

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: P220848

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)
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-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1441.2 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

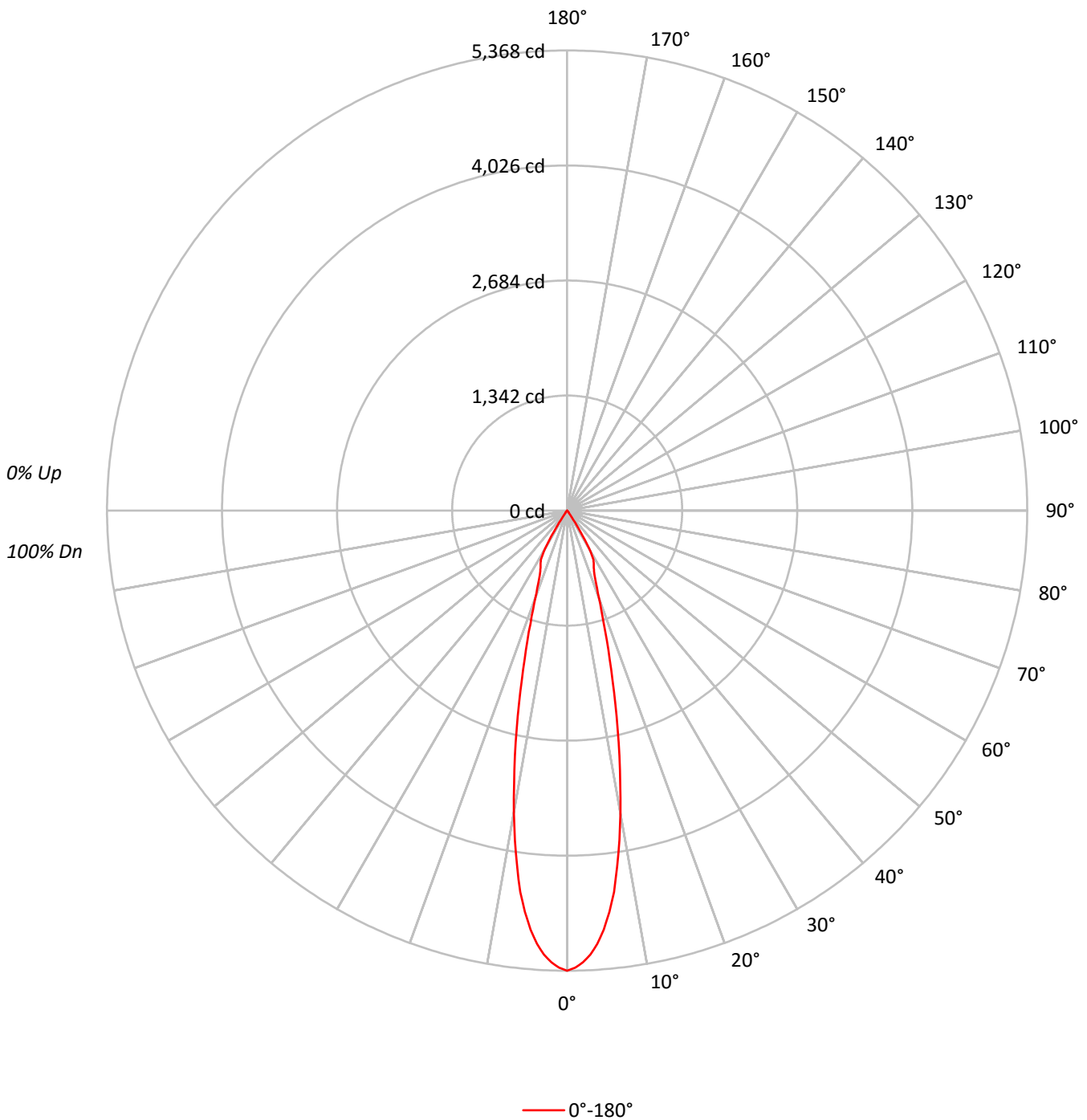
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	73	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	662107
5°	607458
10°	448189
15°	261600
20°	141868
25°	100249
30°	72652
35°	9035
40°	3092
45°	1221
50°	787
55°	624
60°	419
65°	350
70°	216
75°	286
80°	426
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	29.5
10°-20°	570.5	39.6
20°-30°	346.1	24.0
30°-40°	88.5	6.1
40°-50°	6.3	0.4
50°-60°	2.6	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.0
80°-90°	0.1	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°	1341.9	93.1
0°-40°	1430.5	99.3
0°-60°	1439.3	99.9
0°-90°	1441.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5368	
5°	4906	425
15°	2049	570
25°	737	346
35°	60	89
45°	7	6
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5367.9
1°	5333.6
2°	5272.4
3°	5185.1
4°	5065.7
5°	4906.1
6°	4707.0
7°	4482.8
8°	4196.3
9°	3890.5
10°	3578.4
11°	3250.0
12°	2927.4
13°	2618.7
14°	2322.3
15°	2048.6
16°	1804.1
17°	1583.4
18°	1386.5
19°	1220.6
20°	1080.8
21°	970.7
22°	883.4
23°	818.8
24°	772.8
25°	736.6
26°	707.5
27°	682.5
28°	652.8
29°	598.6
30°	510.1
32.5°	242.8
35°	60.0
37.5°	32.6
40°	19.2
42.5°	8.7
45°	7.0
47.5°	5.8
50°	4.1
52.5°	3.5
55°	2.9
57.5°	2.3
60°	1.7
62.5°	1.7
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)