

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: P29470

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29470
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-F-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1877.4 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

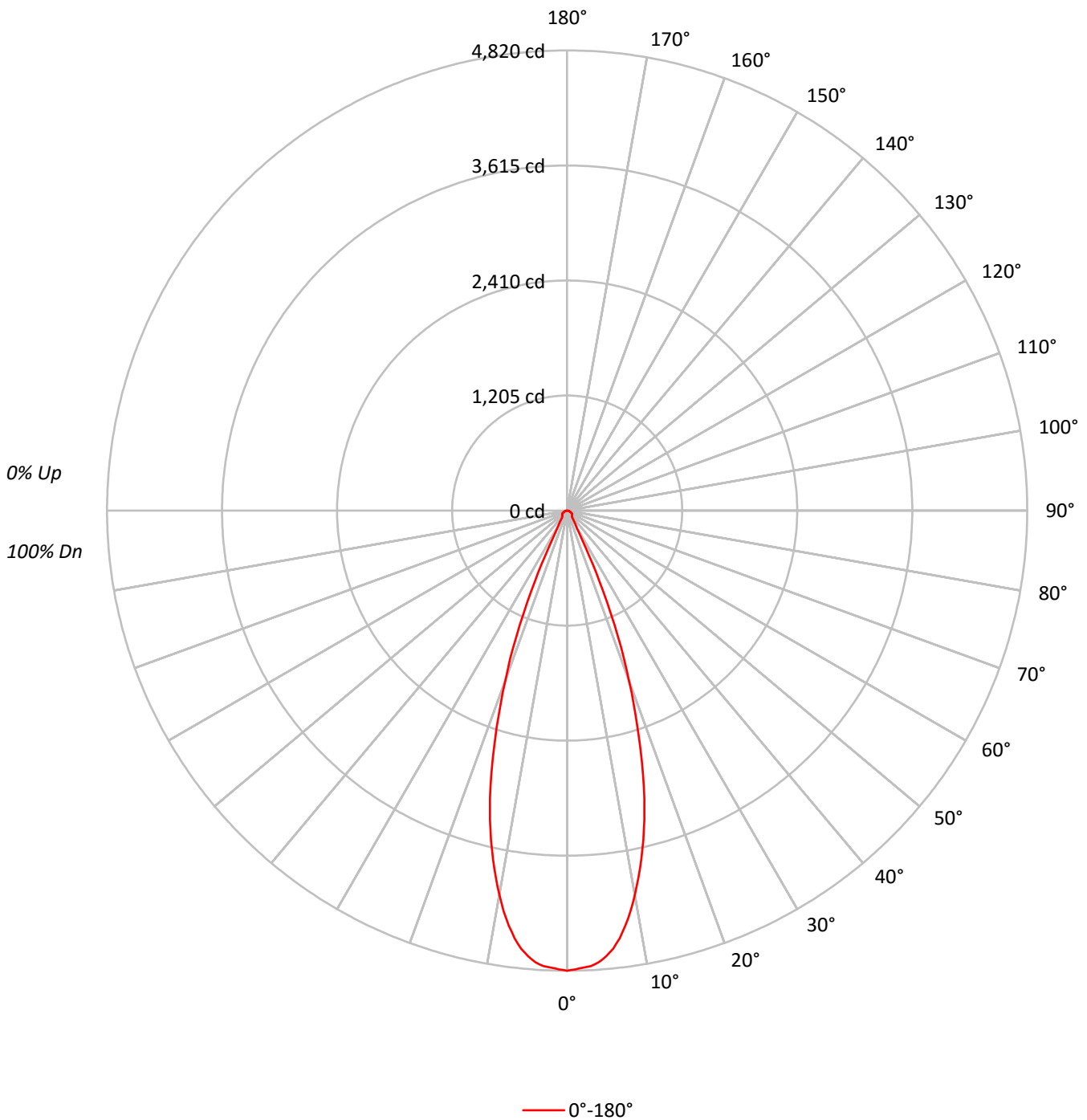
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1056933
5°	1031915
10°	910248
15°	708290
20°	442438
25°	172752
30°	47096
35°	27572
40°	22041
45°	22328
50°	23539
55°	24085
60°	23682
65°	21792
70°	18593
75°	16945
80°	18942
85°	17612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.4	22.8
10°-20°	836.2	44.5
20°-30°	358.7	19.1
30°-40°	70.8	3.8
40°-50°	56.1	3.0
50°-60°	55.8	3.0
60°-70°	41.4	2.2
70°-80°	22.2	1.2
80°-90°	7.8	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°	1623.4	86.5
0°-40°	1694.2	90.2
0°-60°	1806.1	96.2
0°-90°	1877.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1877.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4820	
5°	4688	428
15°	3120	836
25°	714	359
35°	103	71
45°	72	56
55°	63	56
65°	42	41
75°	20	22
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4820
1°	4806
2°	4791
3°	4777
4°	4744
5°	4688
6°	4613
7°	4515
8°	4390
9°	4249
10°	4088
11°	3916
12°	3737
13°	3543
14°	3339
15°	3120
16°	2886
17°	2640
18°	2386
19°	2137
20°	1896
21°	1667
22°	1421
23°	1169
24°	929
25°	714
26°	527
27°	373
28°	266
29°	211
30°	186
32.5°	141
35°	103
37.5°	84
40°	77
42.5°	74
45°	72
47.5°	71
50°	69
52.5°	66
55°	63
57.5°	59
60°	54
62.5°	49
65°	42



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	35
70°	29
72.5°	24
75°	20
77.5°	18
80°	15
82.5°	11
85°	7
87.5°	3
90°	0

(END OF REPORT)