

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: P220489

Luminaire Tested: **9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 645.3 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

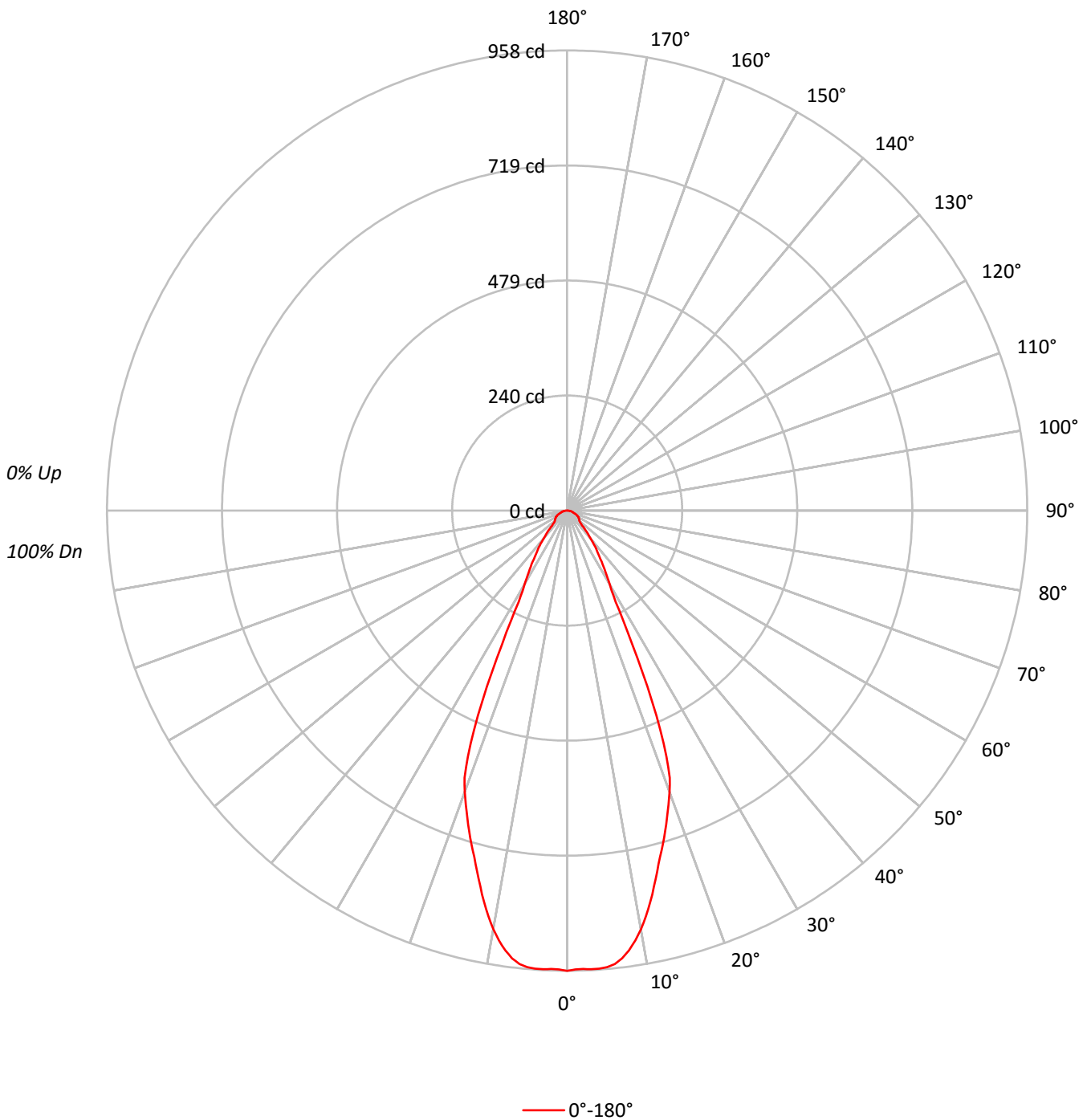
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220489

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220489

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-W-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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67		74	70	66		73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63		70	66	62		69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53		61	56	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210115
5°	209993
10°	197057
15°	169490
20°	145566
25°	89642
30°	44741
35°	31374
40°	21812
45°	13986
50°	11394
55°	11584
60°	11797
65°	11415
70°	10194
75°	9658
80°	10481
85°	10567



TEST NUMBER: P220489

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	13.8
10°-20°	208.9	32.4
20°-30°	169.6	26.3
30°-40°	75.0	11.6
40°-50°	37.6	5.8
50°-60°	27.0	4.2
60°-70°	21.4	3.3
70°-80°	12.2	1.9
80°-90°	4.5	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	467.5	72.5
0°-40°	542.5	84.1
0°-60°	607.1	94.1
0°-90°	645.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	958	
5°	954	89
15°	747	209
25°	370	170
35°	117	75
45°	45	38
55°	30	27
65°	22	21
75°	11	12
85°	4	5
90°	0	



TEST NUMBER: P220489

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	958.2
1°	955.5
2°	954.8
3°	956.3
4°	956.3
5°	954.0
6°	949.1
7°	939.2
8°	924.8
9°	906.3
10°	885.0
11°	860.4
12°	833.1
13°	803.5
14°	774.3
15°	746.6
16°	722.7
17°	697.7
18°	672.7
19°	647.6
20°	623.8
21°	596.1
22°	552.5
23°	496.4
24°	434.9
25°	370.5
26°	309.8
27°	256.0
28°	215.0
29°	191.5
30°	176.7
32.5°	144.8
35°	117.2
37.5°	96.7
40°	76.2
42.5°	60.3
45°	45.1
47.5°	36.4
50°	33.4
52.5°	31.9
55°	30.3
57.5°	28.4
60°	26.9
62.5°	24.6
65°	22.0



TEST NUMBER: P220489

CATALOG NUMBER: 9003-W1-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	18.6
70°	15.9
72.5°	12.9
75°	11.4
77.5°	9.9
80°	8.3
82.5°	6.4
85°	4.2
87.5°	1.9
90°	0.0

(END OF REPORT)