

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: P221153

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LEDCW-W-WT-LC2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29553)
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]-LEDCW-W-WT-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 664.8 lumens
Efficiency: N/A
Efficacy: 27.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

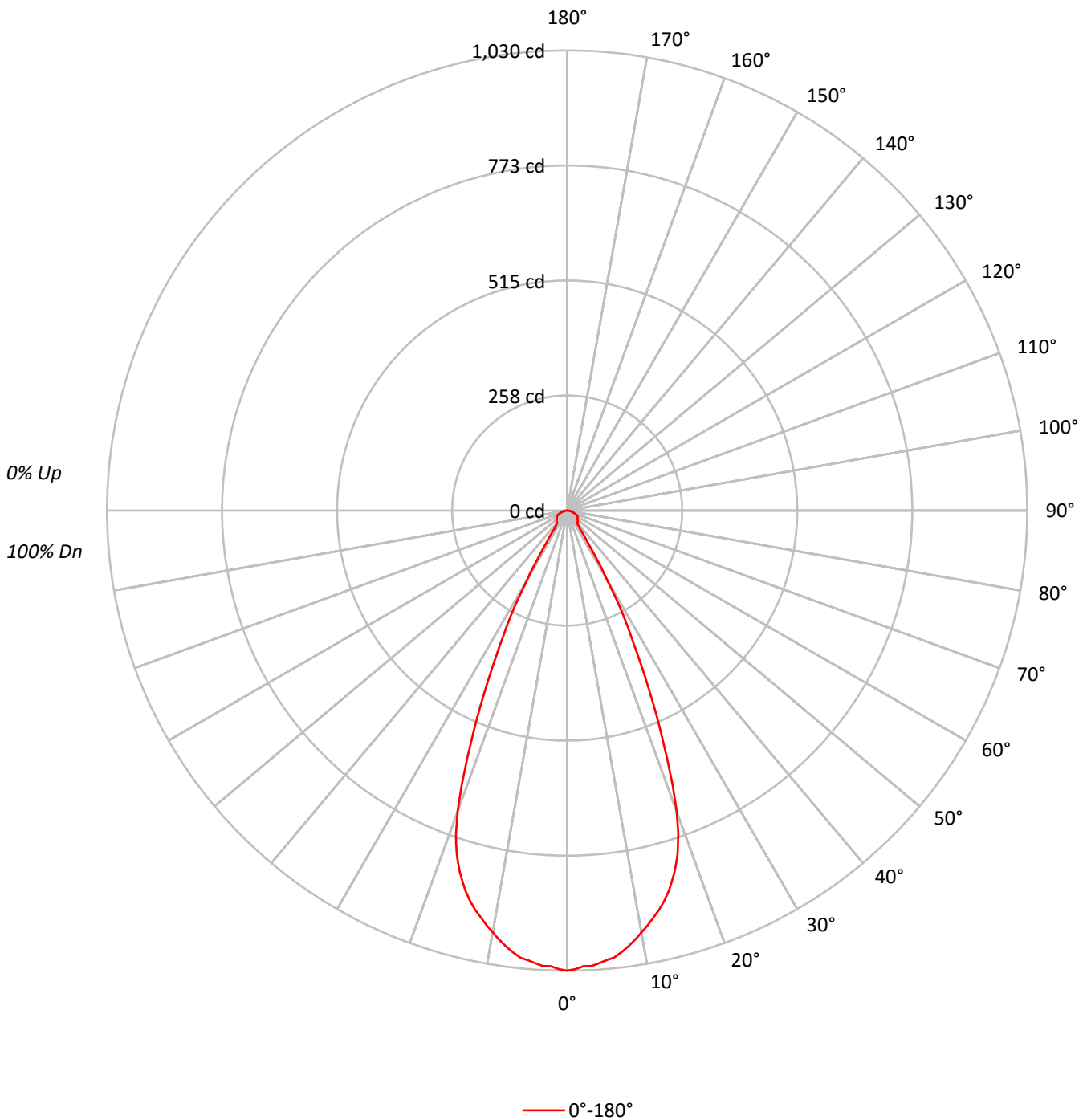
Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	225815
5°	222319
10°	213401
15°	199797
20°	167221
25°	100482
30°	45678
35°	13518
40°	10219
45°	10451
50°	10473
55°	10972
60°	11753
65°	11830
70°	10771
75°	10929
80°	12502
85°	12580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	14.3
10°-20°	242.2	36.4
20°-30°	191.6	28.8
30°-40°	44.0	6.6
40°-50°	25.8	3.9
50°-60°	25.7	3.9
60°-70°	22.1	3.3
70°-80°	13.5	2.0
80°-90°	5.1	0.8
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°	528.6	79.5
0°-40°	572.6	86.1
0°-60°	624.1	93.9
0°-90°	664.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1030	
5°	1010	95
15°	880	242
25°	415	192
35°	50	44
45°	34	26
55°	29	26
65°	23	22
75°	13	13
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1029.8
1°	1026.8
2°	1020.9
3°	1020.9
4°	1015.9
5°	1010.0
6°	1006.0
7°	996.1
8°	985.2
9°	972.3
10°	958.4
11°	945.5
12°	930.7
13°	916.8
14°	899.9
15°	880.1
16°	857.3
17°	831.6
18°	801.8
19°	764.2
20°	716.6
21°	658.1
22°	596.7
23°	533.2
24°	473.8
25°	415.3
26°	362.8
27°	315.2
28°	273.6
29°	228.0
30°	180.4
32.5°	94.2
35°	50.5
37.5°	37.7
40°	35.7
42.5°	34.7
45°	33.7
47.5°	31.7
50°	30.7
52.5°	29.7
55°	28.7
57.5°	27.8
60°	26.8
62.5°	24.8
65°	22.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.8
70°	16.8
72.5°	13.9
75°	12.9
77.5°	10.9
80°	9.9
82.5°	6.9
85°	5.0
87.5°	2.0
90°	0.0

(END OF REPORT)