

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: P220493

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1283.9 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

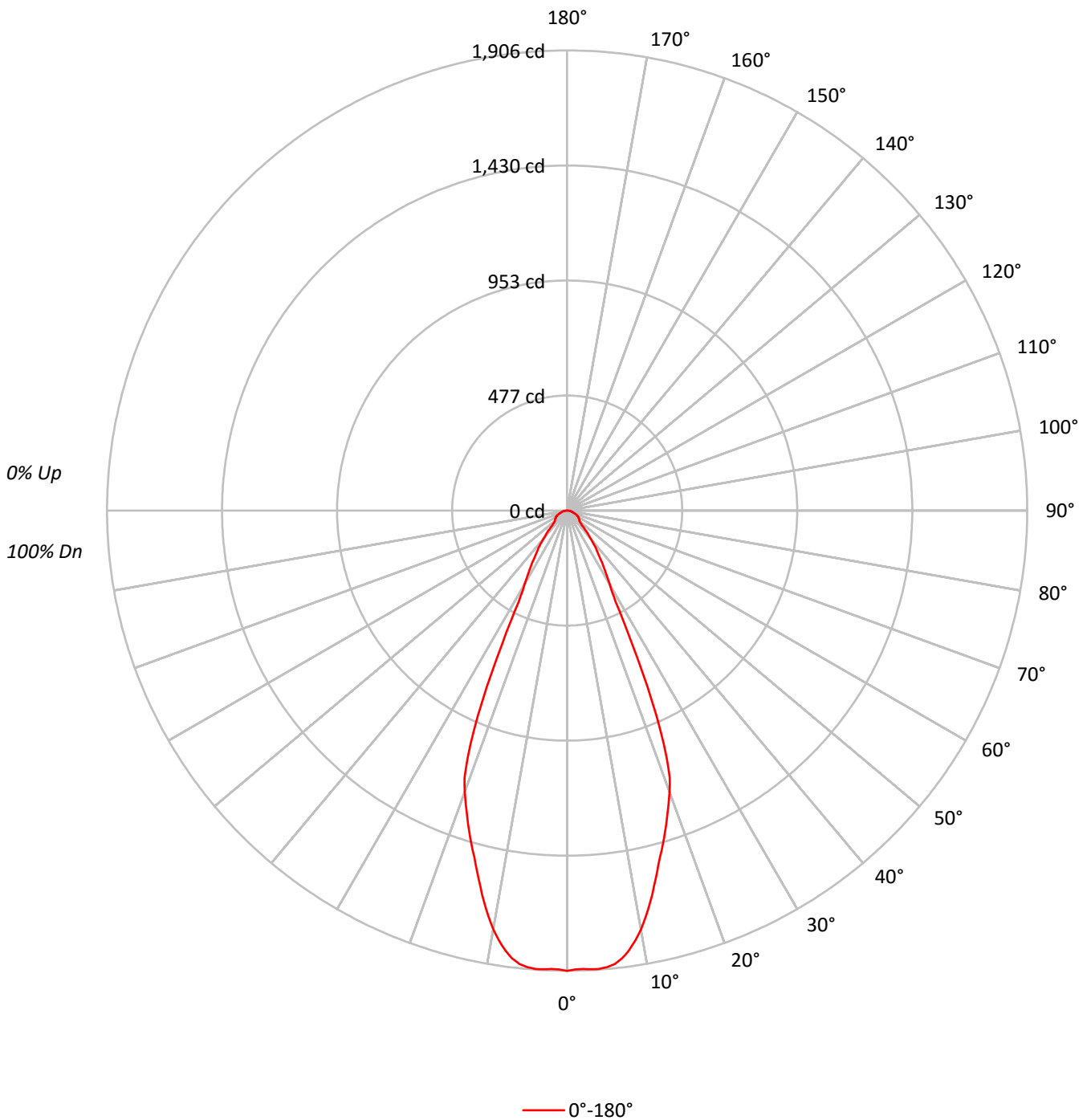
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	418059
5°	417829
10°	392088
15°	337232
20°	289615
25°	178341
30°	89026
35°	62399
40°	43396
45°	27848
50°	22652
55°	23091
60°	23507
65°	22726
70°	20324
75°	19148
80°	20962
85°	20882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	13.8
10°-20°	415.7	32.4
20°-30°	337.4	26.3
30°-40°	149.2	11.6
40°-50°	74.8	5.8
50°-60°	53.8	4.2
60°-70°	42.7	3.3
70°-80°	24.3	1.9
80°-90°	9.0	0.7
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°	930.1	72.4
0°-40°	1079.3	84.1
0°-60°	1207.9	94.1
0°-90°	1283.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1906	
5°	1898	177
15°	1486	416
25°	737	337
35°	233	149
45°	90	75
55°	60	54
65°	44	43
75°	23	24
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1906.5
1°	1901.2
2°	1899.7
3°	1902.7
4°	1902.7
5°	1898.2
6°	1888.4
7°	1868.7
8°	1840.1
9°	1803.1
10°	1760.9
11°	1711.8
12°	1657.5
13°	1598.7
14°	1540.6
15°	1485.5
16°	1438.0
17°	1388.2
18°	1338.4
19°	1288.6
20°	1241.1
21°	1186.0
22°	1099.2
23°	987.6
24°	865.3
25°	737.1
26°	616.4
27°	509.2
28°	427.8
29°	381.0
30°	351.6
32.5°	288.2
35°	233.1
37.5°	192.4
40°	151.6
42.5°	120.0
45°	89.8
47.5°	72.4
50°	66.4
52.5°	63.4
55°	60.4
57.5°	56.6
60°	53.6
62.5°	49.0
65°	43.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	37.0
70°	31.7
72.5°	25.7
75°	22.6
77.5°	19.6
80°	16.6
82.5°	12.8
85°	8.3
87.5°	3.8
90°	0.0

(END OF REPORT)