

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: P220809

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED2797-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 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: 1816.6 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

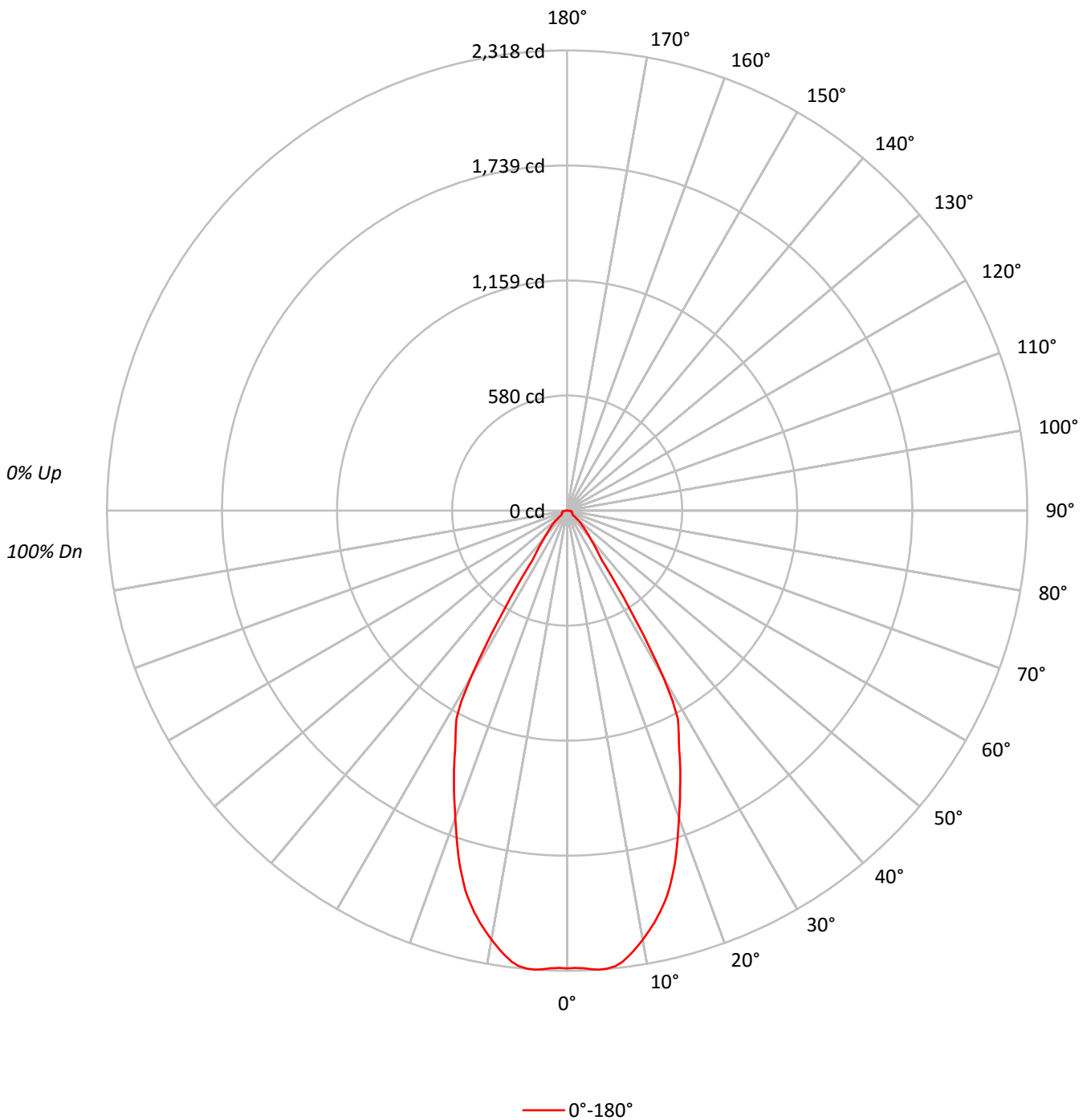
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284534
5°	286834
10°	274820
15°	252878
20°	216149
25°	181961
30°	137542
35°	45700
40°	29047
45°	19764
50°	11533
55°	6924
60°	7598
65°	8376
70°	9593
75°	11676
80°	13922
85°	13869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	12.0
10°-20°	546.2	30.1
20°-30°	611.8	33.7
30°-40°	255.9	14.1
40°-50°	88.8	4.9
50°-60°	32.3	1.8
60°-70°	28.5	1.6
70°-80°	25.3	1.4
80°-90°	10.7	0.6
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°	1375.1	75.7
0°-40°	1631.0	89.8
0°-60°	1752.1	96.5
0°-90°	1816.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1816.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2307	
5°	2317	217
15°	1980	546
25°	1337	612
35°	304	256
45°	113	89
55°	32	32
65°	29	28
75°	24	25
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2306.8
1°	2304.7
2°	2306.8
3°	2313.8
4°	2318.0
5°	2316.6
6°	2308.2
7°	2290.0
8°	2261.4
9°	2229.2
10°	2194.2
11°	2157.2
12°	2119.4
13°	2076.8
14°	2031.3
15°	1980.3
16°	1919.4
17°	1855.8
18°	1787.3
19°	1716.0
20°	1646.7
21°	1582.4
22°	1520.2
23°	1458.6
24°	1398.5
25°	1337.0
26°	1283.1
27°	1235.6
28°	1186.6
29°	1097.1
30°	965.7
32.5°	579.0
35°	303.5
37.5°	232.2
40°	180.4
42.5°	140.5
45°	113.3
47.5°	90.9
50°	60.1
52.5°	35.7
55°	32.2
57.5°	31.5
60°	30.8
62.5°	30.1
65°	28.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.3
70°	26.6
72.5°	25.9
75°	24.5
77.5°	22.4
80°	19.6
82.5°	15.4
85°	9.8
87.5°	4.2
90°	0.0

(END OF REPORT)