

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: P221485

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1564.4 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

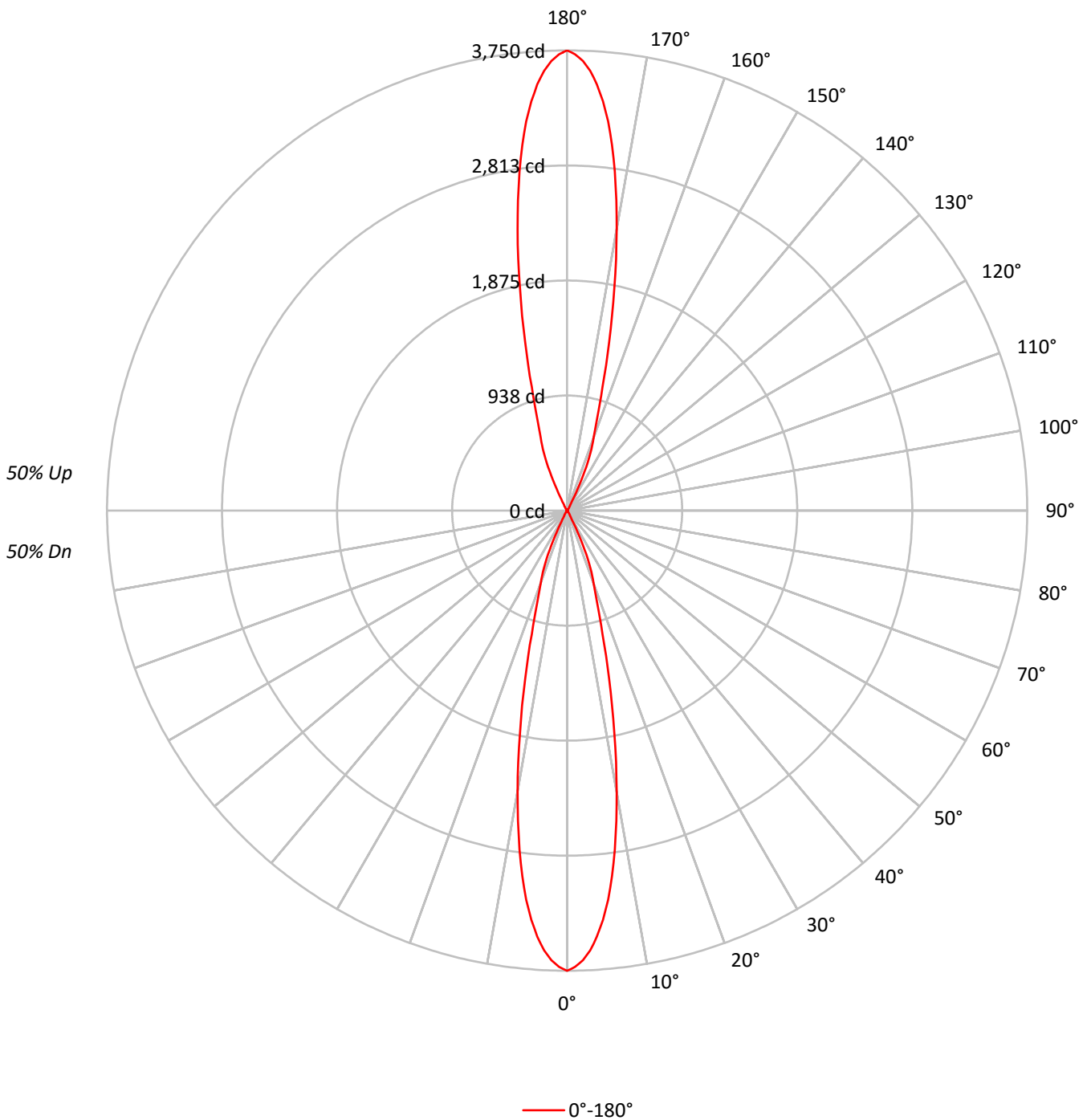
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	59		53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59		57	55	53		49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		54	52	50		48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52		52	50	48		47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49		50	48	46		45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47		49	46	44		44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45		47	44	42		43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43		45	43	41		42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	822390
5°	736956
10°	517759
15°	277845
20°	146149
25°	65351
30°	12635
35°	4658
40°	2634
45°	2171
50°	1842
55°	1453
60°	1184
65°	830
70°	321
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.4	18.3
10°-20°	345.2	22.1
20°-30°	125.9	8.1
30°-40°	13.9	0.9
40°-50°	5.5	0.3
50°-60°	3.4	0.2
60°-70°	1.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.6	0.1
120°-130°	3.4	0.2
130°-140°	5.5	0.3
140°-150°	13.9	0.9
150°-160°	125.9	8.1
160°-170°	345.2	22.1
170°-180°	286.4	18.3
0°-30°	757.6	48.4
0°-40°	771.5	49.3
0°-60°	780.4	49.9
0°-90°	782.2	50.0
90°-120°	1.9	0.1
90°-150°	24.8	1.6
90°-180°	782.0	50.0
0°-180°	1564.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3750	
5°	3348	286
15°	1224	345
25°	270	126
35°	17	14
45°	7	5
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	4	3
135°	7	5
145°	17	14
155°	270	126
165°	1224	345
175°	3348	286
180°	3750	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3750.4
1°	3720.0
2°	3666.9
3°	3588.8
4°	3480.9
5°	3348.0
6°	3189.1
7°	3002.6
8°	2791.1
9°	2561.7
10°	2325.3
11°	2087.2
12°	1851.3
13°	1628.5
14°	1415.9
15°	1223.9
16°	1047.7
17°	904.0
18°	787.4
19°	695.2
20°	626.3
21°	569.9
22°	505.4
23°	428.9
24°	349.2
25°	270.1
26°	194.7
27°	127.4
28°	80.3
29°	58.6
30°	49.9
32.5°	33.6
35°	17.4
37.5°	11.4
40°	9.2
42.5°	8.1
45°	7.0
47.5°	6.0
50°	5.4
52.5°	4.3
55°	3.8
57.5°	3.3
60°	2.7
62.5°	2.2
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.5
110°	0.5
112.5°	1.1
115°	1.6
117.5°	2.2
120°	2.7
122.5°	3.3
125°	3.8
127.5°	4.3
130°	5.4
132.5°	6.0
135°	7.0
137.5°	8.1
140°	9.2
142.5°	11.4
145°	17.4
147.5°	33.6
150°	49.9
151°	58.6
152°	80.3
153°	127.4
154°	194.7
155°	270.1
156°	349.2
157°	428.9
158°	505.4
159°	569.9
160°	626.3
161°	695.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	787.4
163°	904.0
164°	1047.7
165°	1223.9
166°	1415.9
167°	1628.5
168°	1851.3
169°	2087.2
170°	2325.3
171°	2561.7
172°	2791.1
173°	3002.6
174°	3189.1
175°	3348.0
176°	3480.9
177°	3588.8
178°	3666.9
179°	3720.0
180°	3750.4

(END OF REPORT)