

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: P220437

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1012.9 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

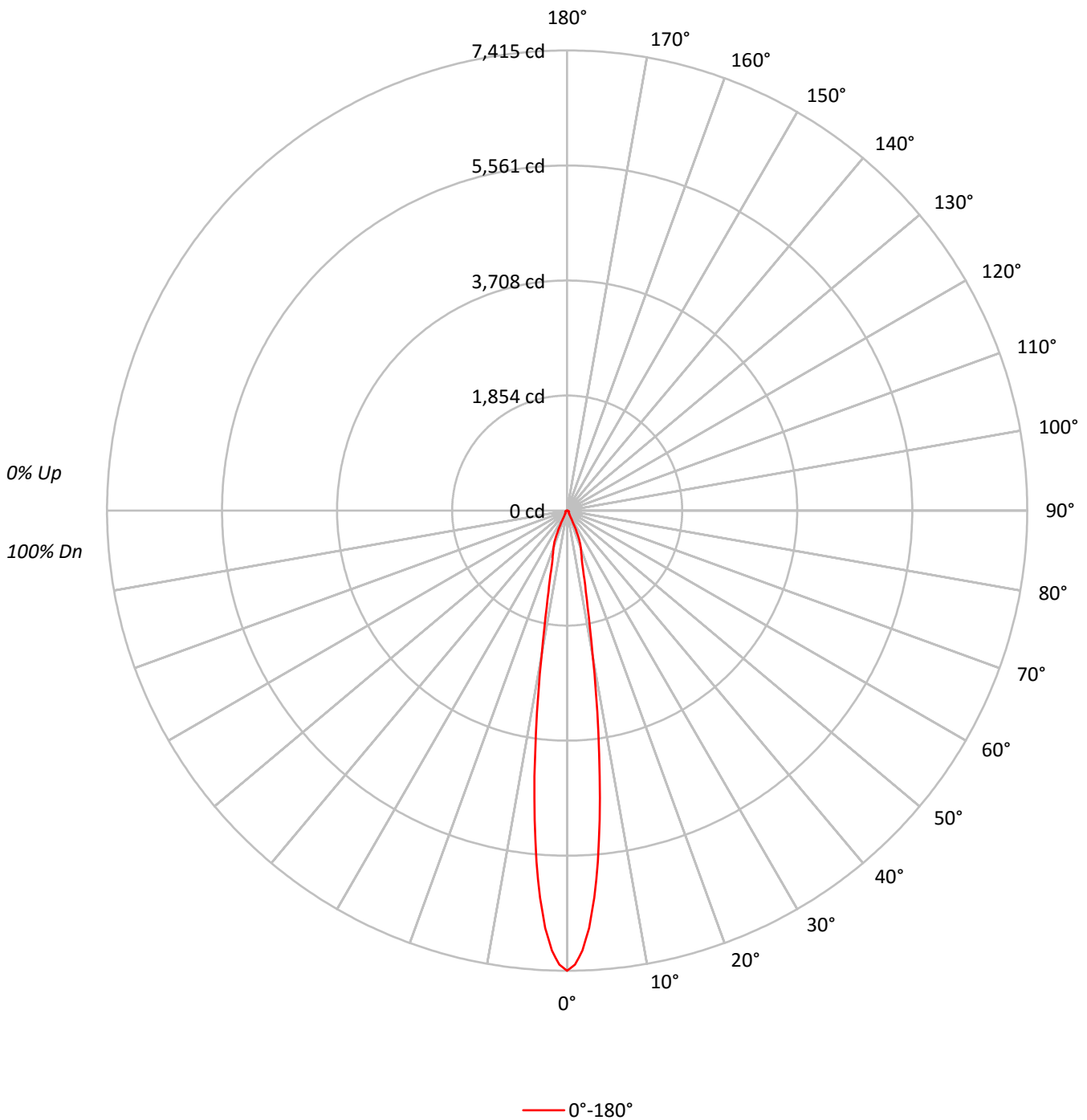
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1626010
5°	1249171
10°	529583
15°	227243
20°	151166
25°	71956
30°	17699
35°	13117
40°	12566
45°	12590
50°	12861
55°	14413
60°	14560
65°	13439
70°	11220
75°	9997
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.8	42.2
10°-20°	306.1	30.2
20°-30°	138.4	13.7
30°-40°	32.7	3.2
40°-50°	31.4	3.1
50°-60°	33.0	3.3
60°-70°	25.5	2.5
70°-80°	13.2	1.3
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°	872.4	86.1
0°-40°	905.0	89.4
0°-60°	969.5	95.7
0°-90°	1012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7415	
5°	5675	428
15°	1001	306
25°	297	138
35°	49	33
45°	41	31
55°	38	33
65°	26	25
75°	12	13
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7415.2
1°	7318.3
2°	7092.9
3°	6735.8
4°	6255.3
5°	5675.0
6°	5010.3
7°	4314.0
8°	3610.4
9°	2953.0
10°	2378.4
11°	1921.0
12°	1586.3
13°	1340.7
14°	1148.6
15°	1001.0
16°	882.2
17°	802.2
18°	742.5
19°	690.6
20°	647.8
22.5°	514.9
25°	297.4
26°	216.9
27°	147.6
28°	98.0
29°	77.2
30°	69.9
32.5°	58.6
35°	49.0
37.5°	45.6
40°	43.9
42.5°	42.3
45°	40.6
47.5°	38.9
50°	37.7
52.5°	37.7
55°	37.7
57.5°	36.6
60°	33.2
62.5°	30.4
65°	25.9
67.5°	21.4
70°	17.5
72.5°	14.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	11.8
77.5°	10.7
80°	9.0
82.5°	6.8
85°	4.5
87.5°	1.7
90°	0.0

(END OF REPORT)