

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: P221562

Luminaire Tested: **9003-W2-FL-LED2790-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED2790-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

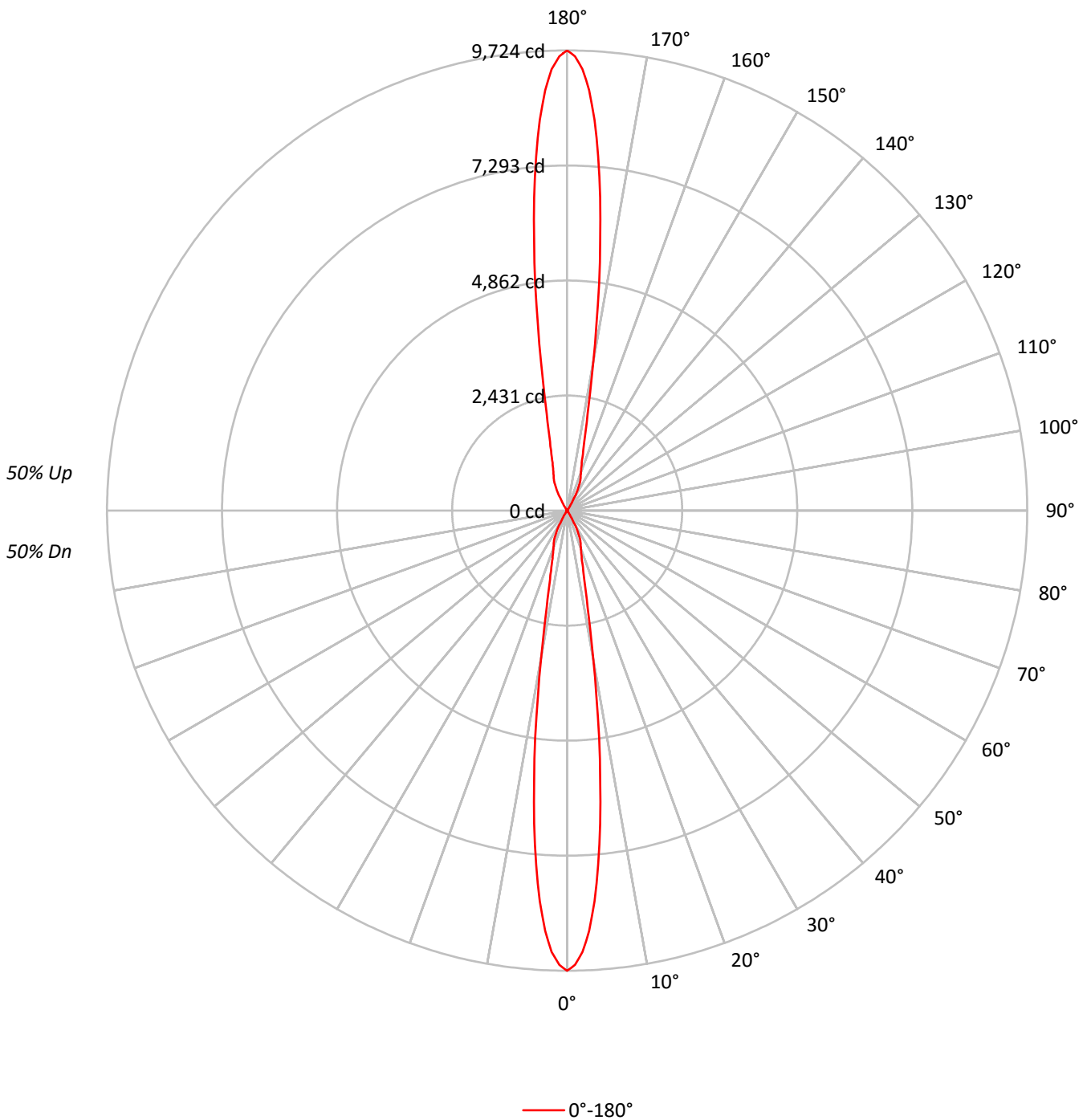
Lumens per Lamp: N/A
Luminaire Lumens: 2564.9 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

