

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: P220458

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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]-LED4097-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 743.6 lumens
Efficiency: N/A
Efficacy: 75.9 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

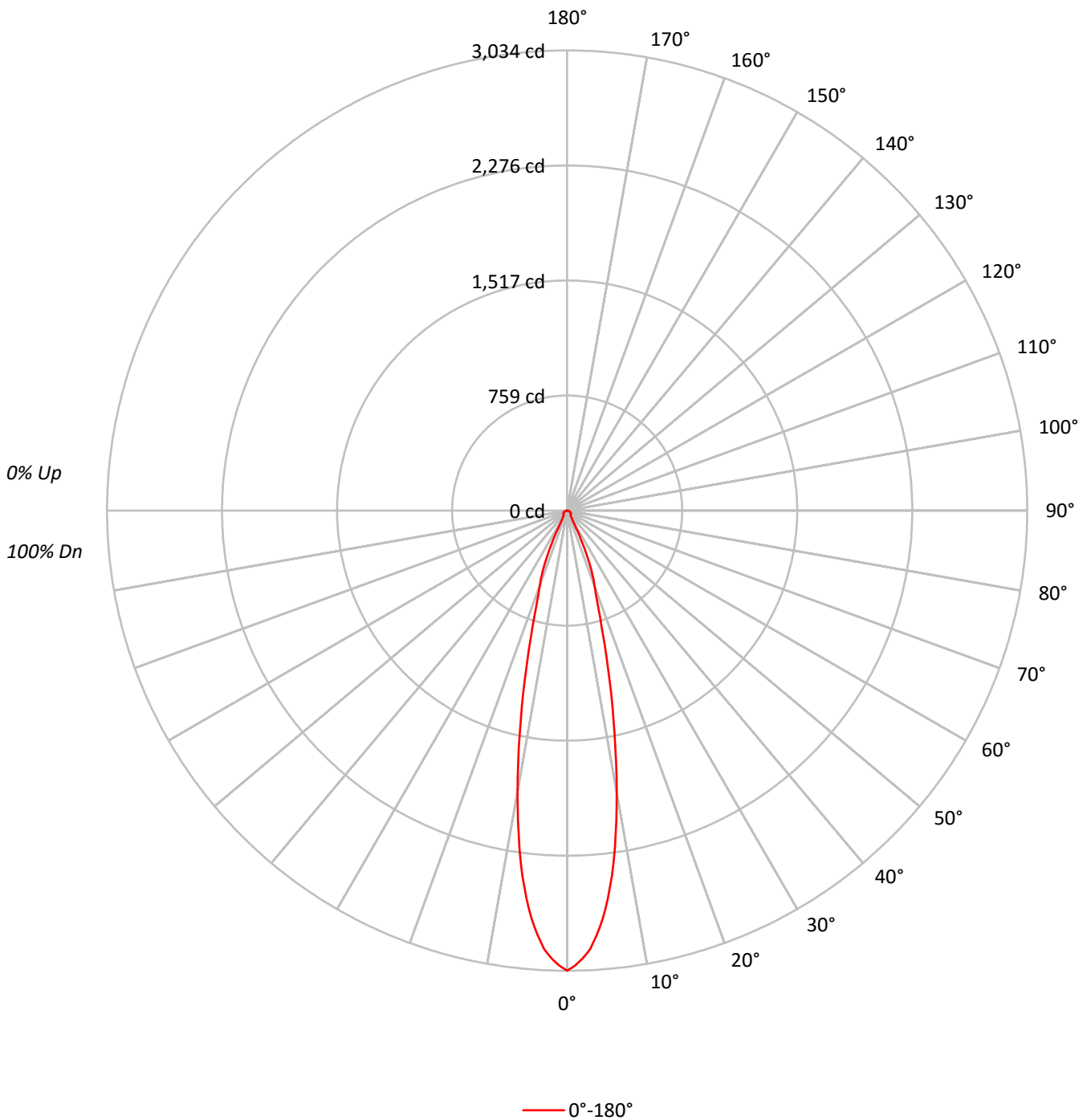
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220458

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220458

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

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°	665276
5°	594363
10°	419053
15°	227720
20°	123211
25°	58770
30°	16990
35°	11056
40°	10105
45°	10389
50°	10985
55°	11660
60°	11490
65°	10948
70°	9104
75°	8049
80°	9218
85°	8554



TEST NUMBER: P220458

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	31.1
10°-20°	283.1	38.1
20°-30°	113.2	15.2
30°-40°	28.4	3.8
40°-50°	26.1	3.5
50°-60°	26.8	3.6
60°-70°	20.4	2.7
70°-80°	10.6	1.4
80°-90°	3.8	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°	627.5	84.4
0°-40°	655.9	88.2
0°-60°	708.8	95.3
0°-90°	743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3034	
5°	2700	231
15°	1003	283
25°	243	113
35°	41	28
45°	34	26
55°	30	27
65°	21	20
75°	10	11
85°	3	4
90°	0	



TEST NUMBER: P220458

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3033.9
1°	3000.3
2°	2955.2
3°	2896.3
4°	2804.3
5°	2700.2
6°	2569.9
7°	2425.5
8°	2255.2
9°	2069.5
10°	1882.0
11°	1691.1
12°	1503.2
13°	1327.8
14°	1158.3
15°	1003.1
16°	862.5
17°	748.2
18°	654.8
19°	582.2
20°	528.0
21°	482.4
22°	430.4
23°	370.6
24°	306.1
25°	242.9
26°	181.9
27°	129.9
28°	91.6
29°	74.0
30°	67.1
32.5°	53.7
35°	41.3
37.5°	37.0
40°	35.3
42.5°	34.4
45°	33.5
47.5°	33.1
50°	32.2
52.5°	31.8
55°	30.5
57.5°	28.4
60°	26.2
62.5°	24.1
65°	21.1



TEST NUMBER: P220458

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.2
70°	14.2
72.5°	11.2
75°	9.5
77.5°	8.6
80°	7.3
82.5°	5.2
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)