

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: P220453

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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]-LED4080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 937.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

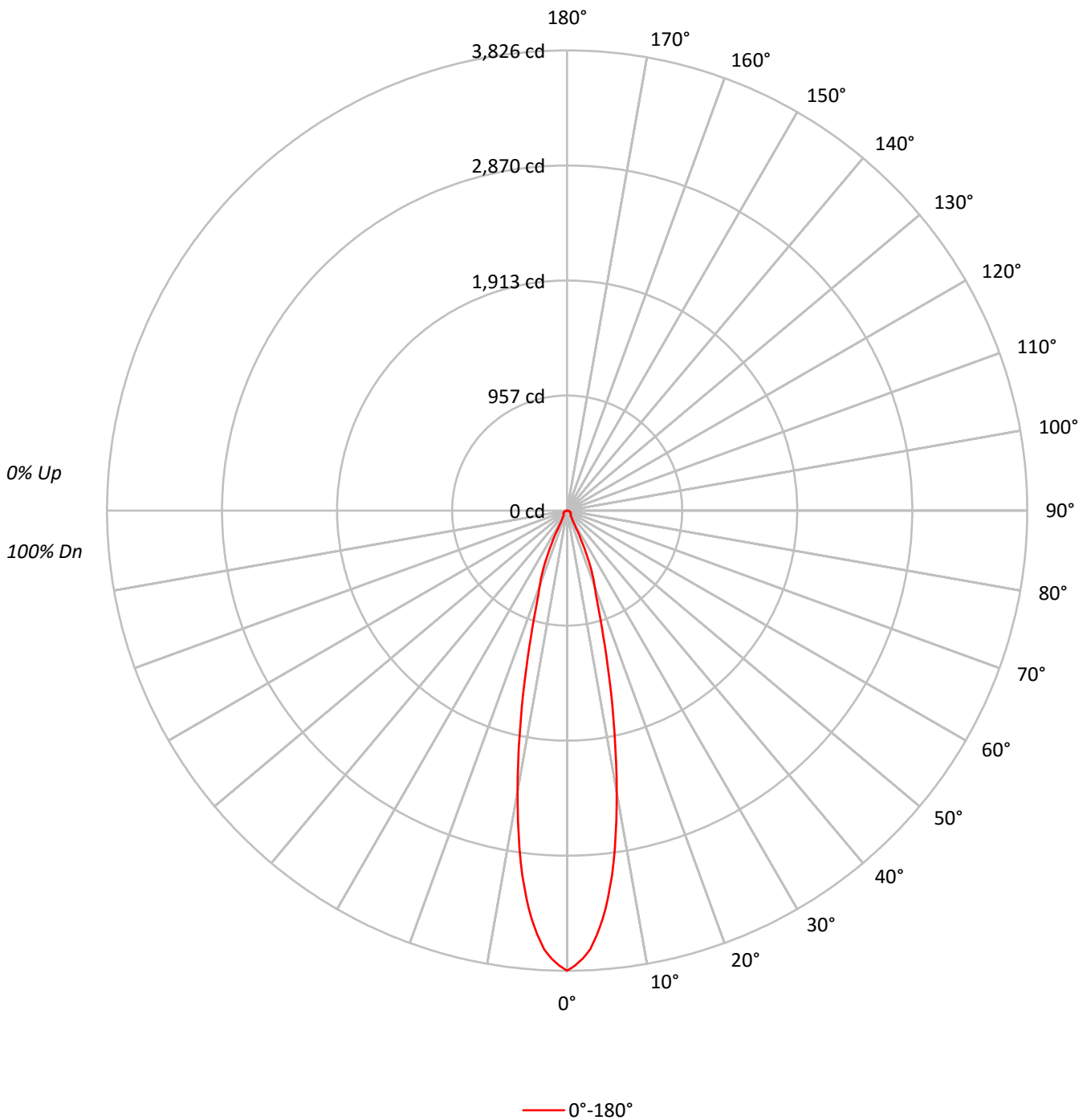
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	100	97	94		97	94	92		94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69		75	71	69		74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67		73	69	67		72	69	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	839034
5°	749613
10°	528492
15°	287198
20°	155390
25°	74133
30°	21421
35°	13947
40°	12738
45°	13118
50°	13884
55°	14719
60°	14516
65°	13802
70°	11476
75°	10082
80°	11618
85°	10819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	31.1
10°-20°	357.0	38.1
20°-30°	142.8	15.2
30°-40°	35.8	3.8
40°-50°	32.9	3.5
50°-60°	33.9	3.6
60°-70°	25.8	2.7
70°-80°	13.3	1.4
80°-90°	4.8	0.5
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°	791.4	84.4
0°-40°	827.2	88.2
0°-60°	894.0	95.3
0°-90°	937.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3826	
5°	3406	292
15°	1265	357
25°	306	143
35°	52	36
45°	42	33
55°	38	34
65°	27	26
75°	12	13
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3826.3
1°	3784.0
2°	3727.1
3°	3652.8
4°	3536.7
5°	3405.5
6°	3241.2
7°	3059.0
8°	2844.2
9°	2610.0
10°	2373.5
11°	2132.8
12°	1895.8
13°	1674.5
14°	1460.9
15°	1265.1
16°	1087.8
17°	943.6
18°	825.9
19°	734.2
20°	665.9
21°	608.4
22°	542.8
23°	467.4
24°	386.1
25°	306.4
26°	229.4
27°	163.8
28°	115.5
29°	93.3
30°	84.6
32.5°	67.8
35°	52.1
37.5°	46.6
40°	44.5
42.5°	43.4
45°	42.3
47.5°	41.8
50°	40.7
52.5°	40.1
55°	38.5
57.5°	35.8
60°	33.1
62.5°	30.4
65°	26.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.7
70°	17.9
72.5°	14.1
75°	11.9
77.5°	10.8
80°	9.2
82.5°	6.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)