

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: P221483

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.2 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

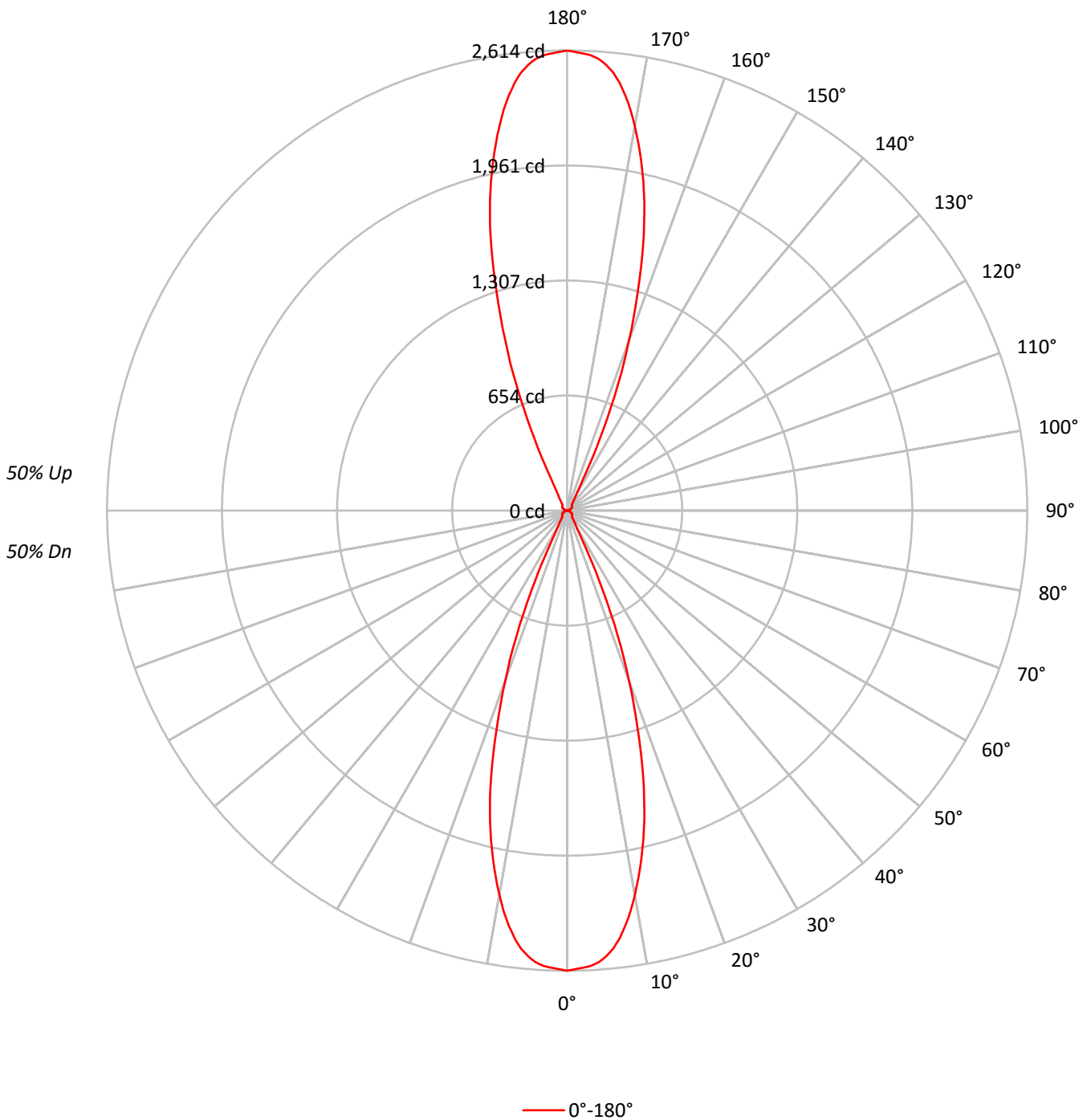
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

