

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: P221152

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221152
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]-LED CR-W-WT-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) COLOR CHANGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 670.7 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

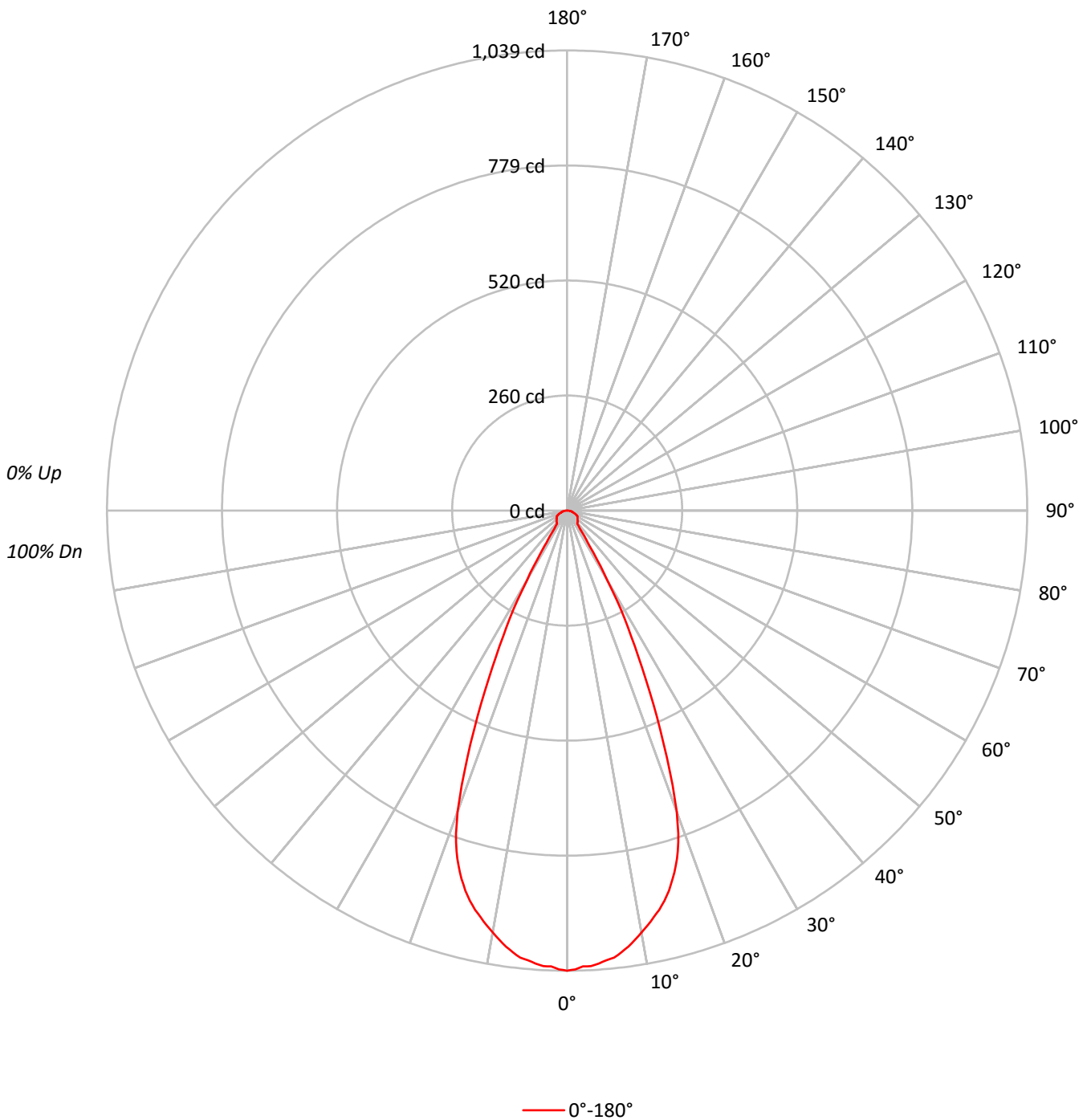
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	227833
5°	224301
10°	215316
15°	201590
20°	168715
25°	101377
30°	46083
35°	13652
40°	10305
45°	10544
50°	10575
55°	11087
60°	11841
65°	11934
70°	10899
75°	11014
80°	12628
85°	12580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	14.3
10°-20°	244.4	36.4
20°-30°	193.3	28.8
30°-40°	44.4	6.6
40°-50°	26.0	3.9
50°-60°	26.0	3.9
60°-70°	22.3	3.3
70°-80°	13.6	2.0
80°-90°	5.2	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°	533.3	79.5
0°-40°	577.7	86.1
0°-60°	629.7	93.9
0°-90°	670.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1039	
5°	1019	96
15°	888	244
25°	419	193
35°	51	44
45°	34	26
55°	29	26
65°	23	22
75°	13	14
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1039
1°	1036
2°	1030
3°	1030
4°	1025
5°	1019
6°	1015
7°	1005
8°	994
9°	981
10°	967
11°	954
12°	939
13°	925
14°	908
15°	888
16°	865
17°	839
18°	809
19°	771
20°	723
21°	664
22°	602
23°	538
24°	478
25°	419
26°	366
27°	318
28°	276
29°	230
30°	182
32.5°	95
35°	51
37.5°	38
40°	36
42.5°	35
45°	34
47.5°	32
50°	31
52.5°	30
55°	29
57.5°	28
60°	27
62.5°	25
65°	23



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	20
70°	17
72.5°	14
75°	13
77.5°	11
80°	10
82.5°	7
85°	5
87.5°	2
90°	0

(END OF REPORT)