

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: P220582

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
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]-FL-LED5080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1765.7 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

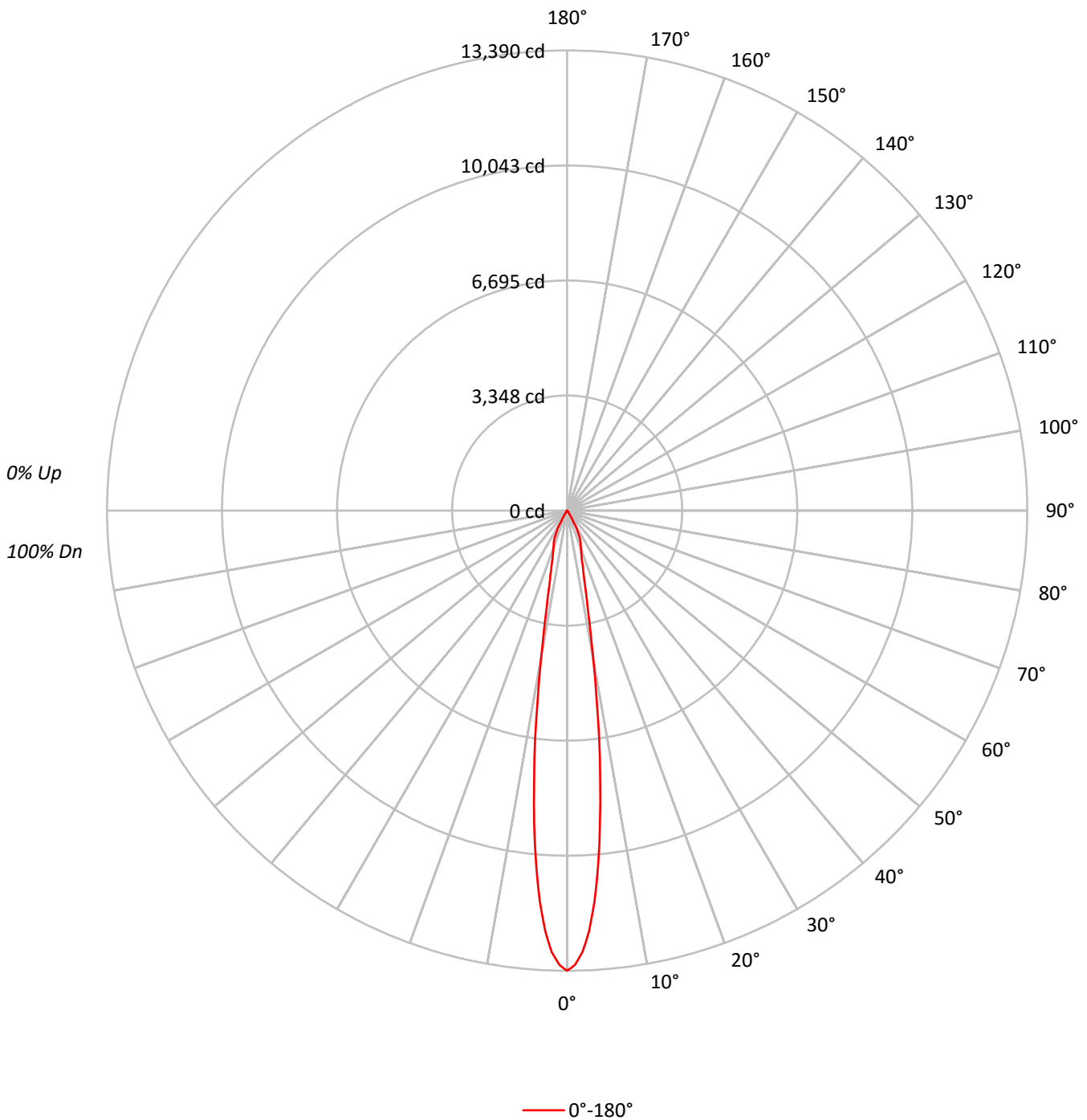
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	84	81	79	84	81	79	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2936059
5°	2279567
10°	973819
15°	411762
20°	272954
25°	204592
30°	78392
35°	11966
40°	6555
45°	2884
50°	2115
55°	1988
60°	2281
65°	2179
70°	1988
75°	1779
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.7	44.3
10°-20°	554.6	31.4
20°-30°	357.5	20.2
30°-40°	51.5	2.9
40°-50°	8.1	0.5
50°-60°	5.0	0.3
60°-70°	3.9	0.2
70°-80°	1.9	0.1
80°-90°	0.7	0.0
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°	1694.7	96.0
0°-40°	1746.2	98.9
0°-60°	1759.3	99.6
0°-90°	1765.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1765.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13390	
5°	10356	783
15°	1814	555
25°	846	357
35°	45	52
45°	9	8
55°	5	5
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13389.5
1°	13222.2
2°	12852.4
3°	12244.7
4°	11399.1
5°	10356.1
6°	9157.3
7°	7905.5
8°	6667.2
9°	5443.5
10°	4373.5
11°	3499.8
12°	2870.3
13°	2410.1
14°	2068.3
15°	1813.8
16°	1604.0
17°	1451.2
18°	1342.2
19°	1246.6
20°	1169.7
21°	1103.2
22°	1045.1
23°	991.0
24°	928.7
25°	845.6
26°	748.0
27°	643.0
28°	528.8
29°	415.5
30°	309.6
32.5°	102.8
35°	44.7
37.5°	32.2
40°	22.9
42.5°	11.4
45°	9.3
47.5°	7.3
50°	6.2
52.5°	6.2
55°	5.2
57.5°	5.2
60°	5.2
62.5°	4.2
65°	4.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.1
70°	3.1
72.5°	2.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)