

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: P220446

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2797-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220446
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]-LED2797-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1257.3 lumens
Efficiency: N/A
Efficacy: 62.6 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

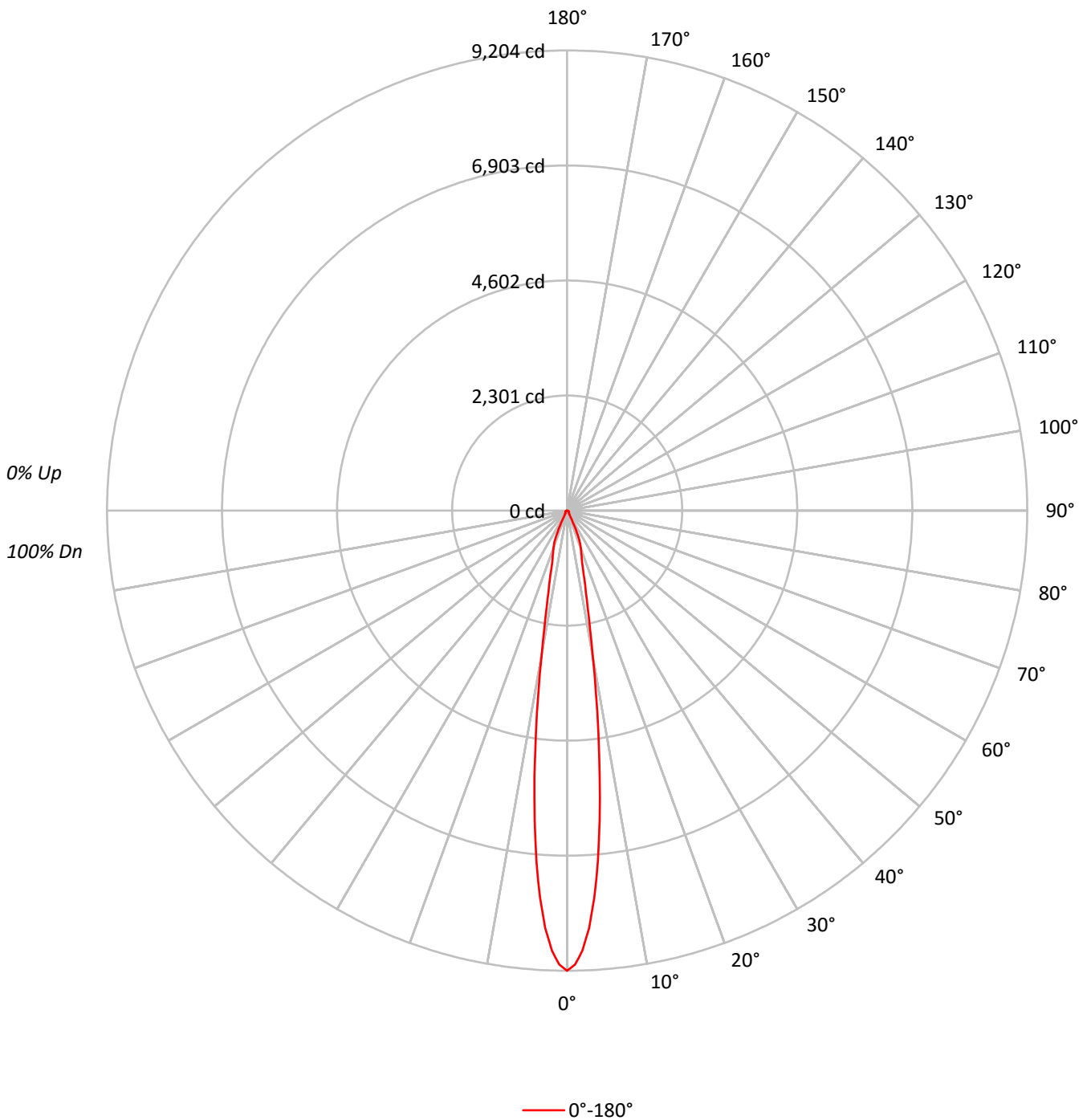
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2018303
5°	1550557
10°	657347
15°	282090
20°	187640
25°	89328
30°	21953
35°	16276
40°	15601
45°	15599
50°	15965
55°	17892
60°	18113
65°	16707
70°	13913
75°	12454
80°	14143
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.0	42.2
10°-20°	380.0	30.2
20°-30°	171.8	13.7
30°-40°	40.5	3.2
40°-50°	38.9	3.1
50°-60°	41.0	3.3
60°-70°	31.7	2.5
70°-80°	16.3	1.3
80°-90°	5.9	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°	1082.8	86.1
0°-40°	1123.4	89.4
0°-60°	1203.4	95.7
0°-90°	1257.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9204	
5°	7044	531
15°	1243	380
25°	369	172
35°	61	41
45°	50	39
55°	47	41
65°	32	32
75°	15	16
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9204.2
1°	9083.9
2°	8804.2
3°	8360.9
4°	7764.5
5°	7044.2
6°	6219.1
7°	5354.8
8°	4481.5
9°	3665.5
10°	2952.2
11°	2384.4
12°	1969.1
13°	1664.2
14°	1425.8
15°	1242.6
16°	1095.0
17°	995.7
18°	921.6
19°	857.3
20°	804.1
22.5°	639.1
25°	369.2
26°	269.2
27°	183.2
28°	121.7
29°	95.8
30°	86.7
32.5°	72.7
35°	60.8
37.5°	56.6
40°	54.5
42.5°	52.4
45°	50.3
47.5°	48.2
50°	46.8
52.5°	46.8
55°	46.8
57.5°	45.5
60°	41.3
62.5°	37.8
65°	32.2
67.5°	26.6
70°	21.7
72.5°	17.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	14.7
77.5°	13.3
80°	11.2
82.5°	8.4
85°	5.6
87.5°	2.1
90°	0.0

(END OF REPORT)