

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: P221123

Luminaire Tested: **9004-W1-FL-LED5080-W-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED5080-W-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH 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: 2898.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

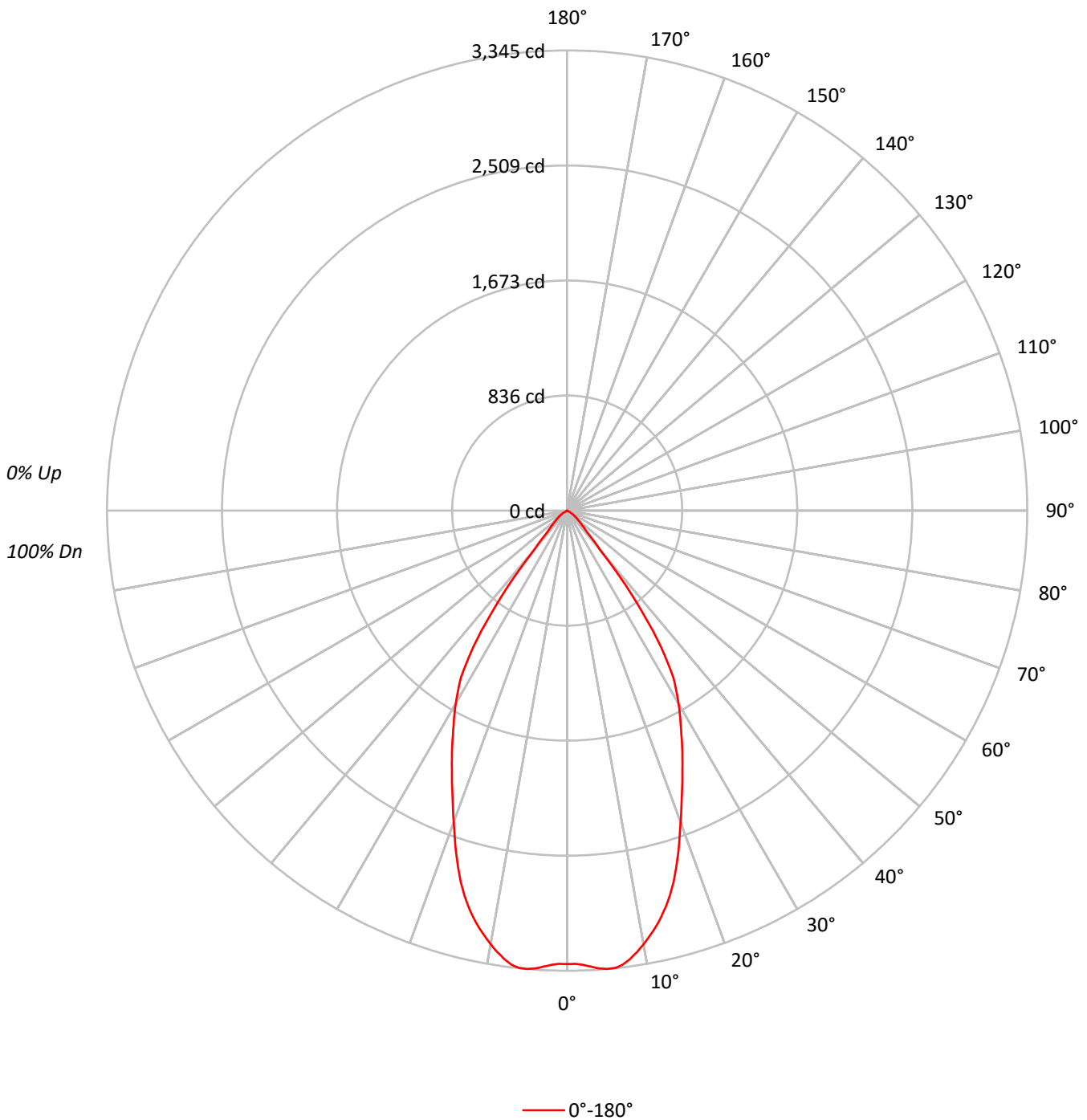
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56	63	59	55	63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52	60	55	52	59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406572
5°	414167
10°	401008
15°	369312
20°	316485
25°	269894
30°	230818
35°	172531
40°	61218
45°	28625
50°	18940
55°	12731
60°	6414
65°	1518
70°	1118
75°	1001
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.7	10.9
10°-20°	798.3	27.5
20°-30°	911.2	31.4
30°-40°	669.0	23.1
40°-50°	142.0	4.9
50°-60°	53.7	1.9
60°-70°	7.7	0.3
70°-80°	2.0	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°	2024.2	69.8
0°-40°	2693.2	92.9
0°-60°	2888.8	99.7
0°-90°	2898.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2898.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3296	
5°	3345	315
15°	2892	798
25°	1983	911
35°	1146	669
45°	164	142
55°	59	54
65°	5	8
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3296.2
1°	3295.2
2°	3303.5
3°	3320.1
4°	3335.7
5°	3345.0
6°	3343.0
7°	3325.3
8°	3291.0
9°	3248.4
10°	3201.7
11°	3148.7
12°	3094.7
13°	3033.4
14°	2966.9
15°	2892.1
16°	2806.9
17°	2712.4
18°	2614.7
19°	2511.9
20°	2411.1
21°	2317.6
22°	2227.3
23°	2142.1
24°	2061.0
25°	1983.1
26°	1907.3
27°	1830.4
28°	1756.7
29°	1688.1
30°	1620.6
32.5°	1438.8
35°	1145.8
37.5°	773.9
40°	380.2
42.5°	214.0
45°	164.1
47.5°	128.8
50°	98.7
52.5°	77.9
55°	59.2
57.5°	42.6
60°	26.0
62.5°	7.3
65°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	3.1
72.5°	3.1
75°	2.1
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)