

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: P221561

Luminaire Tested: **9003-W2-FL-LED2790-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221561
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-L1-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

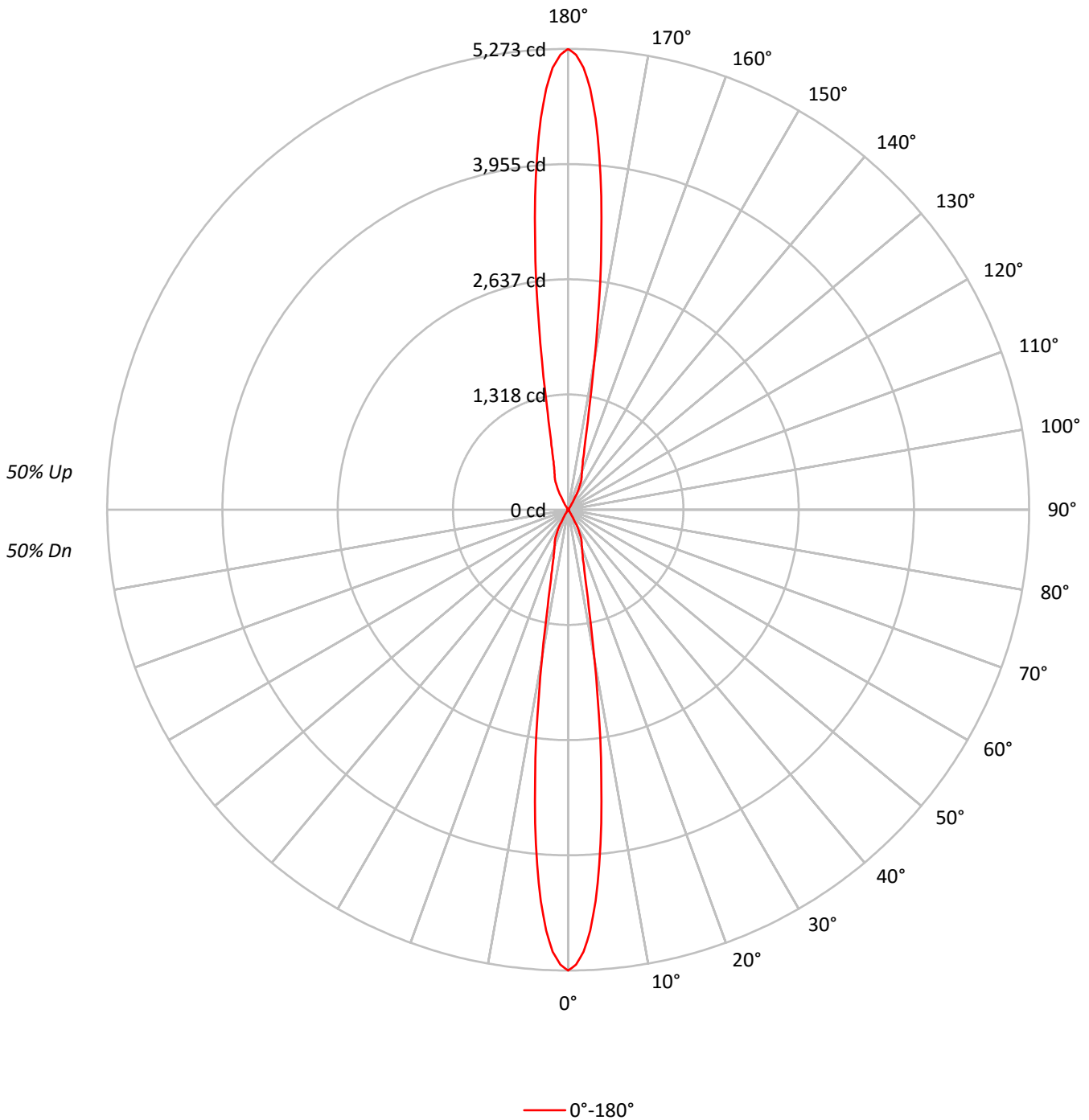
Lumens per Lamp: N/A
Luminaire Lumens: 1390.7 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	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	62	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°	1156267
5°	897730
10°	383515
15°	162158
20°	107506
25°	80569
30°	30866
35°	4711
40°	2576
45°	1147
50°	853
55°	765
60°	877
65°	830
70°	769
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.2	22.2
10°-20°	218.4	15.7
20°-30°	140.8	10.1
30°-40°	20.3	1.5
40°-50°	3.2	0.2
50°-60°	2.0	0.1
60°-70°	1.5	0.1
70°-80°	0.7	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.7	0.1
110°-120°	1.5	0.1
120°-130°	2.0	0.1
130°-140°	3.2	0.2
140°-150°	20.3	1.5
150°-160°	140.8	10.1
160°-170°	218.4	15.7
170°-180°	308.2	22.2
0°-30°	667.4	48.0
0°-40°	687.7	49.4
0°-60°	692.8	49.8
0°-90°	695.3	50.0
90°-120°	2.5	0.2
90°-150°	27.9	2.0
90°-180°	695.0	50.0
0°-180°	1390.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5273	
5°	4078	308
15°	714	218
25°	333	141
35°	18	20
45°	4	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	2	2
135°	4	3
145°	18	20
155°	333	141
165°	714	218
175°	4078	308
180°	5273	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5273.0
1°	5207.2
2°	5061.5
3°	4822.2
4°	4489.2
5°	4078.4
6°	3606.3
7°	3113.3
8°	2625.7
9°	2143.7
10°	1722.4
11°	1378.3
12°	1130.4
13°	949.1
14°	814.5
15°	714.3
16°	631.7
17°	571.5
18°	528.6
19°	490.9
20°	460.7
21°	434.5
22°	411.6
23°	390.3
24°	365.7
25°	333.0
26°	294.6
27°	253.2
28°	208.2
29°	163.6
30°	121.9
32.5°	40.5
35°	17.6
37.5°	12.7
40°	9.0
42.5°	4.5
45°	3.7
47.5°	2.9
50°	2.5
52.5°	2.5
55°	2.0
57.5°	2.0
60°	2.0
62.5°	1.6
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	1.2
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.8
107.5°	0.8
110°	1.2
112.5°	1.2
115°	1.6
117.5°	1.6
120°	2.0
122.5°	2.0
125°	2.0
127.5°	2.5
130°	2.5
132.5°	2.9
135°	3.7
137.5°	4.5
140°	9.0
142.5°	12.7
145°	17.6
147.5°	40.5
150°	121.9
151°	163.6
152°	208.2
153°	253.2
154°	294.6
155°	333.0
156°	365.7
157°	390.3
158°	411.6
159°	434.5
160°	460.7
161°	490.9



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CATALOG NUMBER: 9003-W2-FL-LED2790-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	528.6
163°	571.5
164°	631.7
165°	714.3
166°	814.5
167°	949.1
168°	1130.4
169°	1378.3
170°	1722.4
171°	2143.7
172°	2625.7
173°	3113.3
174°	3606.3
175°	4078.4
176°	4489.2
177°	4822.2
178°	5061.5
179°	5207.2
180°	5273.0

(END OF REPORT)