

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: P221494

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED4080-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2736.6 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

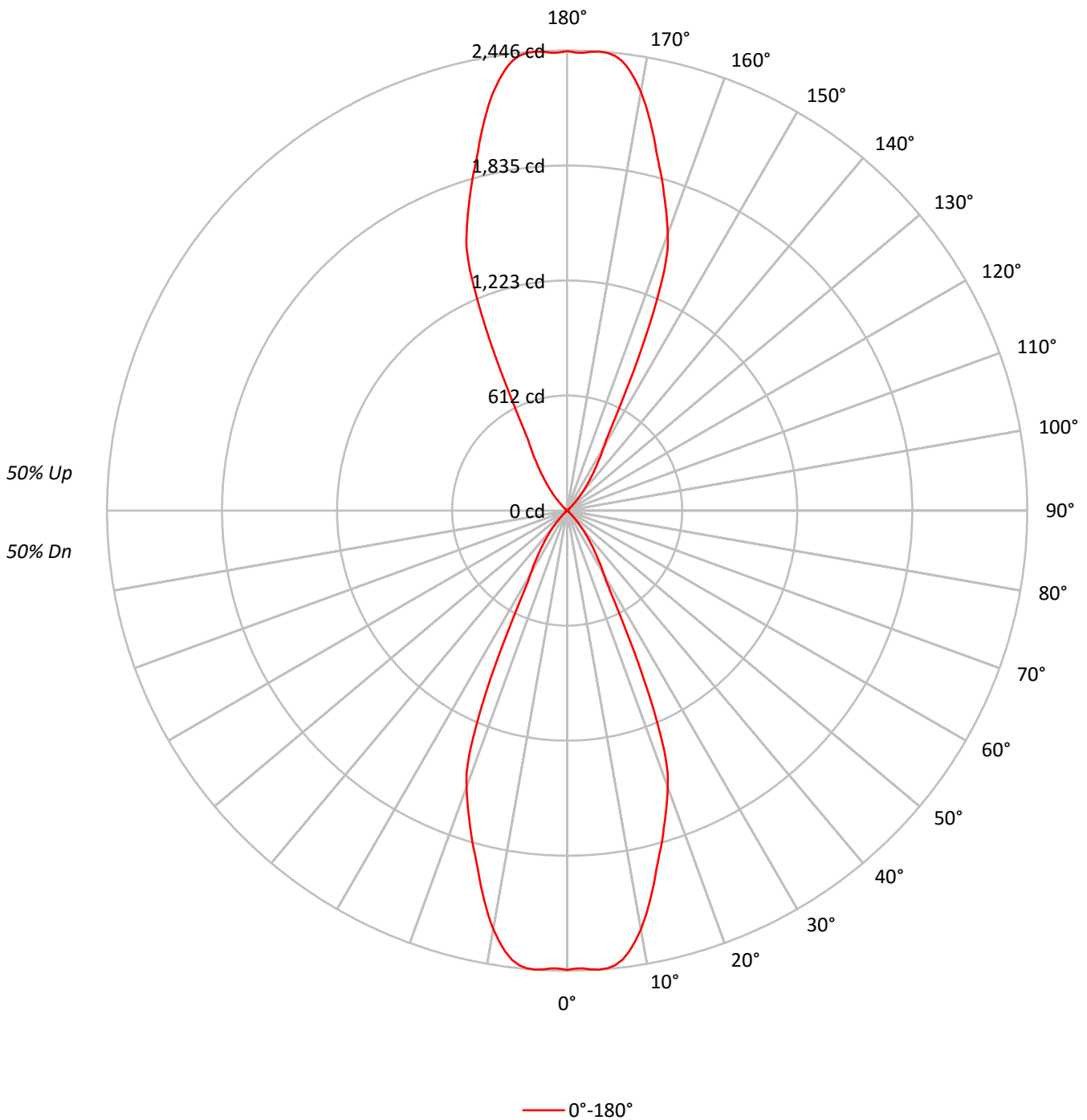
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	535483
5°	537749
10°	502997
15°	429741
20°	365198
25°	217029
30°	98749
35°	62640
40°	35495
45°	13025
50°	4094
55°	3058
60°	2631
65°	1557
70°	641
75°	847
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	8.3
10°-20°	529.1	19.3
20°-30°	410.7	15.0
30°-40°	149.7	5.5
40°-50°	39.6	1.4
50°-60°	7.4	0.3
60°-70°	3.3	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	3.3	0.1
120°-130°	7.4	0.3
130°-140°	39.6	1.4
140°-150°	149.7	5.5
150°-160°	410.7	15.0
160°-170°	529.1	19.3
170°-180°	227.5	8.3
0°-30°	1167.3	42.7
0°-40°	1317.1	48.1
0°-60°	1364.0	49.8
0°-90°	1368.3	50.0
90°-120°	4.2	0.2
90°-150°	200.9	7.3
90°-180°	1368.0	50.0
0°-180°	2736.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2442	
5°	2443	228
15°	1893	529
25°	897	411
35°	234	150
45°	42	40
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	3	3
125°	8	7
135°	42	40
145°	234	150
155°	897	411
165°	1893	529
175°	2443	228
180°	2442	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2442
1°	2435
2°	2435
3°	2442
4°	2446
5°	2443
6°	2431
7°	2406
8°	2367
9°	2316
10°	2259
11°	2193
12°	2120
13°	2043
14°	1964
15°	1893
16°	1829
17°	1761
18°	1696
19°	1630
20°	1565
21°	1493
22°	1379
23°	1229
24°	1066
25°	897
26°	738
27°	596
28°	489
29°	428
30°	390
32.5°	307
35°	234
37.5°	176
40°	124
42.5°	82
45°	42
47.5°	19
50°	12
52.5°	9
55°	8
57.5°	7
60°	6
62.5°	4
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	1
105°	1
107.5°	1
110°	1
112.5°	3
115°	3
117.5°	4
120°	6
122.5°	7
125°	8
127.5°	9
130°	12
132.5°	19
135°	42
137.5°	82
140°	124
142.5°	176
145°	234
147.5°	307
150°	390
151°	428
152°	489
153°	596
154°	738
155°	897
156°	1066
157°	1229
158°	1379
159°	1493
160°	1565
161°	1630



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CANDELA DISTRIBUTION (continued):

	0°
162°	1696
163°	1761
164°	1829
165°	1893
166°	1964
167°	2043
168°	2120
169°	2193
170°	2259
171°	2316
172°	2367
173°	2406
174°	2431
175°	2443
176°	2446
177°	2442
178°	2435
179°	2435
180°	2442

(END OF REPORT)