

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: P220477

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1498.4 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

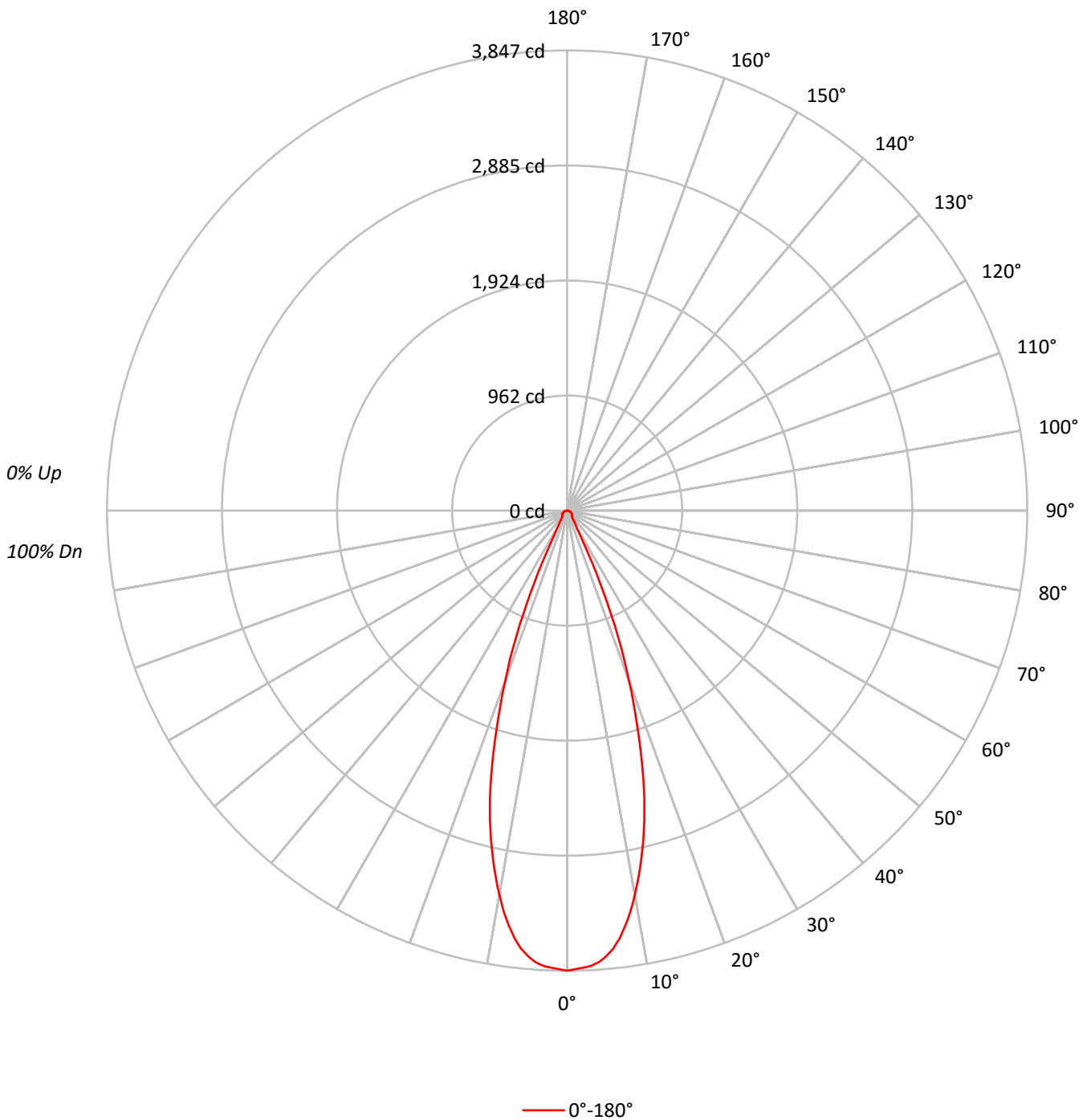
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	843507
5°	823529
10°	726439
15°	565270
20°	353087
25°	137863
30°	37575
35°	22004
40°	17604
45°	17831
50°	18797
55°	19230
60°	18902
65°	17382
70°	14810
75°	13556
80°	15153
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.9	22.8
10°-20°	667.4	44.5
20°-30°	286.3	19.1
30°-40°	56.5	3.8
40°-50°	44.8	3.0
50°-60°	44.6	3.0
60°-70°	33.0	2.2
70°-80°	17.7	1.2
80°-90°	6.2	0.4
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°	1295.6	86.5
0°-40°	1352.1	90.2
0°-60°	1441.4	96.2
0°-90°	1498.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3847	
5°	3741	342
15°	2490	667
25°	570	286
35°	82	56
45°	58	45
55°	50	45
65°	34	33
75°	16	18
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3846.7
1°	3835.5
2°	3823.5
3°	3812.3
4°	3786.0
5°	3741.3
6°	3681.5
7°	3603.3
8°	3503.5
9°	3391.0
10°	3262.5
11°	3125.2
12°	2982.4
13°	2827.5
14°	2664.7
15°	2490.0
16°	2303.2
17°	2106.9
18°	1904.2
19°	1705.5
20°	1513.1
21°	1330.4
22°	1134.0
23°	932.9
24°	741.4
25°	569.8
26°	420.6
27°	297.7
28°	212.3
29°	168.4
30°	148.4
32.5°	112.5
35°	82.2
37.5°	67.0
40°	61.5
42.5°	59.1
45°	57.5
47.5°	56.7
50°	55.1
52.5°	52.7
55°	50.3
57.5°	47.1
60°	43.1
62.5°	39.1
65°	33.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.9
70°	23.1
72.5°	19.2
75°	16.0
77.5°	14.4
80°	12.0
82.5°	8.8
85°	5.6
87.5°	2.4
90°	0.0

(END OF REPORT)