

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: P221380

Luminaire Tested: **9002-W2-FL-LEDCR-W-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29549)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LEDCR-W-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

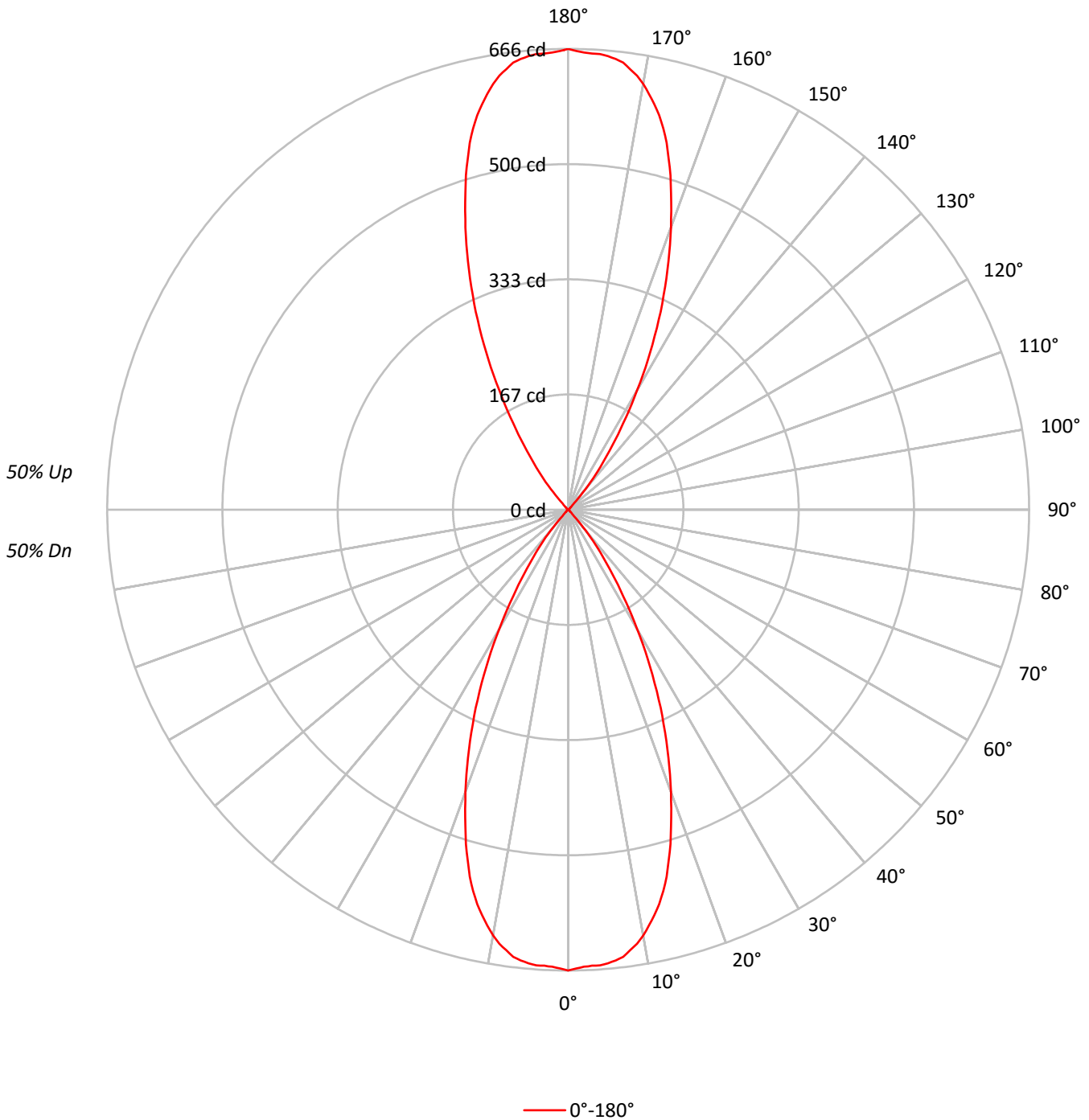
Lumens per Lamp: N/A
Luminaire Lumens: 867.9 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.76
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 27
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: P221380
CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221380

CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-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	88	85	77	75	74		65	64	63		54	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	62	60		57	54	52		48	47	46	42
4	82	74	68	63	77	70	64	60	61	57	54		53	51	48		46	44	43	39
5	77	68	62	57	72	64	59	55	57	53	50		50	47	45		44	42	40	37
6	73	63	57	52	68	60	54	50	53	49	46		47	44	42		41	39	38	35
7	69	59	53	48	64	56	50	46	50	46	43		45	41	39		39	37	36	33
8	65	55	49	44	61	52	47	43	47	43	40		42	39	37		38	35	34	32
9	61	51	45	41	58	49	44	40	44	40	37		40	37	35		36	34	32	30
10	58	48	42	38	55	46	41	37	42	38	35		38	35	33		34	32	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328591
5°	325884
10°	313119
15°	280420
20°	227869
25°	172025
30°	113371
35°	62640
40°	25118
45°	3489
50°	2303
55°	2581
60°	987
65°	1167
70°	1443
75°	1906
80°	0
85°	0



TEST NUMBER: P221380

CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	7.1
10°-20°	150.5	17.3
20°-30°	142.9	16.5
30°-40°	67.3	7.8
40°-50°	7.8	0.9
50°-60°	2.0	0.2
60°-70°	1.0	0.1
70°-80°	0.7	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.1
110°-120°	1.0	0.1
120°-130°	2.0	0.2
130°-140°	7.8	0.9
140°-150°	67.3	7.8
150°-160°	142.9	16.5
160°-170°	150.5	17.3
170°-180°	61.8	7.1
0°-30°	355.2	40.9
0°-40°	422.5	48.7
0°-60°	432.3	49.8
0°-90°	433.9	50.0
90°-120°	1.6	0.2
90°-150°	78.8	9.1
90°-180°	434.0	50.0
0°-180°	867.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	666	
5°	658	62
15°	549	150
25°	316	143
35°	104	67
45°	5	8
55°	3	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	3	2
135°	5	8
145°	104	67
155°	316	143
165°	549	150
175°	658	62
180°	666	



TEST NUMBER: P221380

CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	666
1°	663
2°	661
3°	660
4°	660
5°	658
6°	655
7°	651
8°	643
9°	635
10°	625
11°	612
12°	599
13°	585
14°	568
15°	549
16°	527
17°	505
18°	481
19°	457
20°	434
21°	410
22°	387
23°	363
24°	339
25°	316
26°	292
27°	268
28°	245
29°	223
30°	199
32.5°	148
35°	104
37.5°	70
40°	39
42.5°	12
45°	5
47.5°	4
50°	3
52.5°	3
55°	3
57.5°	1
60°	1
62.5°	1
65°	1



TEST NUMBER: P221380

CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	1
107.5°	1
110°	1
112.5°	1
115°	1
117.5°	1
120°	1
122.5°	1
125°	3
127.5°	3
130°	3
132.5°	4
135°	5
137.5°	12
140°	39
142.5°	70
145°	104
147.5°	148
150°	199
151°	223
152°	245
153°	268
154°	292
155°	316
156°	339
157°	363
158°	387
159°	410
160°	434
161°	457



TEST NUMBER: P221380

CATALOG NUMBER: 9002-W2-FL-LEDCR-W-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	481
163°	505
164°	527
165°	549
166°	568
167°	585
168°	599
169°	612
170°	625
171°	635
172°	643
173°	651
174°	655
175°	658
176°	660
177°	660
178°	661
179°	663
180°	666

(END OF REPORT)