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	98	95	93	93	91	89	87	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	70	68	66	63		60	58	56		51	50	49	45
4	85	78	72	68	80	73	69	65	65	61	59		57	55	53		50	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		55	52	50		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	52		53	50	48		47	45	44	42
7	74	65	59	55	69	62	57	53	56	52	50		51	48	46		46	44	43	41
8	70	62	56	52	66	59	54	51	54	50	48		49	46	45		44	43	42	40
9	68	59	53	50	64	56	52	48	52	48	46		47	45	43		43	42	40	39
10	65	56	51	48	62	54	49	46	50	46	44		46	43	42		42	41	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2132263
5°	1655510
10°	707224
15°	299026
20°	198234
25°	148581
30°	56920
35°	8673
40°	4752
45°	2109
50°	1535
55°	1453
60°	1667
65°	1557
70°	1475
75°	1271
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.4	22.2
10°-20°	402.7	15.7
20°-30°	259.6	10.1
30°-40°	37.4	1.5
40°-50°	5.9	0.2
50°-60°	3.6	0.1
60°-70°	2.8	0.1
70°-80°	1.4	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.1
110°-120°	2.8	0.1
120°-130°	3.6	0.1
130°-140°	5.9	0.2
140°-150°	37.4	1.5
150°-160°	259.6	10.1
160°-170°	402.7	15.7
170°-180°	568.4	22.2
0°-30°	1230.7	48.0
0°-40°	1268.1	49.4
0°-60°	1277.7	49.8
0°-90°	1282.4	50.0
90°-120°	4.8	0.2
90°-150°	51.7	2.0
90°-180°	1282.0	50.0
0°-180°	2564.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9724	
5°	7521	568
15°	1317	403
25°	614	260
35°	32	37
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	0
95°	1	1
105°	2	1
115°	3	3
125°	4	4
135°	7	6
145°	32	37
155°	614	260
165°	1317	403
175°	7521	568
180°	9724	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9723.9
1°	9602.5
2°	9333.9
3°	8892.5
4°	8278.4
5°	7521.0
6°	6650.4
7°	5741.3
8°	4842.0
9°	3953.2
10°	3176.2
11°	2541.7
12°	2084.5
13°	1750.3
14°	1502.1
15°	1317.2
16°	1164.8
17°	1053.9
18°	974.7
19°	905.3
20°	849.5
21°	801.2
22°	759.0
23°	719.7
24°	674.5
25°	614.1
26°	543.2
27°	467.0
28°	384.0
29°	301.8
30°	224.8
32.5°	74.7
35°	32.4
37.5°	23.4
40°	16.6
42.5°	8.3
45°	6.8
47.5°	5.3
50°	4.5
52.5°	4.5
55°	3.8
57.5°	3.8
60°	3.8
62.5°	3.0
65°	3.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.5
107.5°	1.5
110°	2.3
112.5°	2.3
115°	3.0
117.5°	3.0
120°	3.8
122.5°	3.8
125°	3.8
127.5°	4.5
130°	4.5
132.5°	5.3
135°	6.8
137.5°	8.3
140°	16.6
142.5°	23.4
145°	32.4
147.5°	74.7
150°	224.8
151°	301.8
152°	384.0
153°	467.0
154°	543.2
155°	614.1
156°	674.5
157°	719.7
158°	759.0
159°	801.2
160°	849.5
161°	905.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	974.7
163°	1053.9
164°	1164.8
165°	1317.2
166°	1502.1
167°	1750.3
168°	2084.5
169°	2541.7
170°	3176.2
171°	3953.2
172°	4842.0
173°	5741.3
174°	6650.4
175°	7521.0
176°	8278.4
177°	8892.5
178°	9333.9
179°	9602.5
180°	9723.9

(END OF REPORT)