°-110°	24.3	0.9
110°-120°	42.7	1.7
120°-130°	53.8	2.1
130°-140°	74.8	2.9
140°-150°	149.2	5.8
150°-160°	337.4	13.1
160°-170°	415.7	16.2
170°-180°	177.0	6.9
0°-30°	930.1	36.2
0°-40°	1079.3	42.0
0°-60°	1207.9	47.0
0°-90°	1283.9	50.0
90°-120°	76.0	3.0
90°-150°	353.8	13.8
90°-180°	1284.0	50.0
0°-180°	2567.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1906	
5°	1898	177
15°	1486	416
25°	737	337
35°	233	149
45°	90	75
55°	60	54
65°	44	43
75°	23	24
85°	8	9
90°	0	1
95°	8	9
105°	23	24
115°	44	43
125°	60	54
135°	90	75
145°	233	149
155°	737	337
165°	1486	416
175°	1898	177
180°	1906	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1906.5
1°	1901.2
2°	1899.7
3°	1902.7
4°	1902.7
5°	1898.2
6°	1888.4
7°	1868.7
8°	1840.1
9°	1803.1
10°	1760.9
11°	1711.8
12°	1657.5
13°	1598.7
14°	1540.6
15°	1485.5
16°	1438.0
17°	1388.2
18°	1338.4
19°	1288.6
20°	1241.1
21°	1186.0
22°	1099.2
23°	987.6
24°	865.3
25°	737.1
26°	616.4
27°	509.2
28°	427.8
29°	381.0
30°	351.6
32.5°	288.2
35°	233.1
37.5°	192.4
40°	151.6
42.5°	120.0
45°	89.8
47.5°	72.4
50°	66.4
52.5°	63.4
55°	60.4
57.5°	56.6
60°	53.6
62.5°	49.0
65°	43.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	37.0
70°	31.7
72.5°	25.7
75°	22.6
77.5°	19.6
80°	16.6
82.5°	12.8
85°	8.3
87.5°	3.8
90°	0.0
92.5°	3.8
95°	8.3
97.5°	12.8
100°	16.6
102.5°	19.6
105°	22.6
107.5°	25.7
110°	31.7
112.5°	37.0
115°	43.8
117.5°	49.0
120°	53.6
122.5°	56.6
125°	60.4
127.5°	63.4
130°	66.4
132.5°	72.4
135°	89.8
137.5°	120.0
140°	151.6
142.5°	192.4
145°	233.1
147.5°	288.2
150°	351.6
151°	381.0
152°	427.8
153°	509.2
154°	616.4
155°	737.1
156°	865.3
157°	987.6
158°	1099.2
159°	1186.0
160°	1241.1
161°	1288.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1338.4
163°	1388.2
164°	1438.0
165°	1485.5
166°	1540.6
167°	1598.7
168°	1657.5
169°	1711.8
170°	1760.9
171°	1803.1
172°	1840.1
173°	1868.7
174°	1888.4
175°	1898.2
176°	1902.7
177°	1902.7
178°	1899.7
179°	1901.2
180°	1906.5

(END OF REPORT)