

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: P220325

Luminaire Tested: **9002-W1-[RW, RI]-LED2797-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
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]-LED2797-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.1 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

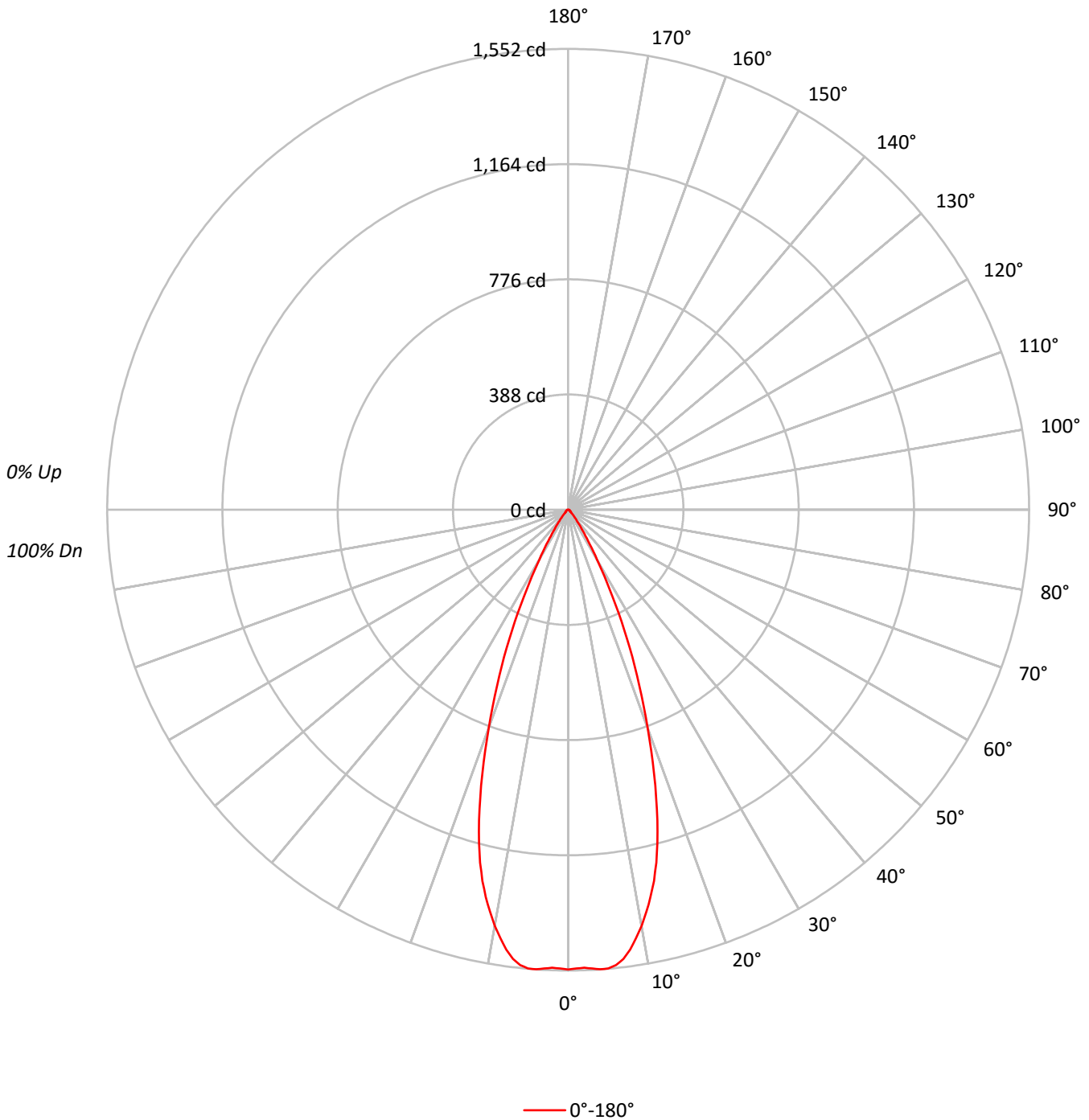
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	764048
5°	768056
10°	712609
15°	593071
20°	409954
25°	243176
30°	110181
35°	49088
40°	22285
45°	11583
50°	7752
55°	7484
60°	7105
65°	6771
70°	7357
75°	8197
80°	8240
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	19.2
10°-20°	312.6	41.6
20°-30°	204.3	27.2
30°-40°	56.5	7.5
40°-50°	14.3	1.9
50°-60°	7.6	1.0
60°-70°	6.0	0.8
70°-80°	4.3	0.6
80°-90°	1.6	0.2
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°	660.9	88.0
0°-40°	717.4	95.5
0°-60°	739.2	98.4
0°-90°	751.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1549	
5°	1551	144
15°	1161	313
25°	447	204
35°	82	56
45°	17	14
55°	9	8
65°	6	6
75°	4	4
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1548.6
1°	1545.0
2°	1543.6
3°	1547.2
4°	1551.5
5°	1550.8
6°	1542.2
7°	1524.1
8°	1496.0
9°	1460.6
10°	1422.4
11°	1379.8
12°	1333.6
13°	1283.1
14°	1225.4
15°	1161.1
16°	1089.0
17°	1013.2
18°	935.2
19°	858.0
20°	780.8
22.5°	604.7
25°	446.7
26°	388.2
27°	329.8
28°	277.8
29°	230.9
30°	193.4
32.5°	123.4
35°	81.5
37.5°	52.7
40°	34.6
42.5°	23.8
45°	16.6
47.5°	12.3
50°	10.1
52.5°	8.7
55°	8.7
57.5°	7.9
60°	7.2
62.5°	6.5
65°	5.8
67.5°	5.8
70°	5.1
72.5°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.3
77.5°	3.6
80°	2.9
82.5°	2.2
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)