

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: P220835

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29491)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1735.5 lumens
Efficiency: N/A
Efficacy: 60.9 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

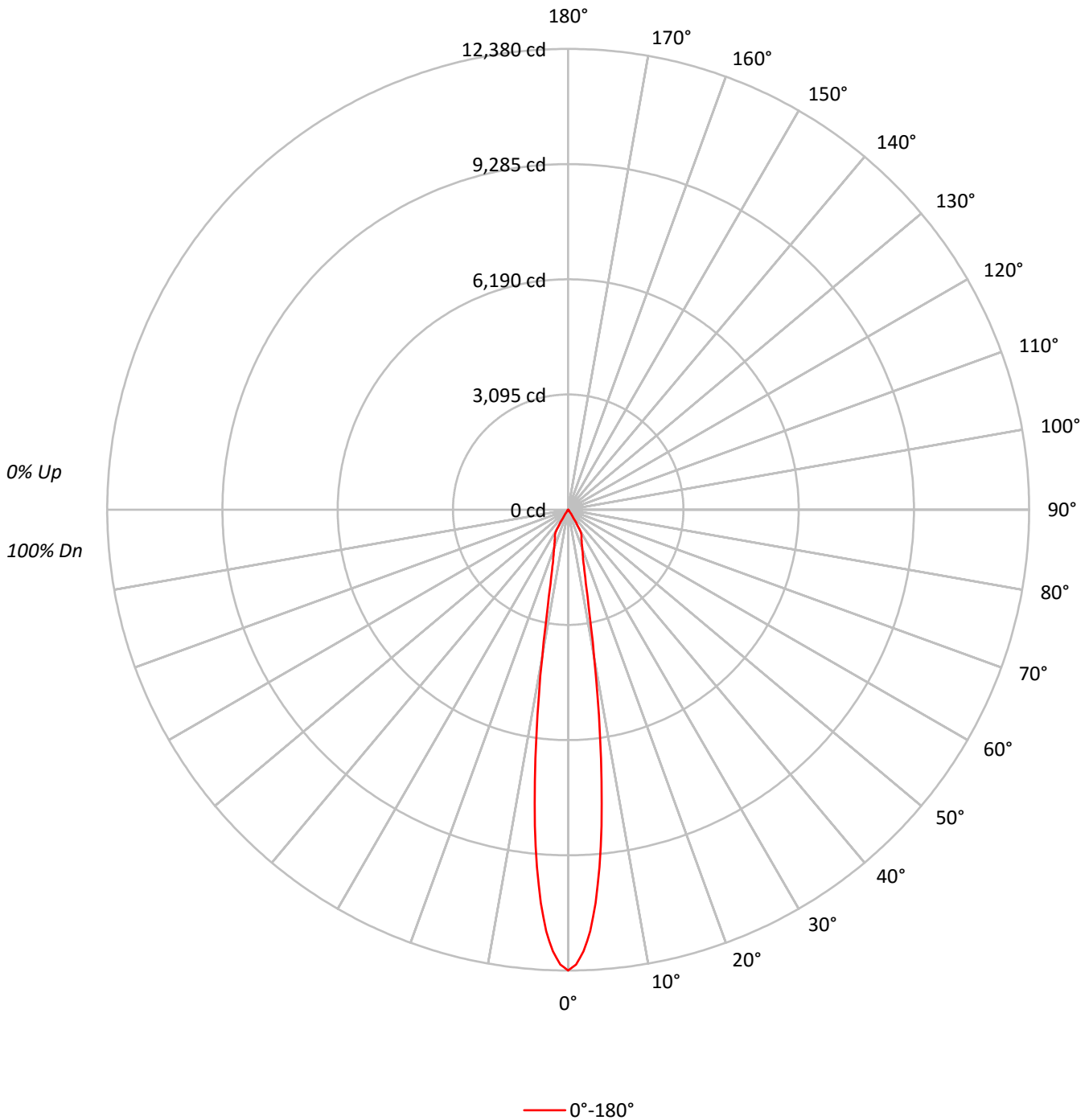
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220835

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220835

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L3-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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	82	86	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1527044
5°	1193049
10°	502534
15°	212960
20°	144191
25°	114485
30°	84758
35°	7679
40°	2818
45°	855
50°	672
55°	753
60°	518
65°	409
70°	252
75°	334
80°	497
85°	0



TEST NUMBER: P220835

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.3	41.8
10°-20°	512.5	29.5
20°-30°	391.3	22.5
30°-40°	95.9	5.5
40°-50°	5.2	0.3
50°-60°	2.8	0.2
60°-70°	1.4	0.1
70°-80°	0.7	0.0
80°-90°	0.3	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°	1629.2	93.9
0°-40°	1725.1	99.4
0°-60°	1733.1	99.9
0°-90°	1735.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1735.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12380	
5°	9636	725
15°	1668	513
25°	841	391
35°	51	96
45°	5	5
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220835

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV

CANDELA DISTRIBUTION (FULL):

	0°
0°	12380.2
1°	12221.4
2°	11871.8
3°	11335.5
4°	10584.5
5°	9635.6
6°	8544.8
7°	7346.3
8°	6139.4
9°	5034.6
10°	4012.3
11°	3202.5
12°	2609.6
13°	2190.0
14°	1891.5
15°	1667.7
16°	1495.7
17°	1370.5
18°	1271.2
19°	1178.2
20°	1098.5
22.5°	947.5
25°	841.2
26°	812.5
27°	788.8
28°	765.0
29°	702.0
30°	595.1
32.5°	267.8
35°	51.0
37.5°	28.0
40°	17.5
42.5°	7.7
45°	4.9
47.5°	4.2
50°	3.5
52.5°	3.5
55°	3.5
57.5°	2.8
60°	2.1
62.5°	2.1
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7



TEST NUMBER: P220835

CATALOG NUMBER: 9004-W1-[RW, RI]-LED2797-S-BK-L3-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)