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		60	59	57		51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		48	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	43	41	38
6	74	64	58	54	69	61	56	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45		46	43	41		41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40		42	39	37		38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38		41	38	36		37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573156
5°	559585
10°	493600
15°	384088
20°	239934
25°	93683
30°	25548
35°	14964
40°	11965
45°	12094
50°	12759
55°	13075
60°	12850
65°	11830
70°	10066
75°	9150
80°	10229
85°	9561



TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	11.4
10°-20°	453.5	22.3
20°-30°	194.5	9.6
30°-40°	38.4	1.9
40°-50°	30.4	1.5
50°-60°	30.3	1.5
60°-70°	22.5	1.1
70°-80°	12.0	0.6
80°-90°	4.2	0.2
90°-100°	4.2	0.2
100°-110°	12.0	0.6
110°-120°	22.5	1.1
120°-130°	30.3	1.5
130°-140°	30.4	1.5
140°-150°	38.4	1.9
150°-160°	194.5	9.6
160°-170°	453.5	22.3
170°-180°	232.3	11.4
0°-30°	880.3	43.2
0°-40°	918.8	45.1
0°-60°	979.4	48.1
0°-90°	1018.1	50.0
90°-120°	38.7	1.9
90°-150°	137.8	6.8
90°-180°	1018.0	50.0
0°-180°	2036.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2614	
5°	2542	232
15°	1692	453
25°	387	195
35°	56	38
45°	39	30
55°	34	30
65°	23	22
75°	11	12
85°	4	4
90°	0	0
95°	4	4
105°	11	12
115°	23	22
125°	34	30
135°	39	30
145°	56	38
155°	387	195
165°	1692	453
175°	2542	232
180°	2614	



TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	2613.8
1°	2606.2
2°	2598.0
3°	2590.4
4°	2572.5
5°	2542.2
6°	2501.5
7°	2448.4
8°	2380.6
9°	2304.1
10°	2216.8
11°	2123.5
12°	2026.5
13°	1921.3
14°	1810.7
15°	1691.9
16°	1565.0
17°	1431.6
18°	1293.9
19°	1158.8
20°	1028.2
21°	904.0
22°	770.6
23°	633.9
24°	503.8
25°	387.2
26°	285.8
27°	202.3
28°	144.2
29°	114.4
30°	100.9
32.5°	76.5
35°	55.9
37.5°	45.6
40°	41.8
42.5°	40.1
45°	39.0
47.5°	38.5
50°	37.4
52.5°	35.8
55°	34.2
57.5°	32.0
60°	29.3
62.5°	26.6
65°	22.8



TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.0
70°	15.7
72.5°	13.0
75°	10.8
77.5°	9.8
80°	8.1
82.5°	6.0
85°	3.8
87.5°	1.6
90°	0.0
92.5°	1.6
95°	3.8
97.5°	6.0
100°	8.1
102.5°	9.8
105°	10.8
107.5°	13.0
110°	15.7
112.5°	19.0
115°	22.8
117.5°	26.6
120°	29.3
122.5°	32.0
125°	34.2
127.5°	35.8
130°	37.4
132.5°	38.5
135°	39.0
137.5°	40.1
140°	41.8
142.5°	45.6
145°	55.9
147.5°	76.5
150°	100.9
151°	114.4
152°	144.2
153°	202.3
154°	285.8
155°	387.2
156°	503.8
157°	633.9
158°	770.6
159°	904.0
160°	1028.2
161°	1158.8



TEST NUMBER: P221483

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1293.9
163°	1431.6
164°	1565.0
165°	1691.9
166°	1810.7
167°	1921.3
168°	2026.5
169°	2123.5
170°	2216.8
171°	2304.1
172°	2380.6
173°	2448.4
174°	2501.5
175°	2542.2
176°	2572.5
177°	2590.4
178°	2598.0
179°	2606.2
180°	2613.8

(END OF REPORT)