

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: P221578

Luminaire Tested: **9003-W2-FL-LED2797-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221578
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-LED2797-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2377.1 lumens
Efficiency: N/A
Efficacy: 59.1 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

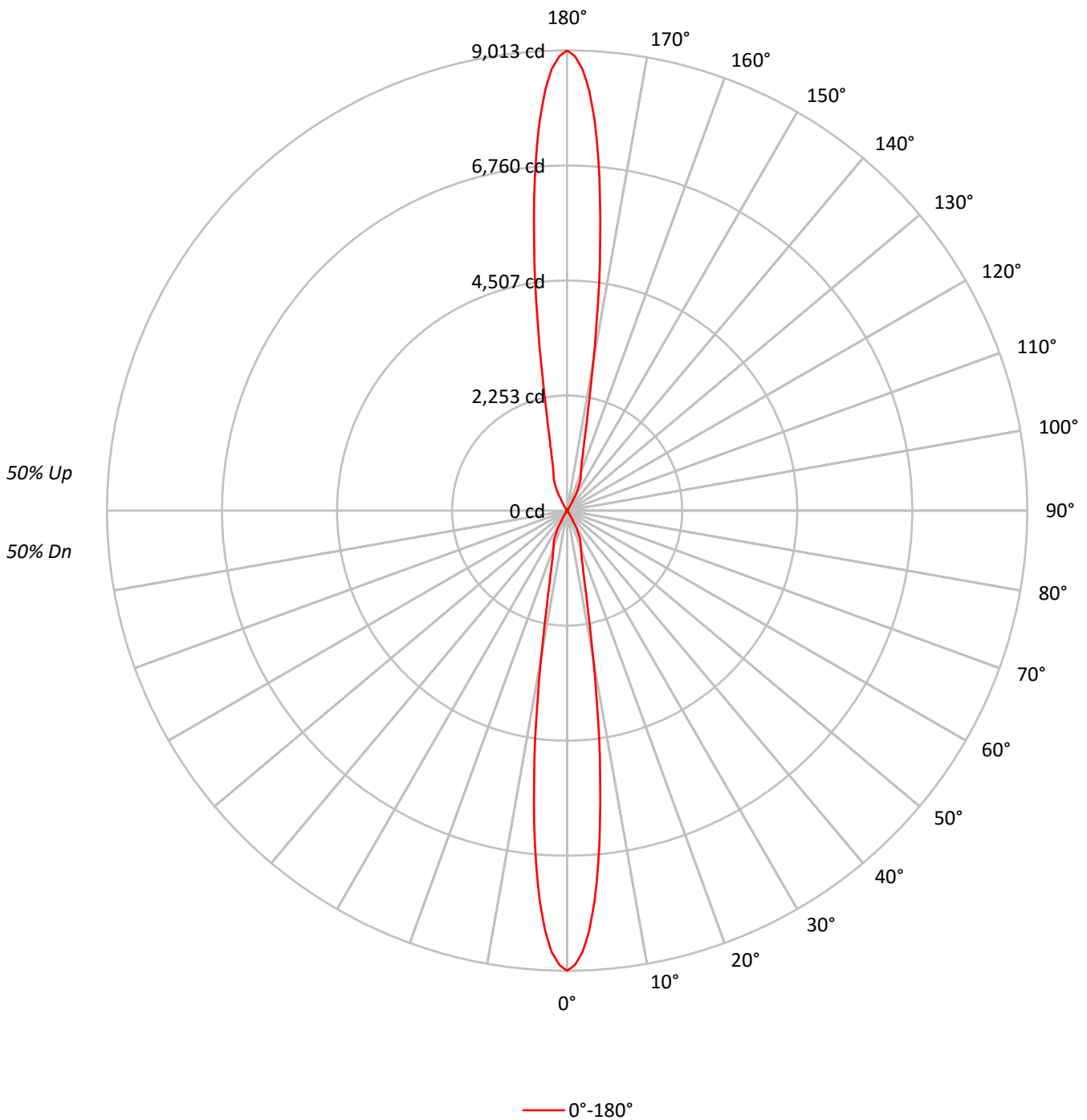
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1976289
5°	1534401
10°	655477
15°	277164
20°	183743
25°	137718
30°	52768
35°	8058
40°	4408
45°	1954
50°	1433
55°	1338
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.8	22.2
10°-20°	373.3	15.7
20°-30°	240.6	10.1
30°-40°	34.7	1.5
40°-50°	5.5	0.2
50°-60°	3.4	0.1
60°-70°	2.6	0.1
70°-80°	1.3	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.3	0.1
110°-120°	2.6	0.1
120°-130°	3.4	0.1
130°-140°	5.5	0.2
140°-150°	34.7	1.5
150°-160°	240.6	10.1
160°-170°	373.3	15.7
170°-180°	526.8	22.2
0°-30°	1140.7	48.0
0°-40°	1175.4	49.4
0°-60°	1184.2	49.8
0°-90°	1188.6	50.0
90°-120°	4.4	0.2
90°-150°	47.9	2.0
90°-180°	1189.0	50.0
0°-180°	2377.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9013	
5°	6971	527
15°	1221	373
25°	569	241
35°	30	35
45°	6	5
55°	4	3
65°	3	3
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	3	3
125°	4	3
135°	6	5
145°	30	35
155°	569	241
165°	1221	373
175°	6971	527
180°	9013	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9012.6
1°	8900.0
2°	8651.1
3°	8242.0
4°	7672.8
5°	6970.8
6°	6163.8
7°	5321.3
8°	4487.8
9°	3664.0
10°	2943.8
11°	2355.8
12°	1932.0
13°	1622.2
14°	1392.2
15°	1220.9
16°	1079.6
17°	976.8
18°	903.4
19°	839.1
20°	787.4
21°	742.6
22°	703.4
23°	667.1
24°	625.1
25°	569.2
26°	503.5
27°	432.8
28°	355.9
29°	279.7
30°	208.4
32.5°	69.2
35°	30.1
37.5°	21.7
40°	15.4
42.5°	7.7
45°	6.3
47.5°	4.9
50°	4.2
52.5°	4.2
55°	3.5
57.5°	3.5
60°	3.5
62.5°	2.8
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	1.4
110°	2.1
112.5°	2.1
115°	2.8
117.5°	2.8
120°	3.5
122.5°	3.5
125°	3.5
127.5°	4.2
130°	4.2
132.5°	4.9
135°	6.3
137.5°	7.7
140°	15.4
142.5°	21.7
145°	30.1
147.5°	69.2
150°	208.4
151°	279.7
152°	355.9
153°	432.8
154°	503.5
155°	569.2
156°	625.1
157°	667.1
158°	703.4
159°	742.6
160°	787.4
161°	839.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	903.4
163°	976.8
164°	1079.6
165°	1220.9
166°	1392.2
167°	1622.2
168°	1932.0
169°	2355.8
170°	2943.8
171°	3664.0
172°	4487.8
173°	5321.3
174°	6163.8
175°	6970.8
176°	7672.8
177°	8242.0
178°	8651.1
179°	8900.0
180°	9012.6

(END OF REPORT)