

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: P221487

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1875.6 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

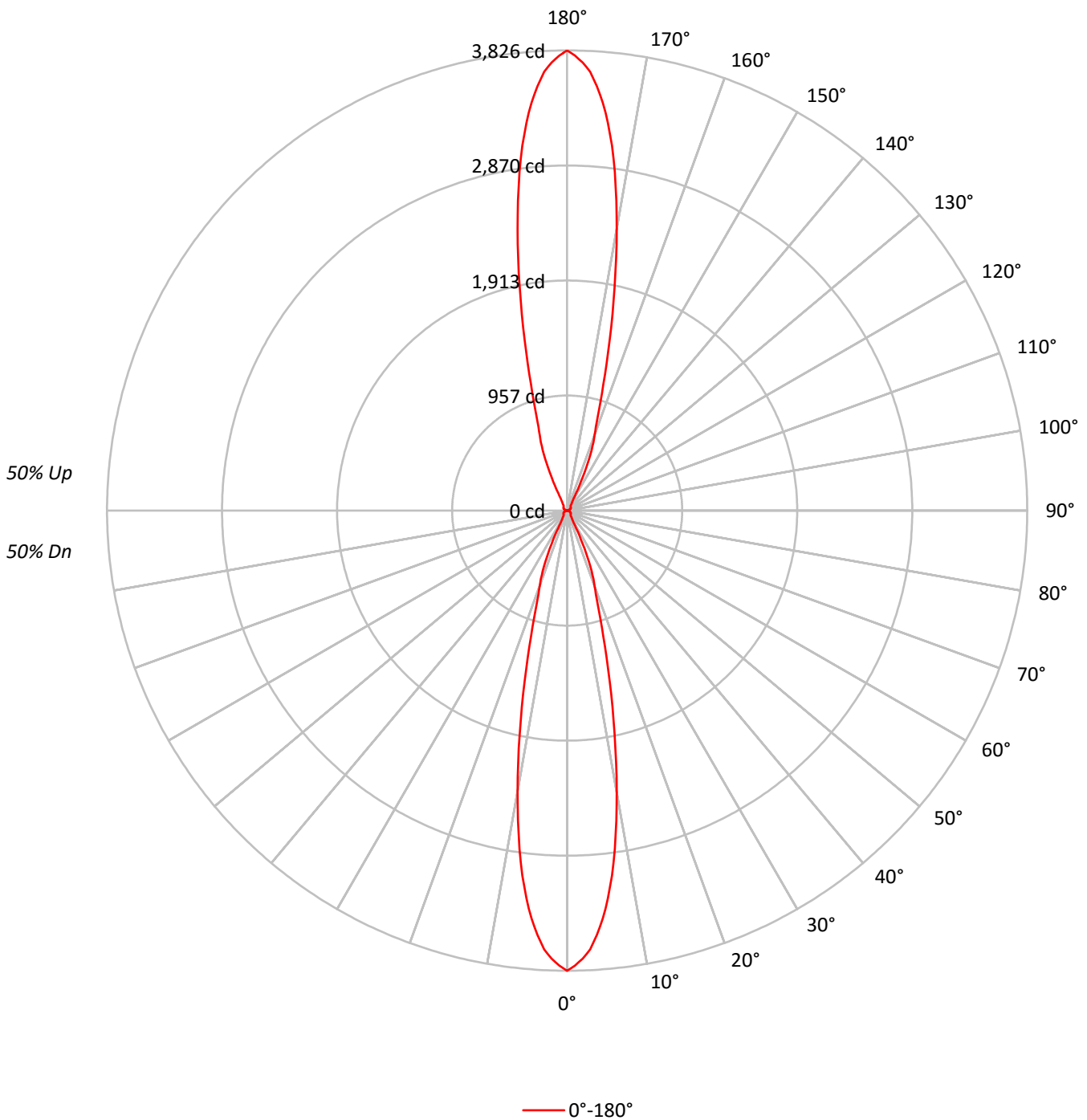
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	44
3	88	81	75	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	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	839034
5°	749613
10°	528492
15°	287198
20°	155390
25°	74133
30°	21421
35°	13947
40°	12738
45°	13118
50°	13884
55°	14719
60°	14516
65°	13802
70°	11476
75°	10082
80°	11618
85°	10819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	15.5
10°-20°	357.0	19.0
20°-30°	142.8	7.6
30°-40°	35.8	1.9
40°-50°	32.9	1.8
50°-60°	33.9	1.8
60°-70°	25.8	1.4
70°-80°	13.3	0.7
80°-90°	4.8	0.3
90°-100°	4.8	0.3
100°-110°	13.3	0.7
110°-120°	25.8	1.4
120°-130°	33.9	1.8
130°-140°	32.9	1.8
140°-150°	35.8	1.9
150°-160°	142.8	7.6
160°-170°	357.0	19.0
170°-180°	291.6	15.5
0°-30°	791.4	42.2
0°-40°	827.2	44.1
0°-60°	894.0	47.7
0°-90°	937.8	50.0
90°-120°	43.8	2.3
90°-150°	146.4	7.8
90°-180°	938.0	50.0
0°-180°	1875.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3826	
5°	3406	292
15°	1265	357
25°	306	143
35°	52	36
45°	42	33
55°	38	34
65°	27	26
75°	12	13
85°	4	4
90°	0	1
95°	4	4
105°	12	13
115°	27	26
125°	38	34
135°	42	33
145°	52	36
155°	306	143
165°	1265	357
175°	3406	292
180°	3826	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3826.3
1°	3784.0
2°	3727.1
3°	3652.8
4°	3536.7
5°	3405.5
6°	3241.2
7°	3059.0
8°	2844.2
9°	2610.0
10°	2373.5
11°	2132.8
12°	1895.8
13°	1674.5
14°	1460.9
15°	1265.1
16°	1087.8
17°	943.6
18°	825.9
19°	734.2
20°	665.9
21°	608.4
22°	542.8
23°	467.4
24°	386.1
25°	306.4
26°	229.4
27°	163.8
28°	115.5
29°	93.3
30°	84.6
32.5°	67.8
35°	52.1
37.5°	46.6
40°	44.5
42.5°	43.4
45°	42.3
47.5°	41.8
50°	40.7
52.5°	40.1
55°	38.5
57.5°	35.8
60°	33.1
62.5°	30.4
65°	26.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.7
70°	17.9
72.5°	14.1
75°	11.9
77.5°	10.8
80°	9.2
82.5°	6.5
85°	4.3
87.5°	2.2
90°	0.0
92.5°	2.2
95°	4.3
97.5°	6.5
100°	9.2
102.5°	10.8
105°	11.9
107.5°	14.1
110°	17.9
112.5°	21.7
115°	26.6
117.5°	30.4
120°	33.1
122.5°	35.8
125°	38.5
127.5°	40.1
130°	40.7
132.5°	41.8
135°	42.3
137.5°	43.4
140°	44.5
142.5°	46.6
145°	52.1
147.5°	67.8
150°	84.6
151°	93.3
152°	115.5
153°	163.8
154°	229.4
155°	306.4
156°	386.1
157°	467.4
158°	542.8
159°	608.4
160°	665.9
161°	734.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	825.9
163°	943.6
164°	1087.8
165°	1265.1
166°	1460.9
167°	1674.5
168°	1895.8
169°	2132.8
170°	2373.5
171°	2610.0
172°	2844.2
173°	3059.0
174°	3241.2
175°	3405.5
176°	3536.7
177°	3652.8
178°	3727.1
179°	3784.0
180°	3826.3

(END OF REPORT)