

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: P221045

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)
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-S-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

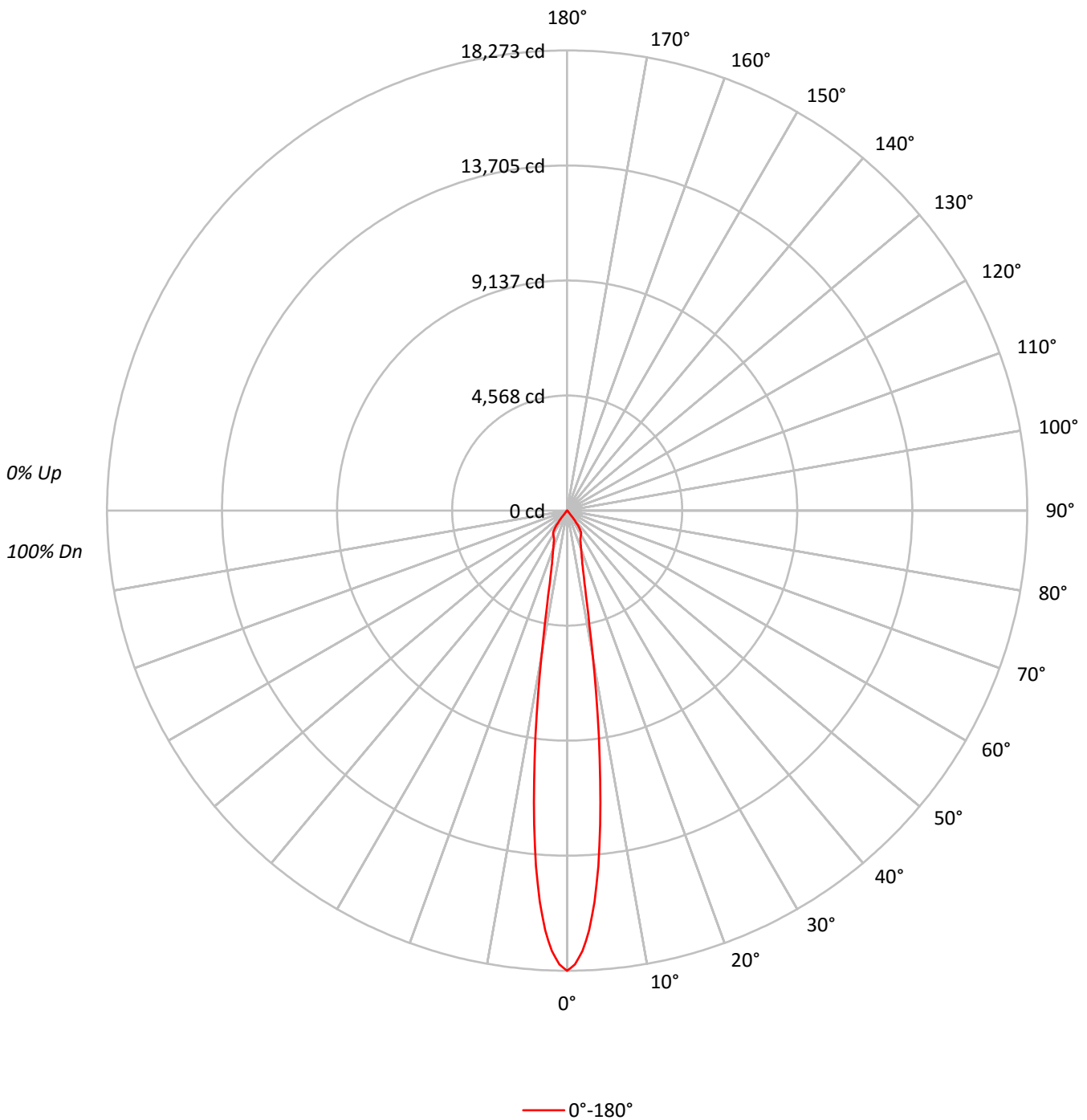
Lumens per Lamp: N/A
Luminaire Lumens: 2910.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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	115	112	110	108	112	110	108	107	106	105	104		103	101	100		99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87		92	89	86		90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77		82	79	76		81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71		77	74	71		76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2253895
5°	1754447
10°	730712
15°	308950
20°	212040
25°	169236
30°	156385
35°	127961
40°	26938
45°	6158
50°	2188
55°	1785
60°	1036
65°	613
70°	361
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.9	36.6
10°-20°	746.3	25.6
20°-30°	588.2	20.2
30°-40°	463.1	15.9
40°-50°	37.4	1.3
50°-60°	7.3	0.2
60°-70°	1.9	0.1
70°-80°	0.9	0.0
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°	2399.4	82.5
0°-40°	2862.5	98.4
0°-60°	2907.2	99.9
0°-90°	2910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18273	
5°	14170	###
15°	2419	746
25°	1244	588
35°	850	463
45°	35	37
55°	8	7
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18273.0
1°	18021.6
2°	17499.1
3°	16688.8
4°	15580.4
5°	14169.7
6°	12540.8
7°	10781.0
8°	9054.5
9°	7316.5
10°	5834.1
11°	4650.8
12°	3792.8
13°	3185.1
14°	2744.6
15°	2419.4
16°	2175.3
17°	1996.6
18°	1860.5
19°	1730.7
20°	1615.4
21°	1519.8
22°	1434.6
23°	1359.8
24°	1294.4
25°	1243.5
26°	1205.0
27°	1176.0
28°	1147.9
29°	1123.0
30°	1098.0
32.5°	1035.7
35°	849.8
37.5°	506.9
40°	167.3
42.5°	49.9
45°	35.3
47.5°	24.9
50°	11.4
52.5°	10.4
55°	8.3
57.5°	6.2
60°	4.2
62.5°	2.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)