

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: P220332

Luminaire Tested: **9002-W1-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1056.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

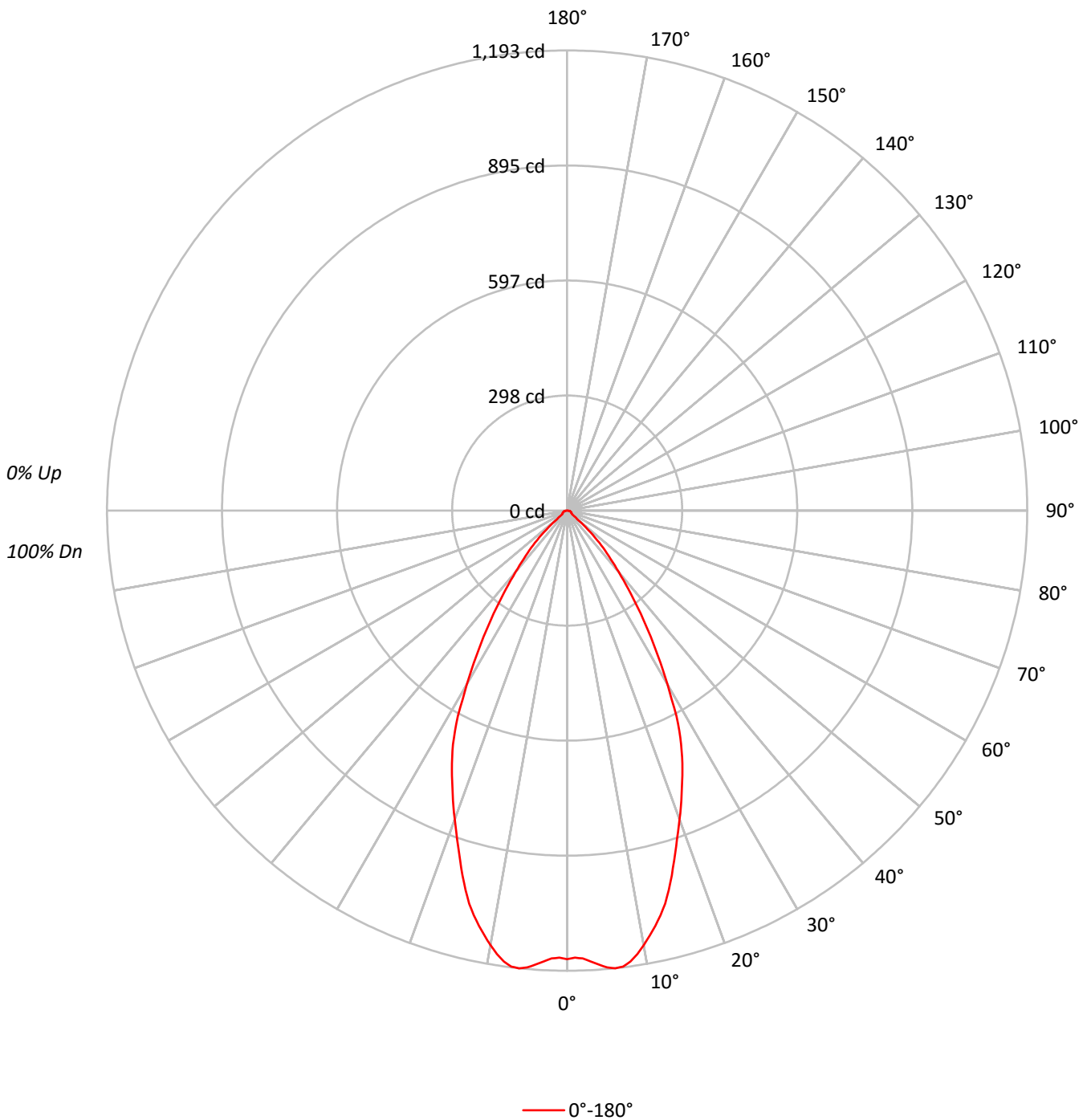
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573652
5°	588820
10°	573183
15°	520285
20°	447127
25°	383954
30°	296076
35°	206470
40°	133578
45°	82264
50°	25944
55°	13161
60°	12927
65°	14009
70°	14137
75°	16585
80°	15627
85°	18681



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	10.6
10°-20°	281.6	26.6
20°-30°	318.6	30.1
30°-40°	216.3	20.5
40°-50°	89.4	8.5
50°-60°	15.4	1.5
60°-70°	11.5	1.1
70°-80°	8.6	0.8
80°-90°	3.1	0.3
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°	712.4	67.4
0°-40°	928.7	87.9
0°-60°	1033.5	97.8
0°-90°	1056.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1163	
5°	1189	112
15°	1019	282
25°	705	319
35°	343	216
45°	118	89
55°	15	15
65°	12	11
75°	9	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1162.7
1°	1159.4
2°	1161.6
3°	1170.3
4°	1180.2
5°	1188.9
6°	1193.3
7°	1191.1
8°	1180.2
9°	1163.8
10°	1144.1
11°	1122.3
12°	1100.5
13°	1076.4
14°	1050.2
15°	1018.6
16°	983.7
17°	948.7
18°	914.9
19°	882.1
20°	851.6
21°	823.2
22°	792.6
23°	763.1
24°	734.7
25°	705.3
26°	674.7
27°	640.8
28°	603.7
29°	559.0
30°	519.7
32.5°	425.8
35°	342.8
37.5°	269.7
40°	207.4
42.5°	159.4
45°	117.9
47.5°	73.1
50°	33.8
52.5°	16.4
55°	15.3
57.5°	14.2
60°	13.1
62.5°	12.0
65°	12.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.9
70°	9.8
72.5°	8.7
75°	8.7
77.5°	7.6
80°	5.5
82.5°	4.4
85°	3.3
87.5°	1.1
90°	0.0

(END OF REPORT)