

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: P221022

Luminaire Tested: **9004-W1-FL-LED3597-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED3597-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2233.9 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

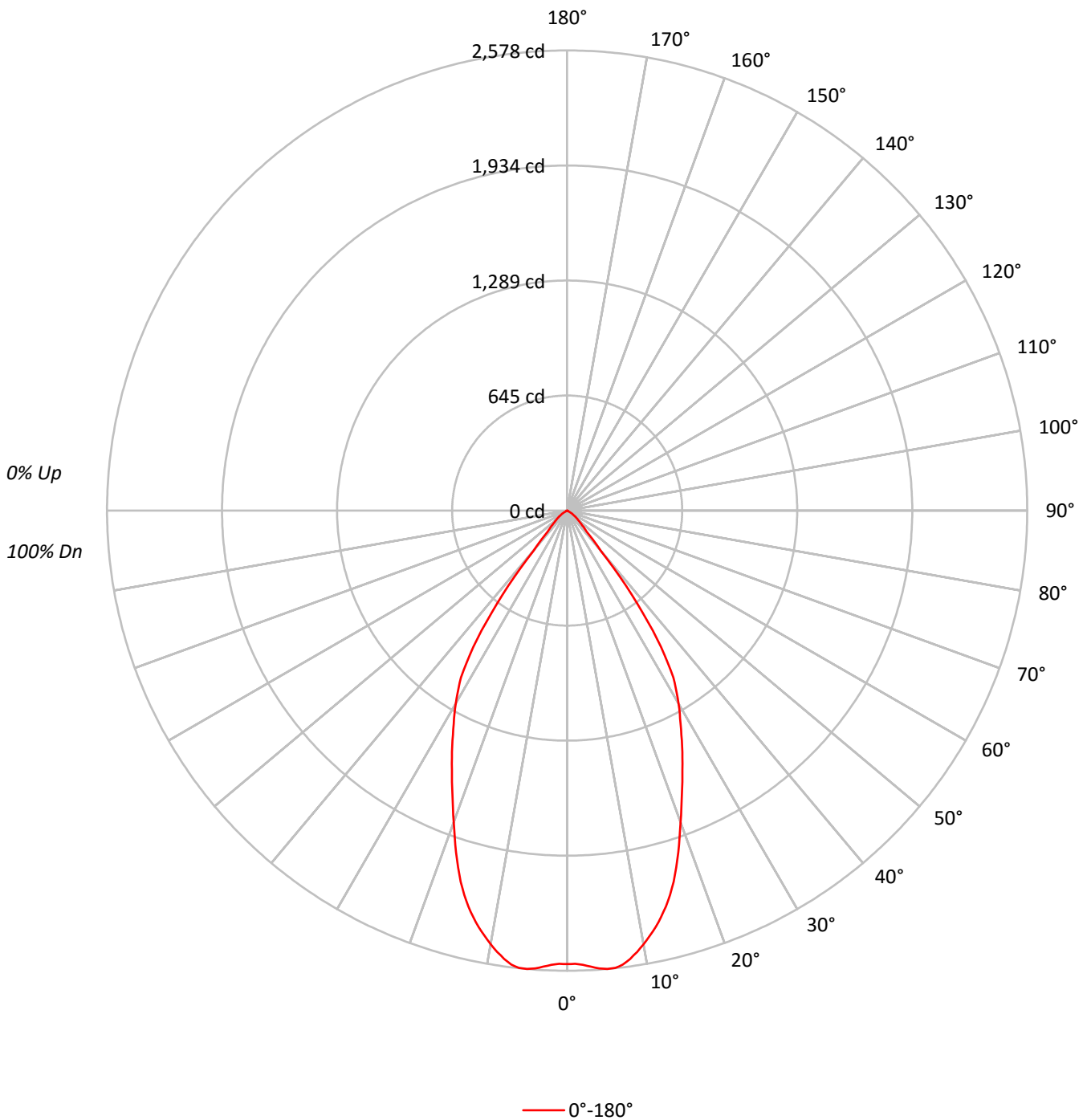
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56		63	59	55		63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52		60	55	52		59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313347
5°	319200
10°	309051
15°	284623
20°	243910
25°	208010
30°	177892
35°	132975
40°	47178
45°	22066
50°	14603
55°	9806
60°	4934
65°	1167
70°	866
75°	763
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	10.9
10°-20°	615.2	27.5
20°-30°	702.3	31.4
30°-40°	515.6	23.1
40°-50°	109.4	4.9
50°-60°	41.3	1.9
60°-70°	5.9	0.3
70°-80°	1.6	0.1
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°	1560.0	69.8
0°-40°	2075.6	92.9
0°-60°	2226.4	99.7
0°-90°	2233.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2233.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2540	
5°	2578	243
15°	2229	615
25°	1528	702
35°	883	516
45°	126	109
55°	46	41
65°	4	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2540.4
1°	2539.6
2°	2546.0
3°	2558.8
4°	2570.8
5°	2578.0
6°	2576.4
7°	2562.8
8°	2536.3
9°	2503.5
10°	2467.5
11°	2426.7
12°	2385.0
13°	2337.8
14°	2286.6
15°	2228.9
16°	2163.3
17°	2090.4
18°	2015.1
19°	1935.9
20°	1858.2
21°	1786.2
22°	1716.5
23°	1650.9
24°	1588.4
25°	1528.4
26°	1469.9
27°	1410.7
28°	1353.8
29°	1301.0
30°	1249.0
32.5°	1108.9
35°	883.1
37.5°	596.5
40°	293.0
42.5°	164.9
45°	126.5
47.5°	99.3
50°	76.1
52.5°	60.0
55°	45.6
57.5°	32.8
60°	20.0
62.5°	5.6
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	2.4
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)