

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: P29550

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29550
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]-LEDCB-S-WT-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT 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: 673.3 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

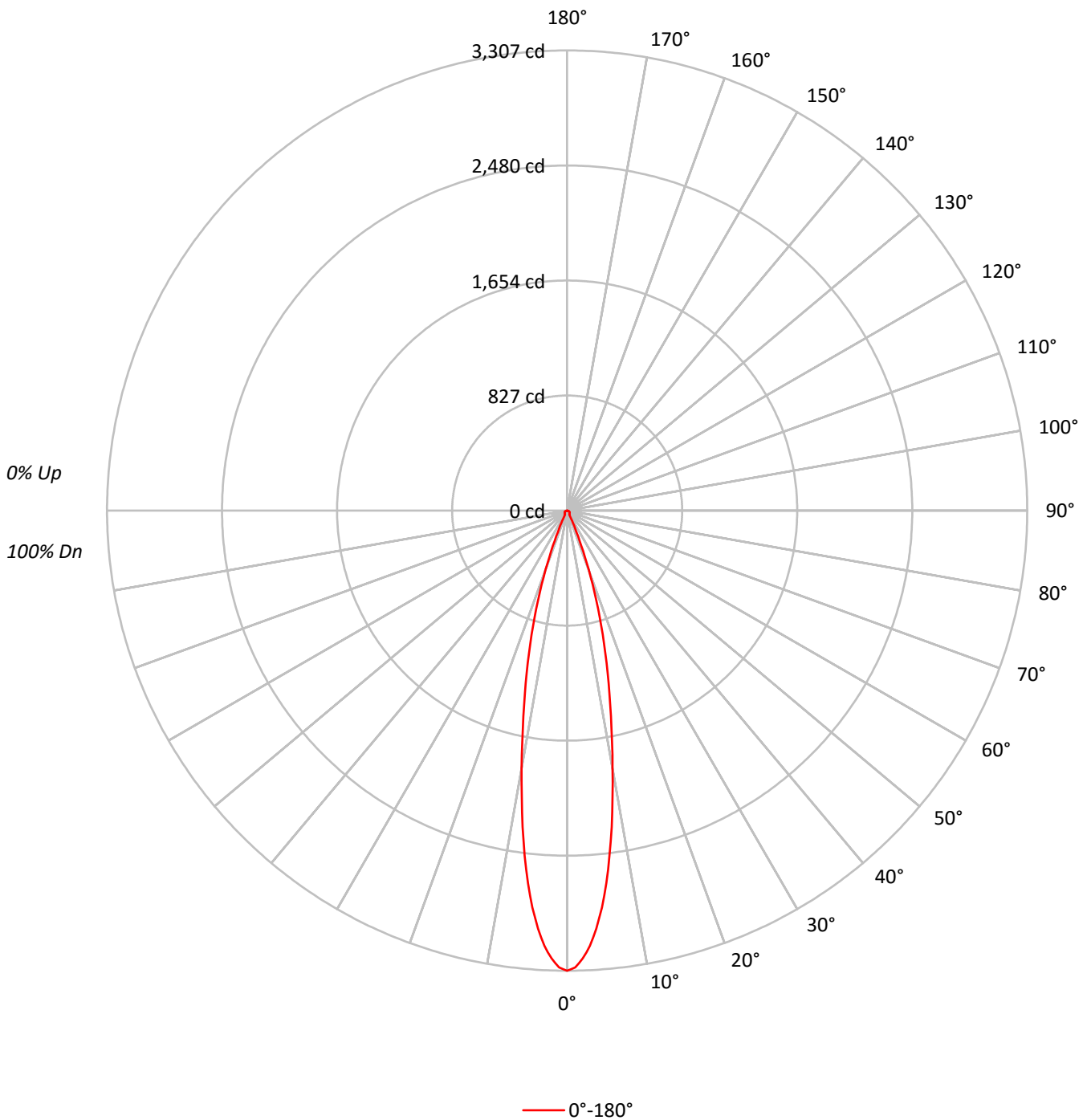
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	101	95	91	88	93	90	87		91	88	86		89	87	85	84
5	99	92	88	85	98	92	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	80		86	82	80		85	82	79	78
7	93	86	82	78	92	86	81	78	84	81	78		83	80	77		82	79	77	76
8	91	83	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73	72
10	86	79	75	72	85	78	74	72	78	74	72		77	74	71		77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	725161
5°	630199
10°	419053
15°	240864
20°	105943
25°	23711
30°	8356
35°	7228
40°	7443
45°	8063
50°	7505
55°	7646
60°	8333
65°	8302
70°	6411
75°	5931
80°	6314
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	35.8
10°-20°	288.8	42.9
20°-30°	63.2	9.4
30°-40°	17.6	2.6
40°-50°	19.3	2.9
50°-60°	18.3	2.7
60°-70°	15.0	2.2
70°-80°	7.5	1.1
80°-90°	2.9	0.4
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°	592.8	88.0
0°-40°	610.4	90.7
0°-60°	647.9	96.2
0°-90°	673.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3307	
5°	2863	241
15°	1061	289
25°	98	63
35°	27	18
45°	26	19
55°	20	18
65°	16	15
75°	7	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3307
1°	3284
2°	3220
3°	3133
4°	3012
5°	2863
6°	2693
7°	2500
8°	2297
9°	2087
10°	1882
11°	1687
12°	1511
13°	1350
14°	1201
15°	1061
16°	926
17°	800
18°	679
19°	562
20°	454
21°	355
22°	271
23°	199
24°	143
25°	98
26°	66
27°	44
28°	37
29°	34
30°	33
32.5°	30
35°	27
37.5°	26
40°	26
42.5°	26
45°	26
47.5°	24
50°	22
52.5°	21
55°	20
57.5°	20
60°	19
62.5°	17
65°	16



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13
70°	10
72.5°	8
75°	7
77.5°	6
80°	5
82.5°	4
85°	3
87.5°	1
90°	0

(END OF REPORT)