

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: P220445

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220445
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-L2-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: 1867.9 lumens
Efficiency: N/A
Efficacy: 92.9 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

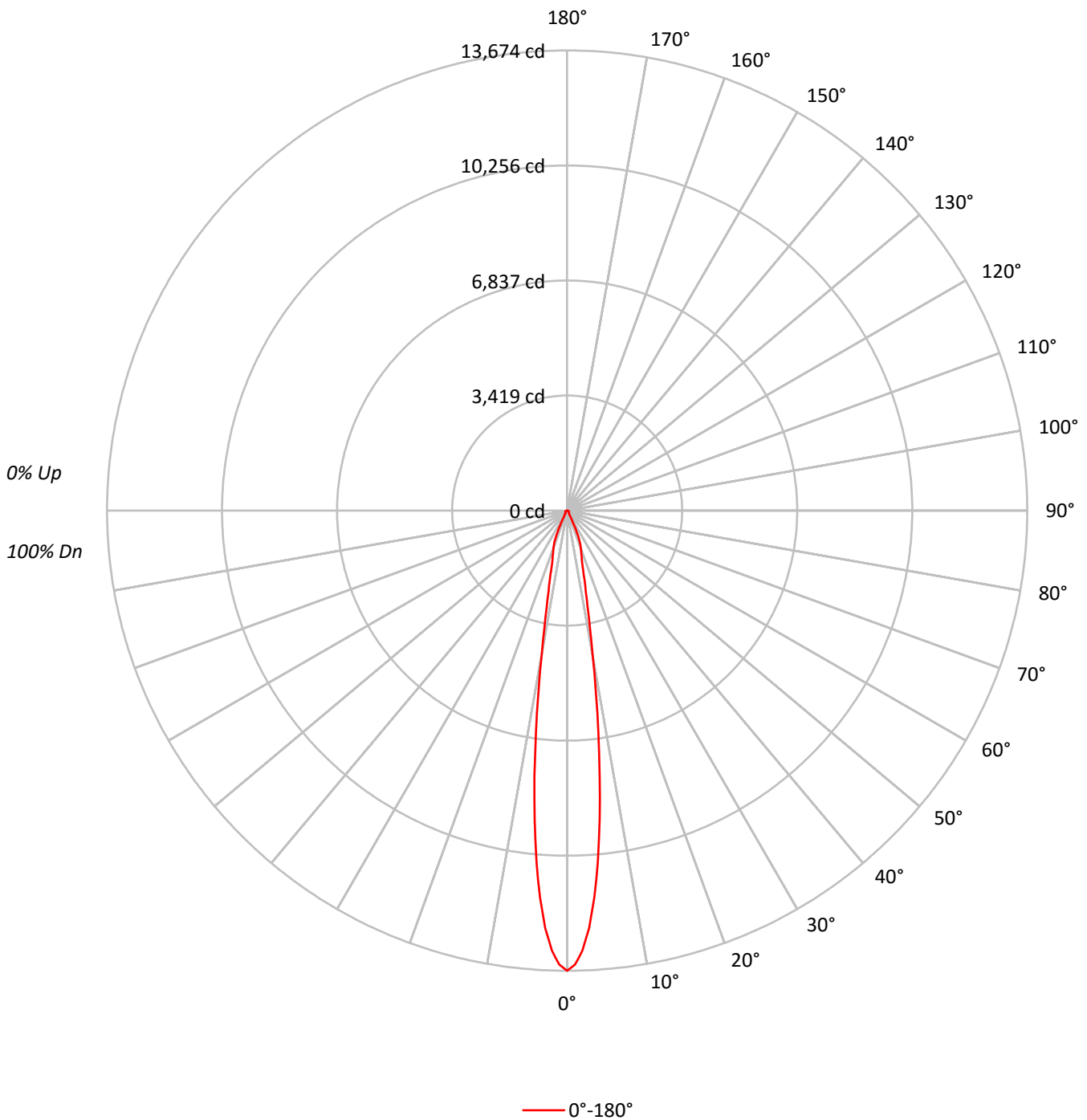
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	74	72	78	74	72		77	74	71		77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2998488
5°	2303582
10°	976602
15°	419072
20°	278788
25°	132709
30°	32613
35°	24199
40°	23186
45°	23196
50°	23743
55°	26608
60°	26884
65°	24802
70°	20645
75°	18470
80°	20962
85°	20882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.9	42.2
10°-20°	564.5	30.2
20°-30°	255.3	13.7
30°-40°	60.3	3.2
40°-50°	57.9	3.1
50°-60°	61.0	3.3
60°-70°	47.0	2.5
70°-80°	24.2	1.3
80°-90°	8.8	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°	1608.7	86.1
0°-40°	1669.0	89.4
0°-60°	1787.9	95.7
0°-90°	1867.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13674	
5°	10465	789
15°	1846	565
25°	548	255
35°	90	60
45°	75	58
55°	70	61
65°	48	47
75°	22	24
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13674.2
1°	13495.5
2°	13080.0
3°	12421.3
4°	11535.2
5°	10465.2
6°	9239.4
7°	7955.4
8°	6657.9
9°	5445.6
10°	4386.0
11°	3542.4
12°	2925.4
13°	2472.4
14°	2118.2
15°	1846.0
16°	1626.8
17°	1479.3
18°	1369.2
19°	1273.6
20°	1194.7
22.5°	949.5
25°	548.5
26°	400.0
27°	272.2
28°	180.8
29°	142.3
30°	128.8
32.5°	108.0
35°	90.4
37.5°	84.1
40°	81.0
42.5°	77.9
45°	74.8
47.5°	71.7
50°	69.6
52.5°	69.6
55°	69.6
57.5°	67.5
60°	61.3
62.5°	56.1
65°	47.8
67.5°	39.5
70°	32.2
72.5°	26.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	21.8
77.5°	19.7
80°	16.6
82.5°	12.5
85°	8.3
87.5°	3.1
90°	0.0

(END OF REPORT)