

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: P220462

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220462
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]-LED5080-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1796.6 lumens
Efficiency: N/A
Efficacy: 89.4 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

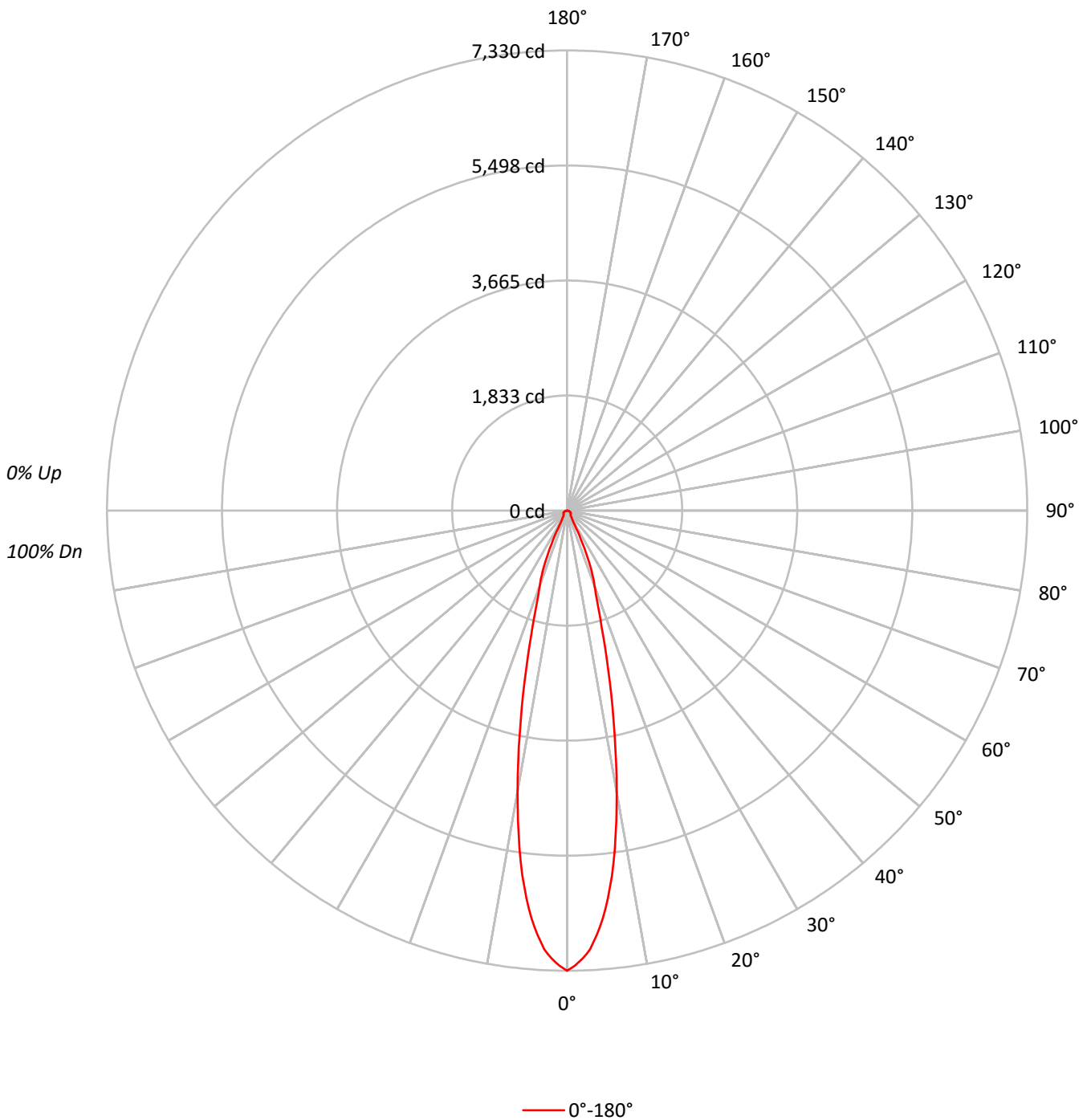
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92	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°	1607327
5°	1436030
10°	1012451
15°	550196
20°	297689
25°	142000
30°	41044
35°	26689
40°	24389
45°	25119
50°	26575
55°	28214
60°	27805
65°	26410
70°	21991
75°	19402
80°	22351
85°	20882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.6	31.1
10°-20°	684.0	38.1
20°-30°	273.6	15.2
30°-40°	68.5	3.8
40°-50°	63.0	3.5
50°-60°	64.9	3.6
60°-70°	49.3	2.7
70°-80°	25.5	1.4
80°-90°	9.2	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°	1516.2	84.4
0°-40°	1584.7	88.2
0°-60°	1712.6	95.3
0°-90°	1796.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7330	
5°	6524	559
15°	2424	684
25°	587	274
35°	100	69
45°	81	63
55°	74	65
65°	51	49
75°	23	26
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7330.0
1°	7249.0
2°	7139.9
3°	6997.6
4°	6775.3
5°	6523.9
6°	6209.1
7°	5860.1
8°	5448.7
9°	4999.9
10°	4547.0
11°	4085.7
12°	3631.8
13°	3207.9
14°	2798.6
15°	2423.6
16°	2083.9
17°	1807.6
18°	1582.1
19°	1406.6
20°	1275.7
21°	1165.6
22°	1039.9
23°	895.5
24°	739.7
25°	586.9
26°	439.4
27°	313.7
28°	221.3
29°	178.7
30°	162.1
32.5°	129.9
35°	99.7
37.5°	89.3
40°	85.2
42.5°	83.1
45°	81.0
47.5°	80.0
50°	77.9
52.5°	76.9
55°	73.8
57.5°	68.6
60°	63.4
62.5°	58.2
65°	50.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	41.6
70°	34.3
72.5°	27.0
75°	22.9
77.5°	20.8
80°	17.7
82.5°	12.5
85°	8.3
87.5°	4.2
90°	0.0

(END OF REPORT)