

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: P220433

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220433
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]-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 735.6 lumens
Efficiency: N/A
Efficacy: 75.1 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

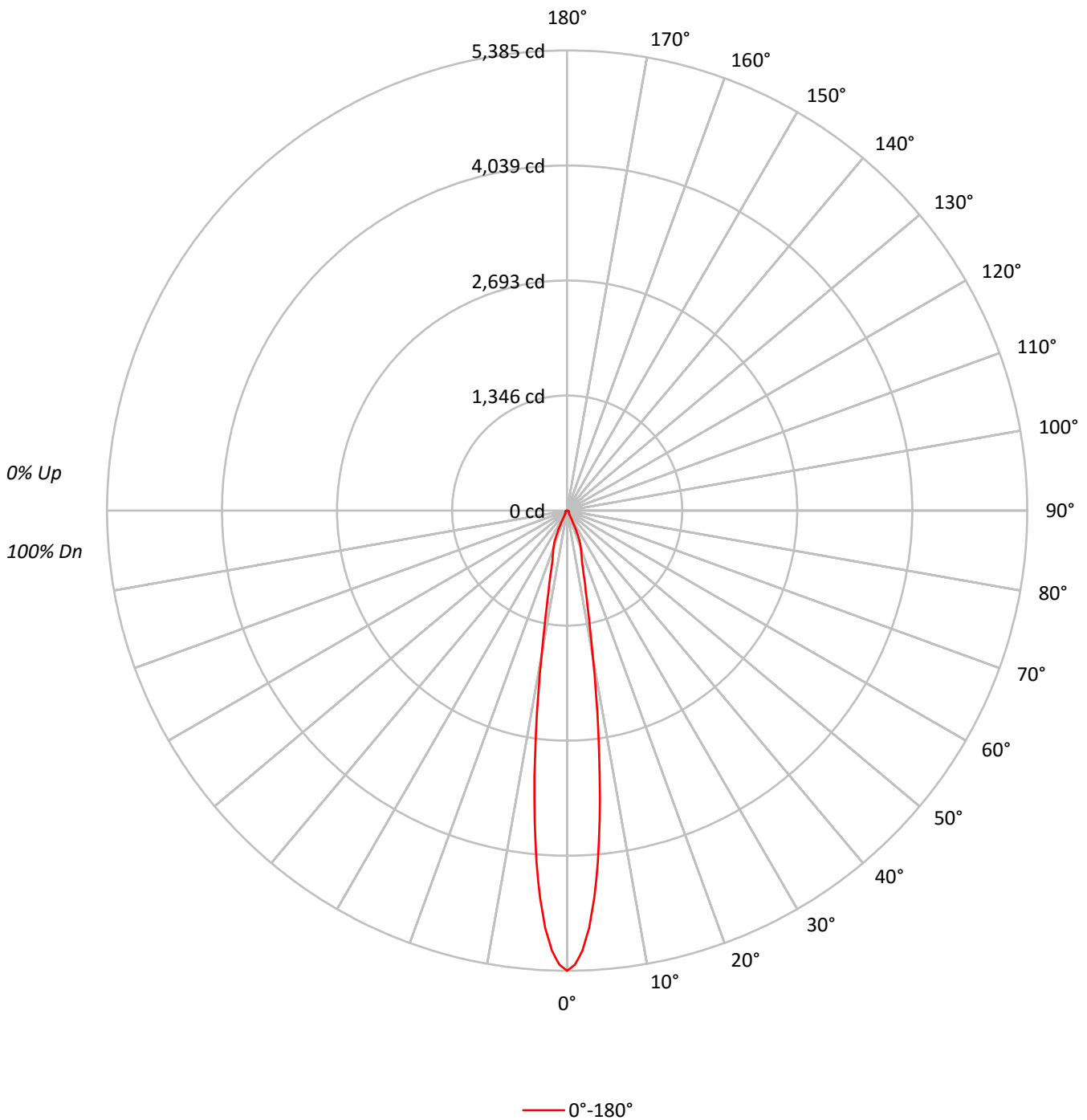
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1180870
5°	907196
10°	384607
15°	165041
20°	109793
25°	52261
30°	12837
35°	9530
40°	9131
45°	9148
50°	9347
55°	10475
60°	10569
65°	9755
70°	8142
75°	7286
80°	8208
85°	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	42.2
10°-20°	222.3	30.2
20°-30°	100.5	13.7
30°-40°	23.7	3.2
40°-50°	22.8	3.1
50°-60°	24.0	3.3
60°-70°	18.5	2.5
70°-80°	9.6	1.3
80°-90°	3.4	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°	633.5	86.1
0°-40°	657.3	89.4
0°-60°	704.1	95.7
0°-90°	735.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5385	
5°	4121	311
15°	727	222
25°	216	101
35°	36	24
45°	30	23
55°	27	24
65°	19	18
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5385.2
1°	5314.8
2°	5151.1
3°	4891.8
4°	4542.8
5°	4121.4
6°	3638.7
7°	3133.0
8°	2622.0
9°	2144.6
10°	1727.3
11°	1395.1
12°	1152.1
13°	973.7
14°	834.2
15°	727.0
16°	640.7
17°	582.6
18°	539.2
19°	501.6
20°	470.5
22.5°	373.9
25°	216.0
26°	157.5
27°	107.2
28°	71.2
29°	56.0
30°	50.7
32.5°	42.5
35°	35.6
37.5°	33.1
40°	31.9
42.5°	30.7
45°	29.5
47.5°	28.2
50°	27.4
52.5°	27.4
55°	27.4
57.5°	26.6
60°	24.1
62.5°	22.1
65°	18.8
67.5°	15.5
70°	12.7
72.5°	10.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.6
77.5°	7.8
80°	6.5
82.5°	4.9
85°	3.3
87.5°	1.2
90°	0.0

(END OF REPORT)