

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: P29469

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29469
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]-LED4080-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1729.4 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

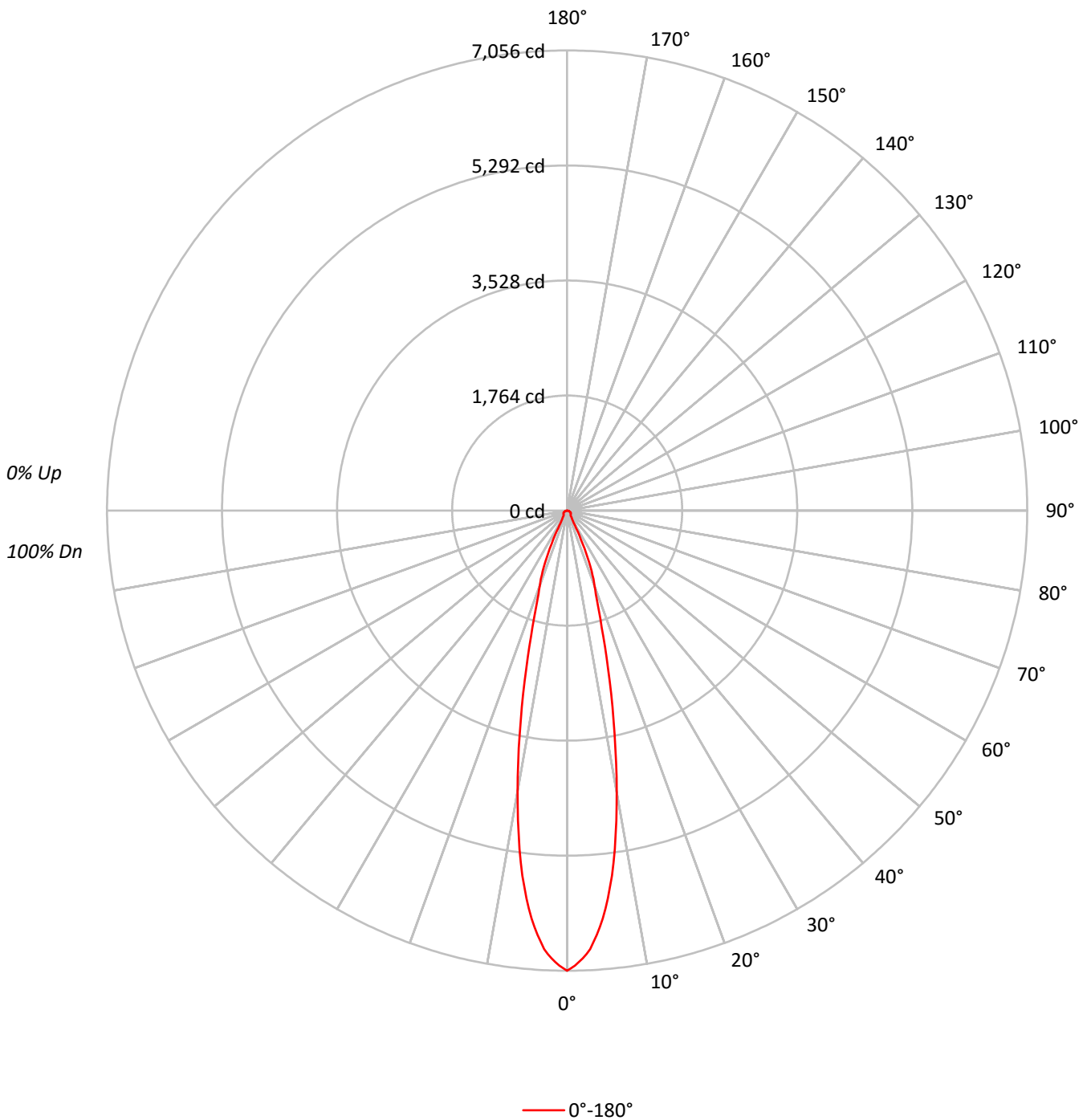
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94		97	94	92		94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69		75	71	69		74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67		73	69	67		72	69	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1547244
5°	1382343
10°	974598
15°	529628
20°	286558
25°	136701
30°	39500
35°	25698
40°	23473
45°	24189
50°	25586
55°	27144
60°	26752
65°	25424
70°	21157
75°	18639
80°	21467
85°	20128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.7	31.1
10°-20°	658.4	38.1
20°-30°	263.4	15.2
30°-40°	66.0	3.8
40°-50°	60.6	3.5
50°-60°	62.5	3.6
60°-70°	47.5	2.7
70°-80°	24.5	1.4
80°-90°	8.8	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°	1459.5	84.4
0°-40°	1525.5	88.2
0°-60°	1648.5	95.3
0°-90°	1729.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7056	
5°	6280	538
15°	2333	658
25°	565	263
35°	96	66
45°	78	61
55°	71	62
65°	49	47
75°	22	25
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7056
1°	6978
2°	6873
3°	6736
4°	6522
5°	6280
6°	5977
7°	5641
8°	5245
9°	4813
10°	4377
11°	3933
12°	3496
13°	3088
14°	2694
15°	2333
16°	2006
17°	1740
18°	1523
19°	1354
20°	1228
21°	1122
22°	1001
23°	862
24°	712
25°	565
26°	423
27°	302
28°	213
29°	172
30°	156
32.5°	125
35°	96
37.5°	86
40°	82
42.5°	80
45°	78
47.5°	77
50°	75
52.5°	74
55°	71
57.5°	66
60°	61
62.5°	56
65°	49



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	40
70°	33
72.5°	26
75°	22
77.5°	20
80°	17
82.5°	12
85°	8
87.5°	4
90°	0

(END OF REPORT)