

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: P220363

Luminaire Tested: **9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 785.5 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

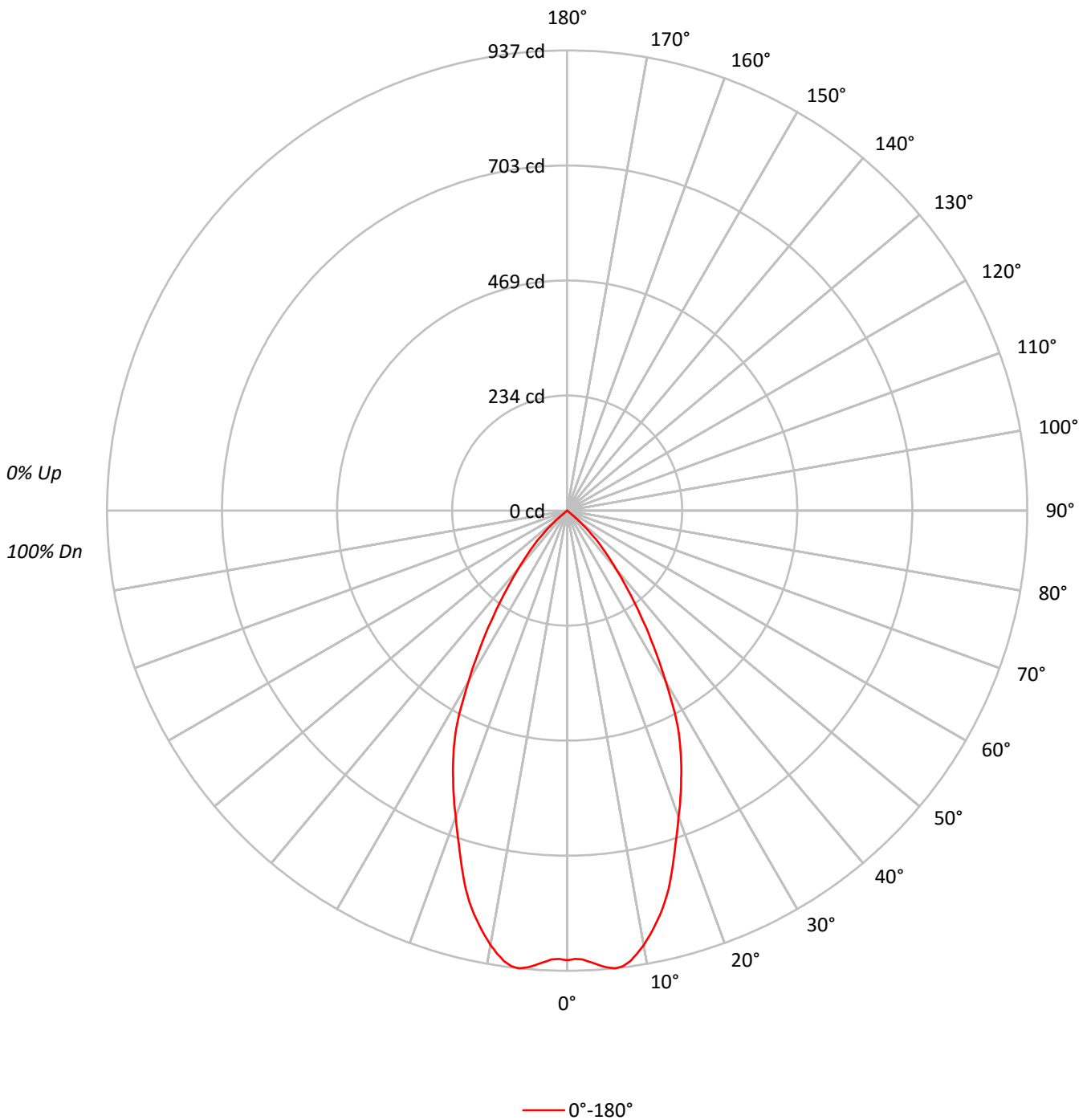
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220363

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220363

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3590-W-BK-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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	73	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	451738
5°	462478
10°	449990
15°	407759
20°	348471
25°	298377
30°	228623
35°	156961
40°	99057
45°	57564
50°	11974
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P220363

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	11.2
10°-20°	220.3	28.1
20°-30°	247.5	31.5
30°-40°	164.7	21.0
40°-50°	62.4	7.9
50°-60°	2.4	0.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	556.0	70.8
0°-40°	720.7	91.7
0°-60°	785.5	100.0
0°-90°	785.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	916	
5°	934	88
15°	798	220
25°	548	248
35°	261	165
45°	82	62
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220363

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	915.6
1°	913.0
2°	914.7
3°	920.8
4°	927.7
5°	933.8
6°	937.3
7°	934.7
8°	926.0
9°	913.0
10°	898.2
11°	880.8
12°	862.6
13°	843.5
14°	821.8
15°	798.3
16°	770.5
17°	741.8
18°	714.0
19°	688.8
20°	663.7
21°	641.1
22°	617.6
23°	594.2
24°	571.6
25°	548.1
26°	523.8
27°	496.9
28°	467.3
29°	433.5
30°	401.3
32.5°	327.5
35°	260.6
37.5°	202.4
40°	153.8
42.5°	115.5
45°	82.5
47.5°	46.9
50°	15.6
52.5°	1.7
55°	0.9
57.5°	0.9
60°	0.0
62.5°	0.0
65°	0.0



TEST NUMBER: P220363

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3590-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)