

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: P220556

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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]-LED5080-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 770.9 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

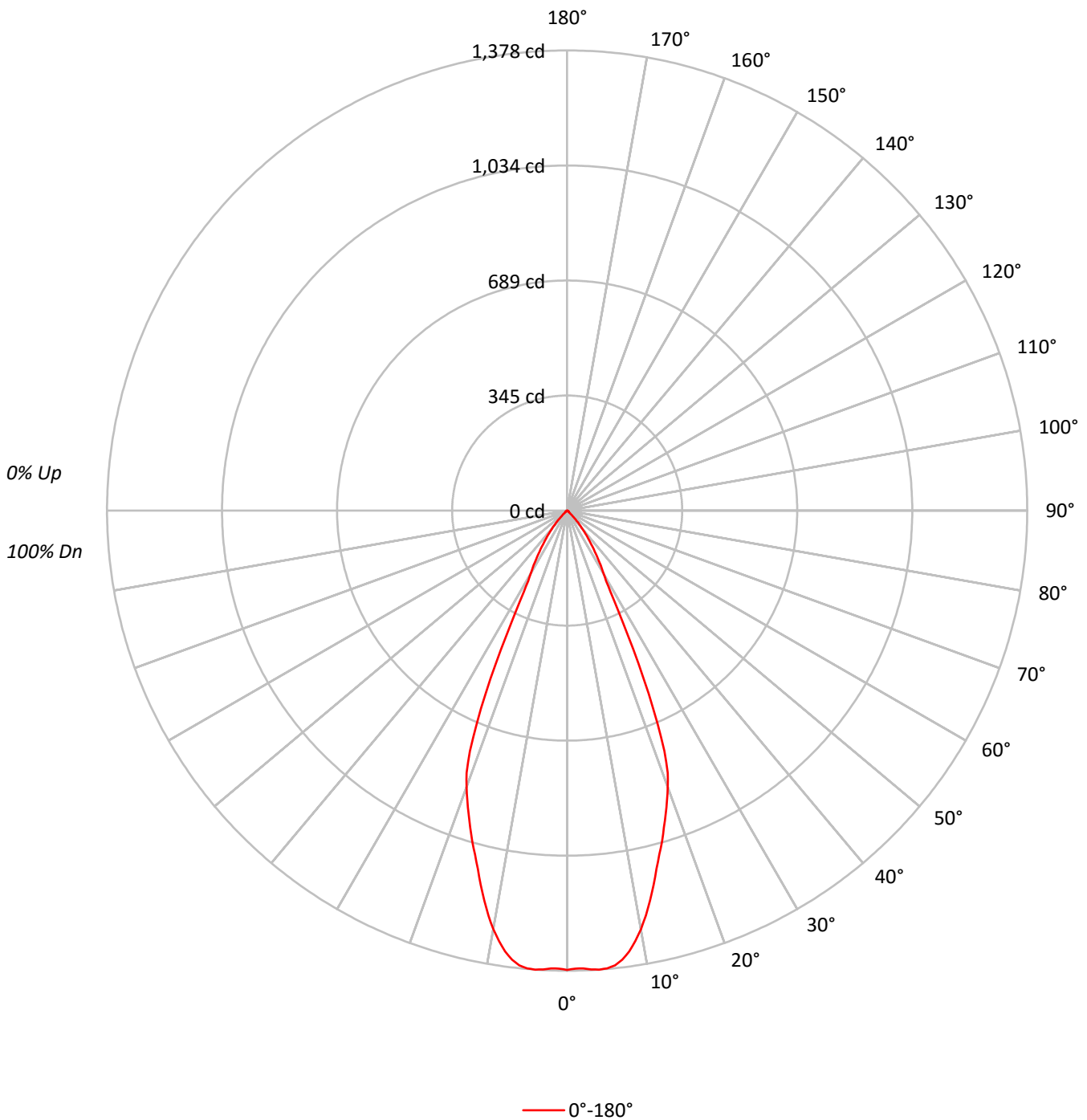
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63
10	78	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301664
5°	302927
10°	283361
15°	242090
20°	205725
25°	122257
30°	55629
35°	35282
40°	20009
45°	7350
50°	2320
55°	1720
60°	1491
65°	882
70°	385
75°	508
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	16.6
10°-20°	298.0	38.7
20°-30°	231.4	30.0
30°-40°	84.3	10.9
40°-50°	22.3	2.9
50°-60°	4.1	0.5
60°-70°	1.9	0.2
70°-80°	0.6	0.1
80°-90°	0.0	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°	657.6	85.3
0°-40°	741.9	96.2
0°-60°	768.4	99.7
0°-90°	770.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1376	
5°	1376	128
15°	1066	298
25°	505	231
35°	132	84
45°	24	22
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1375.7
1°	1371.7
2°	1371.7
3°	1375.7
4°	1377.9
5°	1376.2
6°	1369.5
7°	1355.4
8°	1333.4
9°	1304.7
10°	1272.6
11°	1235.4
12°	1194.3
13°	1150.9
14°	1106.4
15°	1066.4
16°	1030.3
17°	992.0
18°	955.4
19°	918.2
20°	881.6
21°	841.1
22°	776.8
23°	692.3
24°	600.5
25°	505.3
26°	415.7
27°	335.7
28°	275.5
29°	241.1
30°	219.7
32.5°	172.9
35°	131.8
37.5°	99.1
40°	69.9
42.5°	46.2
45°	23.7
47.5°	10.7
50°	6.8
52.5°	5.1
55°	4.5
57.5°	3.9
60°	3.4
62.5°	2.3
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)