

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: P29475

Luminaire Tested: **9003-W1-[RW, RI]-LED4080-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29475
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-[RW, RI]-LED4080-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1368.3 lumens
Efficiency: N/A
Efficacy: 68.1 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

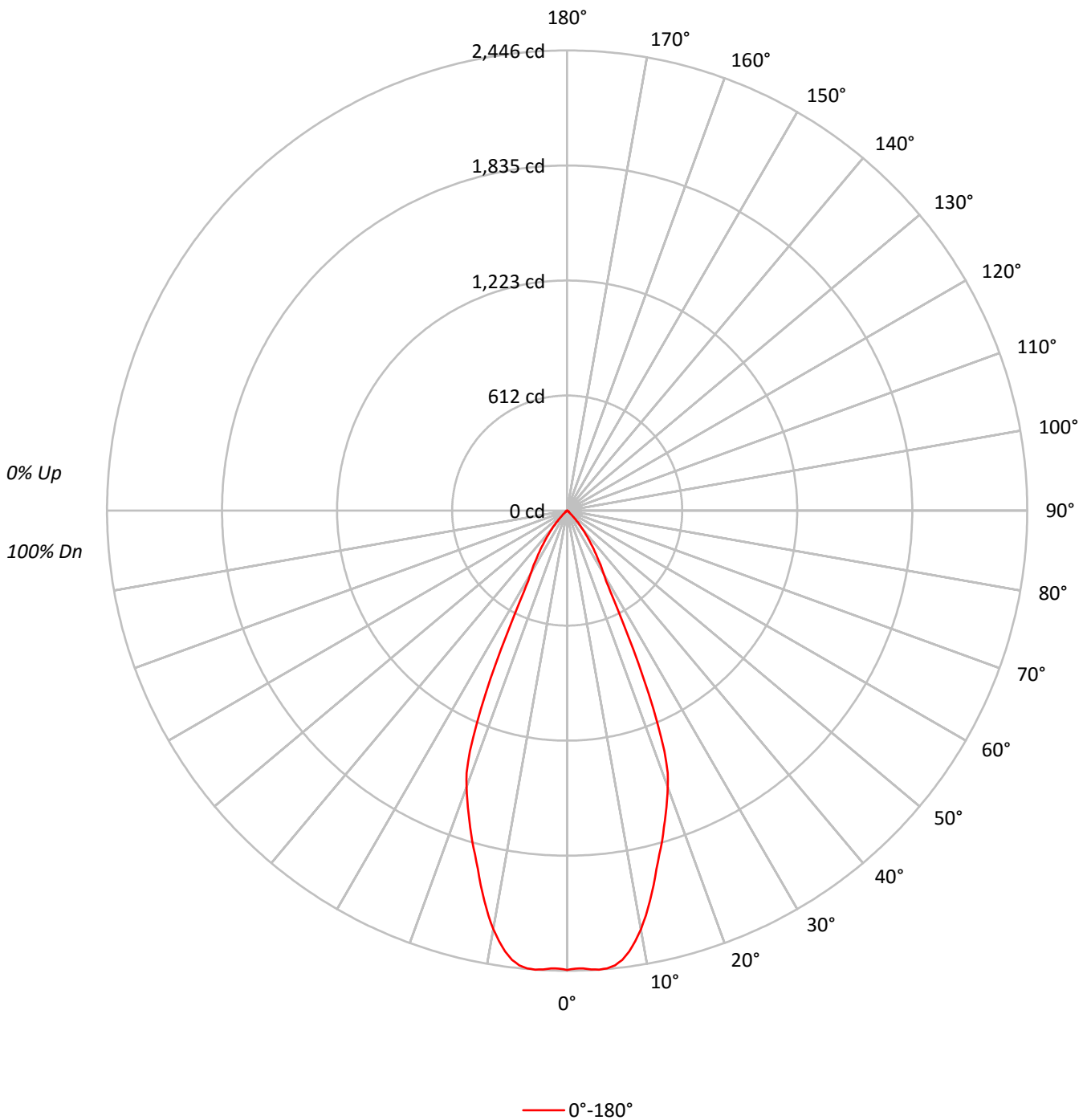
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	535483
5°	537749
10°	502997
15°	429741
20°	365198
25°	217029
30°	98749
35°	62640
40°	35495
45°	13025
50°	4094
55°	3058
60°	2631
65°	1557
70°	641
75°	847
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	16.6
10°-20°	529.1	38.7
20°-30°	410.7	30.0
30°-40°	149.7	10.9
40°-50°	39.6	2.9
50°-60°	7.4	0.5
60°-70°	3.3	0.2
70°-80°	0.9	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°	1167.3	85.3
0°-40°	1317.1	96.3
0°-60°	1364.0	99.7
0°-90°	1368.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2442	
5°	2443	228
15°	1893	529
25°	897	411
35°	234	150
45°	42	40
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2442
1°	2435
2°	2435
3°	2442
4°	2446
5°	2443
6°	2431
7°	2406
8°	2367
9°	2316
10°	2259
11°	2193
12°	2120
13°	2043
14°	1964
15°	1893
16°	1829
17°	1761
18°	1696
19°	1630
20°	1565
21°	1493
22°	1379
23°	1229
24°	1066
25°	897
26°	738
27°	596
28°	489
29°	428
30°	390
32.5°	307
35°	234
37.5°	176
40°	124
42.5°	82
45°	42
47.5°	19
50°	12
52.5°	9
55°	8
57.5°	7
60°	6
62.5°	4
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)