

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: P220488

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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]-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 958.7 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

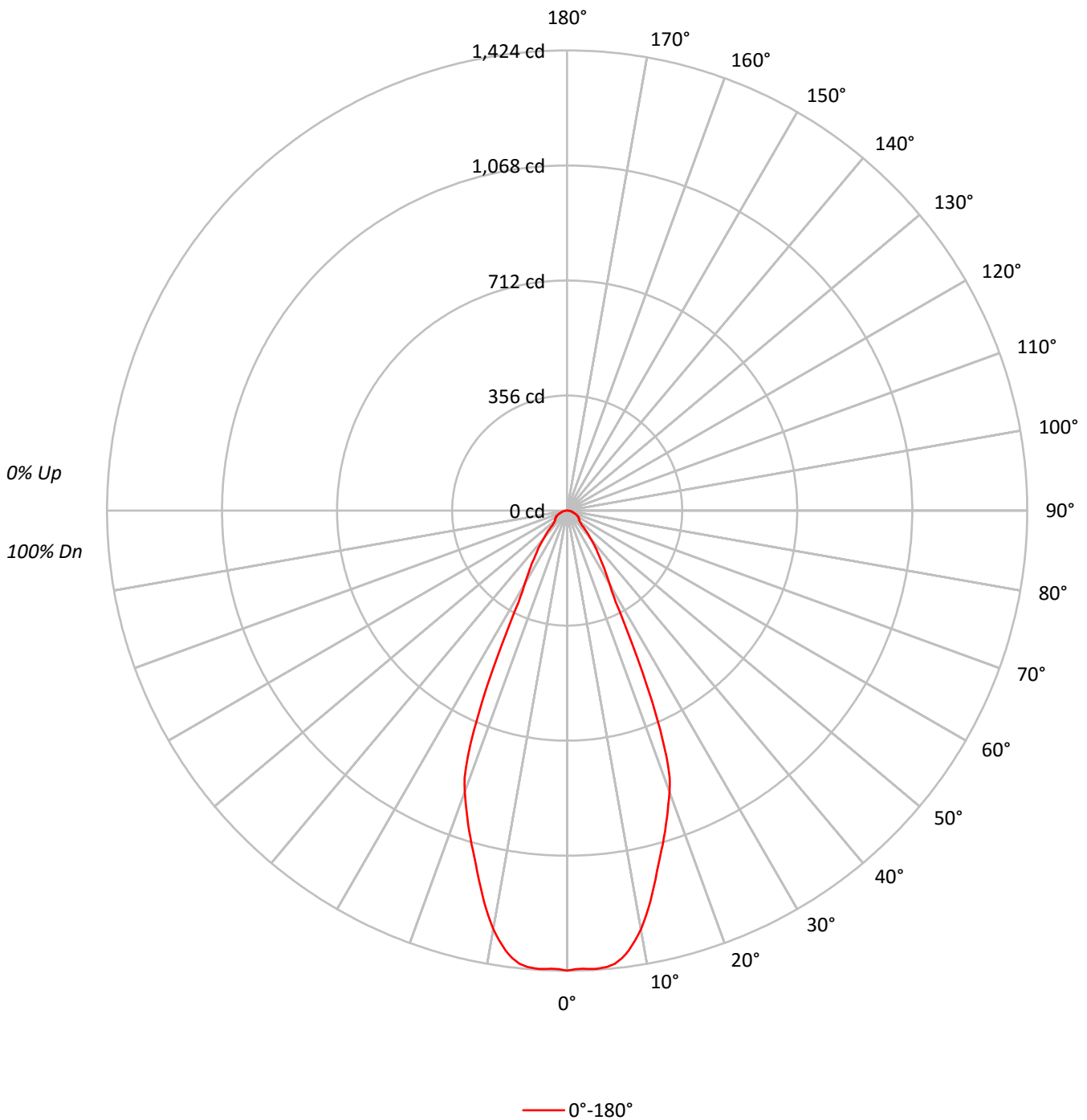
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	312146
5°	311996
10°	292758
15°	251806
20°	216249
25°	133169
30°	66466
35°	46605
40°	32404
45°	20777
50°	16921
55°	17242
60°	17542
65°	16967
70°	15195
75°	14318
80°	15659
85°	15599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	13.8
10°-20°	310.4	32.4
20°-30°	251.9	26.3
30°-40°	111.4	11.6
40°-50°	55.8	5.8
50°-60°	40.2	4.2
60°-70°	31.8	3.3
70°-80°	18.1	1.9
80°-90°	6.7	0.7
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°	694.5	72.4
0°-40°	805.9	84.1
0°-60°	901.9	94.1
0°-90°	958.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1424	
5°	1417	132
15°	1109	310
25°	550	252
35°	174	111
45°	67	56
55°	45	40
65°	33	32
75°	17	18
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1423.5
1°	1419.6
2°	1418.5
3°	1420.7
4°	1420.7
5°	1417.4
6°	1410.0
7°	1395.4
8°	1374.0
9°	1346.4
10°	1314.8
11°	1278.2
12°	1237.6
13°	1193.7
14°	1150.3
15°	1109.2
16°	1073.7
17°	1036.5
18°	999.4
19°	962.2
20°	926.7
21°	885.6
22°	820.8
23°	737.4
24°	646.1
25°	550.4
26°	460.2
27°	380.3
28°	319.4
29°	284.5
30°	262.5
32.5°	215.2
35°	174.1
37.5°	143.7
40°	113.2
42.5°	89.6
45°	67.0
47.5°	54.1
50°	49.6
52.5°	47.3
55°	45.1
57.5°	42.3
60°	40.0
62.5°	36.6
65°	32.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.6
70°	23.7
72.5°	19.2
75°	16.9
77.5°	14.6
80°	12.4
82.5°	9.6
85°	6.2
87.5°	2.8
90°	0.0

(END OF REPORT)