

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: P221656

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3246.3 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

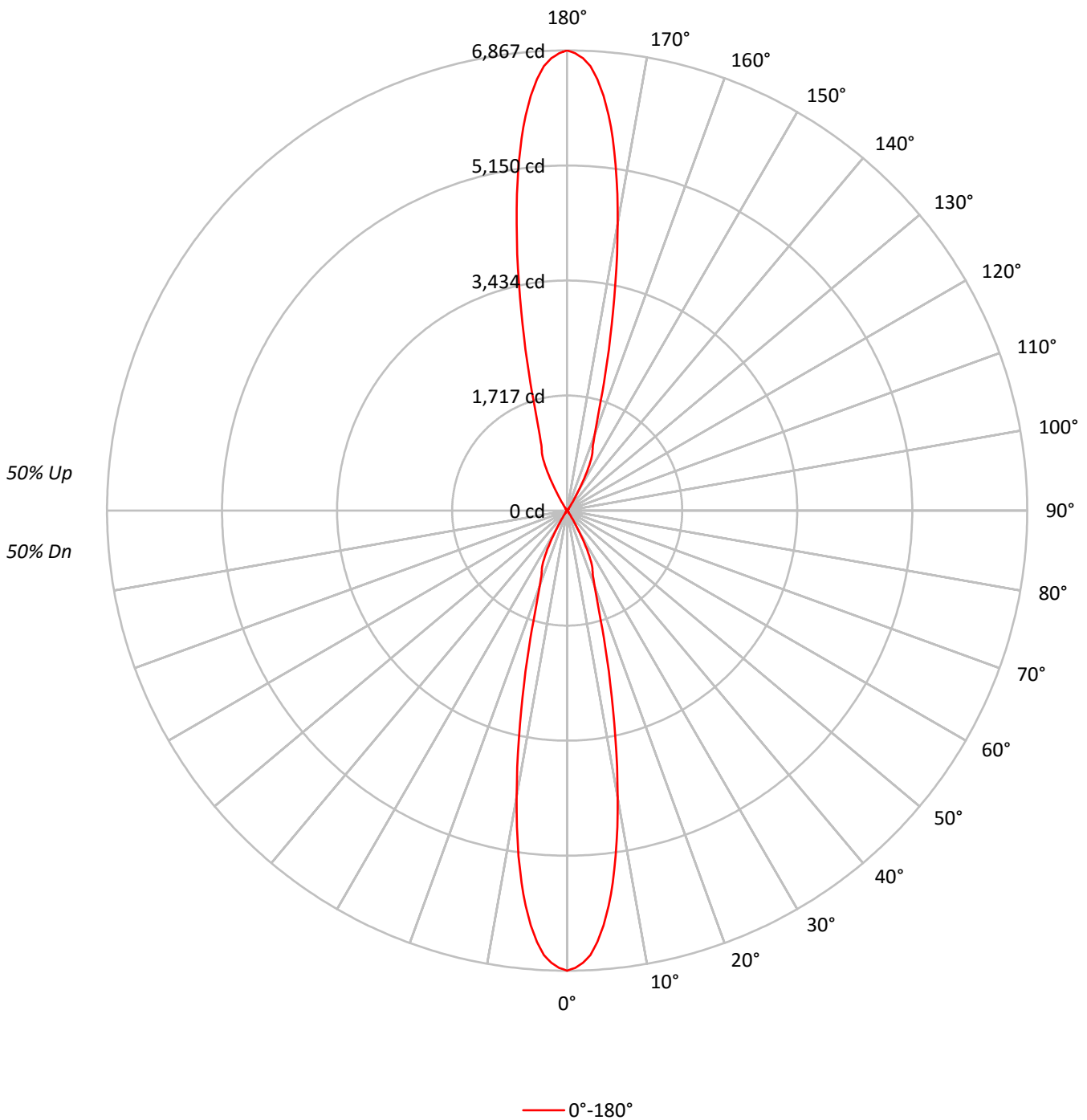
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	78	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	85	77	71	67	79	72	68	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	62	75	68	63	59	60	57	54		54	51	49		47	46	44	42
6	76	67	61	57	71	64	59	55	57	54	51		51	49	47		46	44	43	40
7	72	63	58	54	68	60	55	52	55	51	48		49	47	45		44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46		47	45	43		43	41	40	38
9	66	57	51	48	62	55	50	46	50	46	44		46	43	41		41	40	38	37
10	63	54	49	45	60	52	47	44	48	44	42		44	41	39		40	38	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1505800
5°	1368255
10°	967027
15°	522591
20°	277924
25°	204447
30°	82544
35°	15794
40°	8301
45°	3721
50°	3070
55°	2676
60°	2193
65°	2075
70°	1923
75°	1694
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.6	16.4
10°-20°	649.7	20.0
20°-30°	357.6	11.0
30°-40°	59.3	1.8
40°-50°	10.9	0.3
50°-60°	6.2	0.2
60°-70°	4.0	0.1
70°-80°	2.1	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.1	0.1
110°-120°	4.0	0.1
120°-130°	6.2	0.2
130°-140°	10.9	0.3
140°-150°	59.3	1.8
150°-160°	357.6	11.0
160°-170°	649.7	20.0
170°-180°	532.6	16.4
0°-30°	1540.0	47.4
0°-40°	1599.3	49.3
0°-60°	1616.4	49.8
0°-90°	1623.1	50.0
90°-120°	6.7	0.2
90°-150°	83.2	2.6
90°-180°	1623.0	50.0
0°-180°	3246.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6867	
5°	6216	533
15°	2302	650
25°	845	358
35°	59	59
45°	12	11
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	7	6
135°	12	11
145°	59	59
155°	845	358
165°	2302	650
175°	6216	533
180°	6867	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6867
1°	6825
2°	6754
3°	6642
4°	6452
5°	6216
6°	5931
7°	5592
8°	5206
9°	4783
10°	4343
11°	3899
12°	3463
13°	3046
14°	2661
15°	2302
16°	1992
17°	1713
18°	1495
19°	1321
20°	1191
21°	1092
22°	1020
23°	969
24°	918
25°	845
26°	754
27°	652
28°	541
29°	432
30°	326
32.5°	118
35°	59
37.5°	42
40°	29
42.5°	15
45°	12
47.5°	11
50°	9
52.5°	8
55°	7
57.5°	6
60°	5
62.5°	5
65°	4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	3
72.5°	2
75°	2
77.5°	2
80°	1
82.5°	1
85°	1
87.5°	0
90°	0
92.5°	0
95°	1
97.5°	1
100°	1
102.5°	2
105°	2
107.5°	2
110°	3
112.5°	3
115°	4
117.5°	5
120°	5
122.5°	6
125°	7
127.5°	8
130°	9
132.5°	11
135°	12
137.5°	15
140°	29
142.5°	42
145°	59
147.5°	118
150°	326
151°	432
152°	541
153°	652
154°	754
155°	845
156°	918
157°	969
158°	1020
159°	1092
160°	1191
161°	1321



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CANDELA DISTRIBUTION (continued):

	0°
162°	1495
163°	1713
164°	1992
165°	2302
166°	2661
167°	3046
168°	3463
169°	3899
170°	4343
171°	4783
172°	5206
173°	5592
174°	5931
175°	6216
176°	6452
177°	6642
178°	6754
179°	6825
180°	6867

(END OF REPORT)