

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: P29551

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29551
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]-LEDCEB-M-WT-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.9 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 0.49 / 0.49 / 0.5
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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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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	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	90	85	81	96	89	85	81	87	83	80	86	82	80	84	81	79	78
6	94	86	81	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	74	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	458077
5°	433413
10°	341788
15°	236097
20°	130445
25°	36292
30°	10888
35°	8566
40°	7729
45°	7133
50°	7505
55°	8793
60°	9210
65°	8821
70°	7052
75°	5931
80°	7577
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	27.6
10°-20°	282.0	44.8
20°-30°	87.5	13.9
30°-40°	20.7	3.3
40°-50°	18.0	2.9
50°-60°	20.3	3.2
60°-70°	16.3	2.6
70°-80°	8.3	1.3
80°-90°	3.3	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°	543.0	86.2
0°-40°	563.7	89.5
0°-60°	602.1	95.6
0°-90°	629.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2089	
5°	1969	174
15°	1040	282
25°	150	87
35°	32	21
45°	23	18
55°	23	20
65°	17	16
75°	7	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2089
1°	2085
2°	2072
3°	2053
4°	2023
5°	1969
6°	1904
7°	1824
8°	1734
9°	1634
10°	1535
11°	1434
12°	1330
13°	1226
14°	1126
15°	1040
16°	957
17°	867
18°	769
19°	663
20°	559
21°	459
22°	369
23°	284
24°	212
25°	150
26°	104
27°	72
28°	53
29°	47
30°	43
32.5°	37
35°	32
37.5°	29
40°	27
42.5°	25
45°	23
47.5°	21
50°	22
52.5°	23
55°	23
57.5°	23
60°	21
62.5°	19
65°	17



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14
70°	11
72.5°	9
75°	7
77.5°	7
80°	6
82.5°	5
85°	3
87.5°	1
90°	0

(END OF REPORT)