

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: P220787

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220787
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]-LED2790-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 819.3 lumens
Efficiency: N/A
Efficacy: 83.6 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

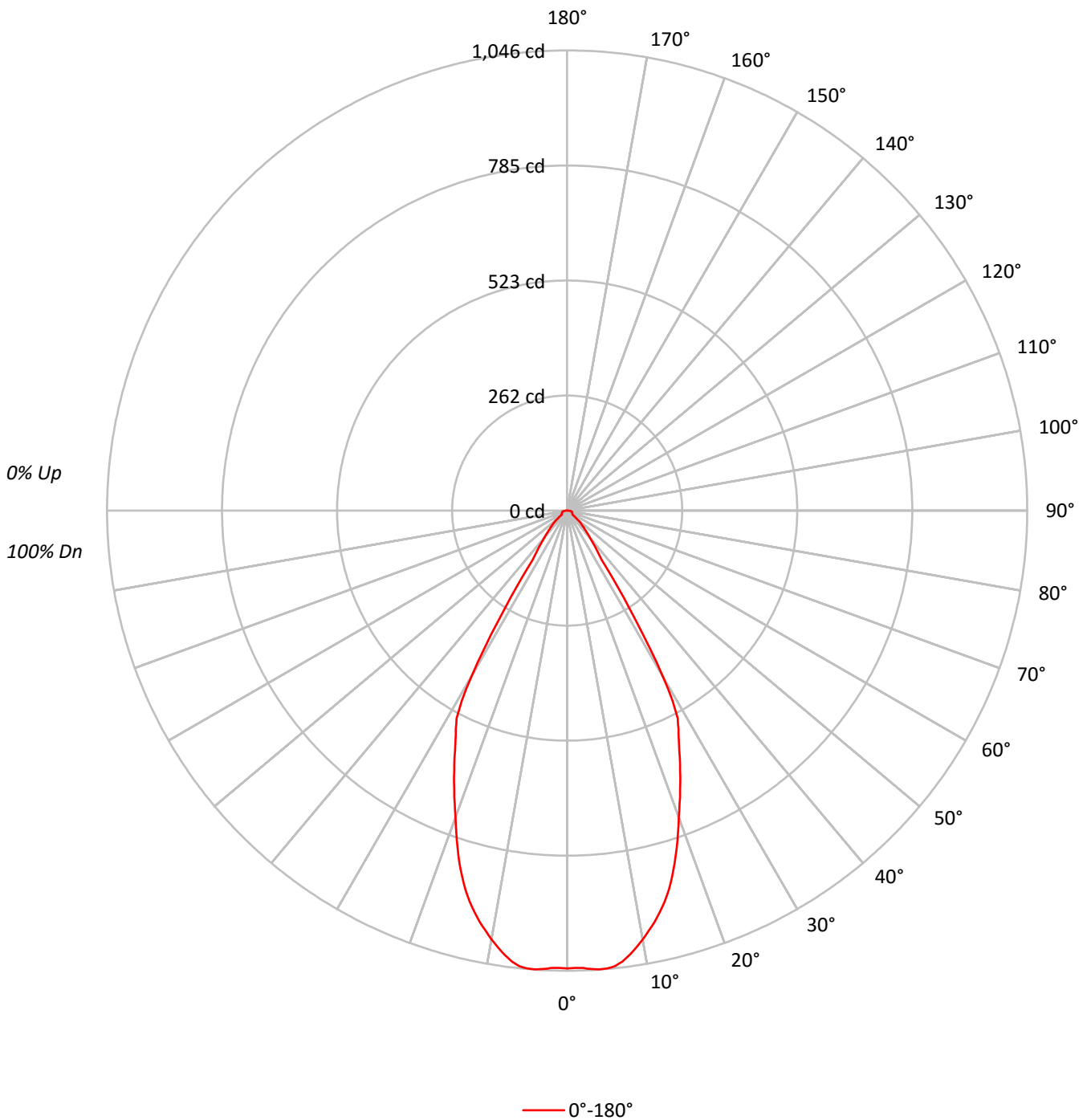
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	128341
5°	129376
10°	123958
15°	114059
20°	97488
25°	82066
30°	62027
35°	20614
40°	13107
45°	8914
50°	5200
55°	3118
60°	3429
65°	3765
70°	4328
75°	5242
80°	6251
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	12.0
10°-20°	246.3	30.1
20°-30°	275.9	33.7
30°-40°	115.4	14.1
40°-50°	40.1	4.9
50°-60°	14.6	1.8
60°-70°	12.8	1.6
70°-80°	11.4	1.4
80°-90°	4.8	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°	620.2	75.7
0°-40°	735.6	89.8
0°-60°	790.2	96.5
0°-90°	819.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1040	
5°	1045	98
15°	893	246
25°	603	276
35°	137	115
45°	51	40
55°	14	15
65°	13	13
75°	11	11
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1040.5
1°	1039.5
2°	1040.5
3°	1043.6
4°	1045.5
5°	1044.9
6°	1041.1
7°	1032.9
8°	1020.0
9°	1005.4
10°	989.7
11°	973.0
12°	955.9
13°	936.7
14°	916.2
15°	893.2
16°	865.7
17°	837.0
18°	806.1
19°	774.0
20°	742.7
21°	713.7
22°	685.6
23°	657.9
24°	630.8
25°	603.0
26°	578.7
27°	557.3
28°	535.2
29°	494.8
30°	435.5
32.5°	261.1
35°	136.9
37.5°	104.7
40°	81.4
42.5°	63.4
45°	51.1
47.5°	41.0
50°	27.1
52.5°	16.1
55°	14.5
57.5°	14.2
60°	13.9
62.5°	13.6
65°	12.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.3
70°	12.0
72.5°	11.7
75°	11.0
77.5°	10.1
80°	8.8
82.5°	6.9
85°	4.4
87.5°	1.9
90°	0.0

(END OF REPORT)