

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: P220459

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220459
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]-LED2790-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1304.7 lumens
Efficiency: N/A
Efficacy: 64.9 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

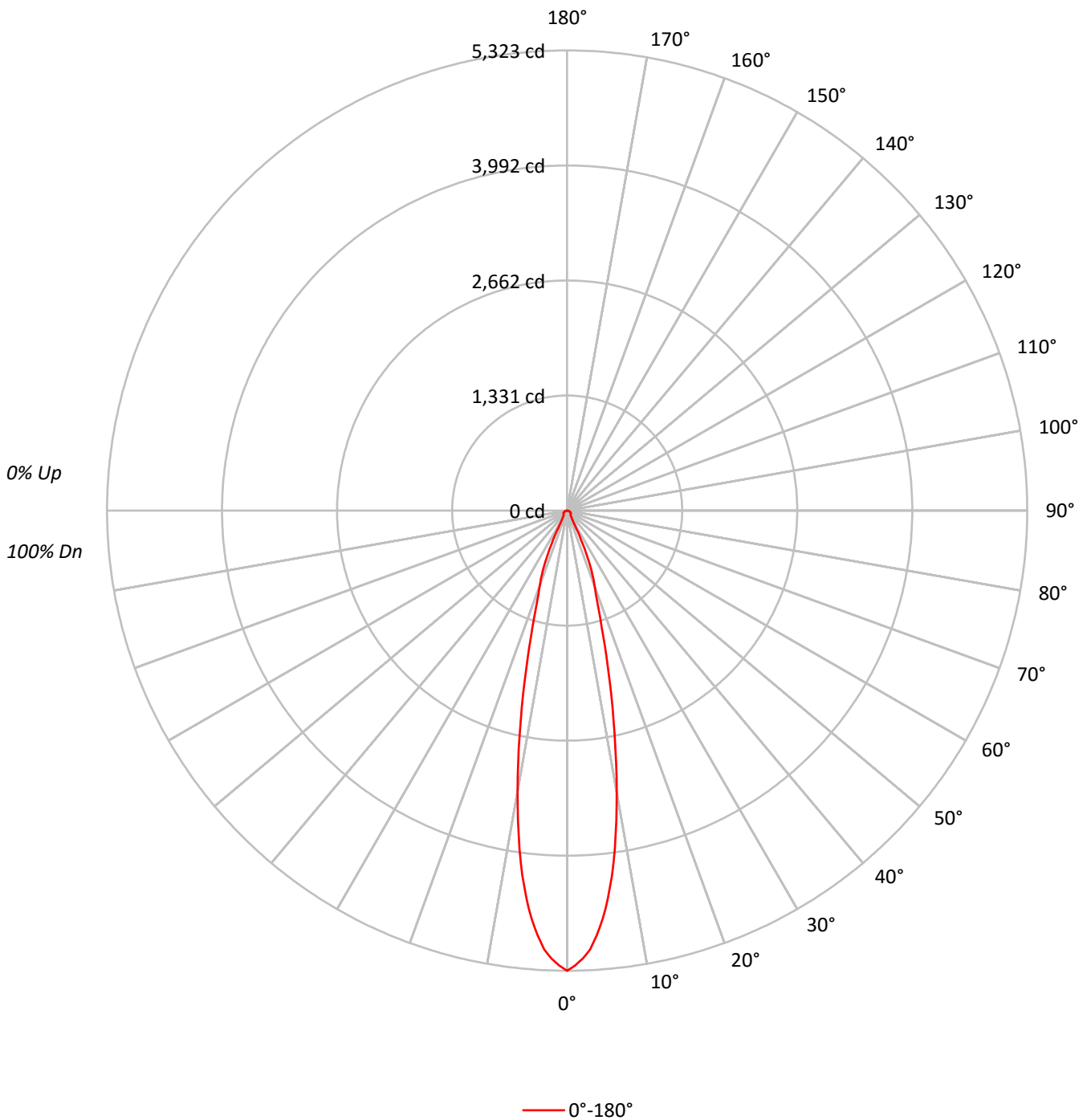
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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°	1167297
5°	1042898
10°	735279
15°	399571
20°	216202
25°	103143
30°	29802
35°	19381
40°	17719
45°	18234
50°	19309
55°	20492
60°	20174
65°	19198
70°	15964
75°	14064
80°	16164
85°	15096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.7	31.1
10°-20°	496.7	38.1
20°-30°	198.7	15.2
30°-40°	49.8	3.8
40°-50°	45.7	3.5
50°-60°	47.1	3.6
60°-70°	35.8	2.7
70°-80°	18.5	1.4
80°-90°	6.7	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°	1101.1	84.4
0°-40°	1150.9	88.2
0°-60°	1243.7	95.3
0°-90°	1304.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5323	
5°	4738	406
15°	1760	497
25°	426	199
35°	72	50
45°	59	46
55°	54	47
65°	37	36
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5323.3
1°	5264.5
2°	5185.3
3°	5081.9
4°	4920.5
5°	4737.9
6°	4509.3
7°	4255.8
8°	3957.0
9°	3631.1
10°	3302.2
11°	2967.2
12°	2637.5
13°	2329.7
14°	2032.5
15°	1760.1
16°	1513.4
17°	1312.7
18°	1149.0
19°	1021.5
20°	926.5
21°	846.5
22°	755.2
23°	650.3
24°	537.2
25°	426.3
26°	319.1
27°	227.8
28°	160.7
29°	129.8
30°	117.7
32.5°	94.3
35°	72.4
37.5°	64.9
40°	61.9
42.5°	60.4
45°	58.8
47.5°	58.1
50°	56.6
52.5°	55.8
55°	53.6
57.5°	49.8
60°	46.0
62.5°	42.2
65°	37.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	30.2
70°	24.9
72.5°	19.6
75°	16.6
77.5°	15.1
80°	12.8
82.5°	9.1
85°	6.0
87.5°	3.0
90°	0.0

(END OF REPORT)