

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: P221660

Luminaire Tested: **9003-W2-FL-LED4080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221660
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-LED4080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3399.5 lumens
Efficiency: N/A
Efficacy: 84.6 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

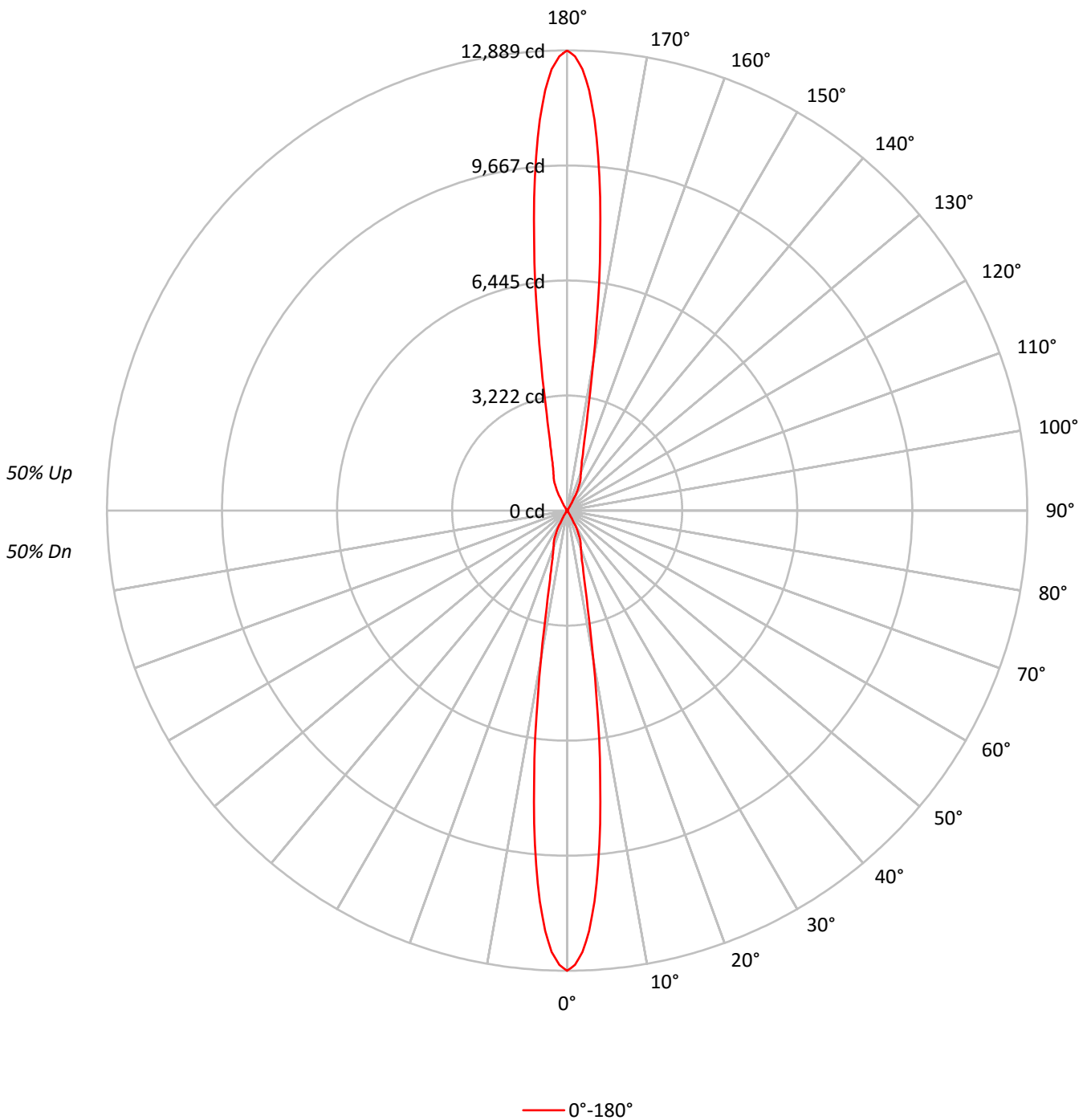
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2826309
5°	2194359
10°	937413
15°	396370
20°	262756
25°	196947
30°	75455
35°	11511
40°	6298
45°	2791
50°	2047
55°	1912
60°	2193
65°	2075
70°	1923
75°	1694
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.4	22.2
10°-20°	533.8	15.7
20°-30°	344.1	10.1
30°-40°	49.6	1.5
40°-50°	7.8	0.2
50°-60°	4.8	0.1
60°-70°	3.7	0.1
70°-80°	1.8	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	1.8	0.1
110°-120°	3.7	0.1
120°-130°	4.8	0.1
130°-140°	7.8	0.2
140°-150°	49.6	1.5
150°-160°	344.1	10.1
160°-170°	533.8	15.7
170°-180°	753.4	22.2
0°-30°	1631.3	48.0
0°-40°	1680.9	49.4
0°-60°	1693.5	49.8
0°-90°	1699.8	50.0
90°-120°	6.2	0.2
90°-150°	68.4	2.0
90°-180°	1700.0	50.0
0°-180°	3399.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12889	
5°	9969	753
15°	1746	534
25°	814	344
35°	43	50
45°	9	8
55°	5	5
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	5	5
135°	9	8
145°	43	50
155°	814	344
165°	1746	534
175°	9969	753
180°	12889	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12889
1°	12728
2°	12372
3°	11787
4°	10973
5°	9969
6°	8815
7°	7610
8°	6418
9°	5240
10°	4210
11°	3369
12°	2763
13°	2320
14°	1991
15°	1746
16°	1544
17°	1397
18°	1292
19°	1200
20°	1126
21°	1062
22°	1006
23°	954
24°	894
25°	814
26°	720
27°	619
28°	509
29°	400
30°	298
32.5°	99
35°	43
37.5°	31
40°	22
42.5°	11
45°	9
47.5°	7
50°	6
52.5°	6
55°	5
57.5°	5
60°	5
62.5°	4
65°	4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	3
72.5°	2
75°	2
77.5°	1
80°	1
82.5°	1
85°	1
87.5°	0
90°	0
92.5°	0
95°	1
97.5°	1
100°	1
102.5°	1
105°	2
107.5°	2
110°	3
112.5°	3
115°	4
117.5°	4
120°	5
122.5°	5
125°	5
127.5°	6
130°	6
132.5°	7
135°	9
137.5°	11
140°	22
142.5°	31
145°	43
147.5°	99
150°	298
151°	400
152°	509
153°	619
154°	720
155°	814
156°	894
157°	954
158°	1006
159°	1062
160°	1126
161°	1200



TEST NUMBER: P221660

CATALOG NUMBER: 9003-W2-FL-LED4080-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1292
163°	1397
164°	1544
165°	1746
166°	1991
167°	2320
168°	2763
169°	3369
170°	4210
171°	5240
172°	6418
173°	7610
174°	8815
175°	9969
176°	10973
177°	11787
178°	12372
179°	12728
180°	12889

(END OF REPORT)