

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: P220528

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1151.2 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

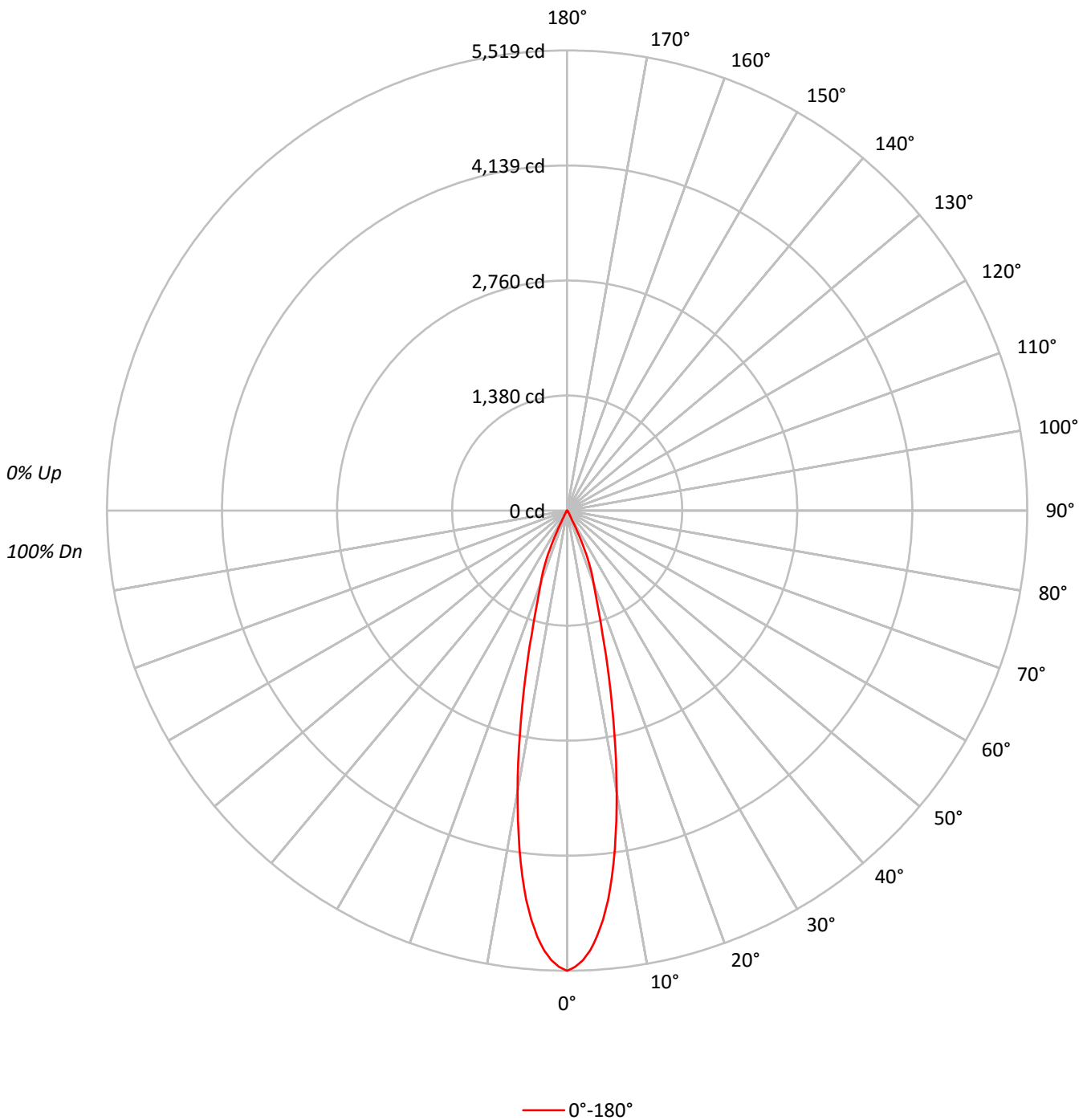
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	99	95	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88		92	89	87		91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85		89	87	84		88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1210298
5°	1084567
10°	761977
15°	408901
20°	215105
25°	96151
30°	18585
35°	6826
40°	3893
45°	3225
50°	2729
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.5	36.6
10°-20°	508.0	44.1
20°-30°	185.4	16.1
30°-40°	20.5	1.8
40°-50°	8.1	0.7
50°-60°	5.1	0.4
60°-70°	2.4	0.2
70°-80°	0.3	0.0
80°-90°	0.0	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°	1114.9	96.8
0°-40°	1135.4	98.6
0°-60°	1148.6	99.8
0°-90°	1151.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1151.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5519	
5°	4927	422
15°	1801	508
25°	397	185
35°	26	20
45°	10	8
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5519.4
1°	5474.7
2°	5396.5
3°	5281.6
4°	5122.8
5°	4927.2
6°	4693.4
7°	4418.9
8°	4107.6
9°	3770.1
10°	3422.1
11°	3071.7
12°	2724.6
13°	2396.6
14°	2083.7
15°	1801.2
16°	1541.9
17°	1330.4
18°	1158.8
19°	1023.1
20°	921.8
21°	838.8
22°	743.8
23°	631.3
24°	514.0
25°	397.4
26°	286.5
27°	187.5
28°	118.1
29°	86.2
30°	73.4
32.5°	49.5
35°	25.5
37.5°	16.8
40°	13.6
42.5°	12.0
45°	10.4
47.5°	8.8
50°	8.0
52.5°	6.4
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)