

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1313509

Luminaire Tested: LDSQA3D09R309727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

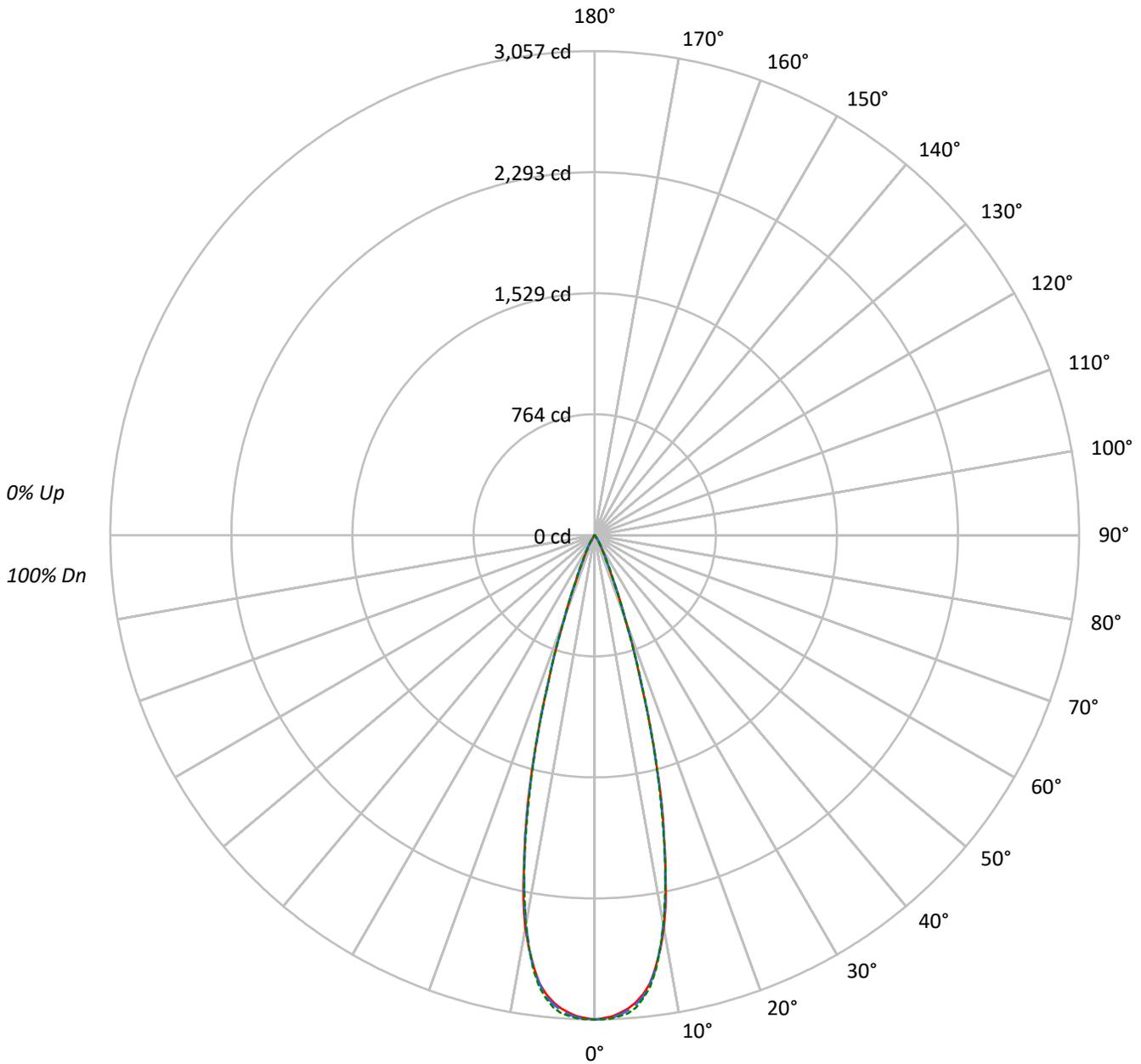
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 794.9 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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: 24 FT

TEST NUMBER: P1313509
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1313509

CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQCDR1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	526450	526450	526450
5°	512020	514250	517431
10°	440294	436534	436954
15°	270532	268356	268570
20°	102964	103184	101278
25°	32742	34490	32875
30°	13165	16347	13543
35°	4247	7211	4247
40°	1933	3170	1933
45°	755	1340	755
50°	322	670	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	33.9
10°-20°	400.0	50.3
20°-30°	99.4	12.5
30°-40°	19.8	2.5
40°-50°	3.6	0.5
50°-60°	1.1	0.1
60°-70°	0.8	0.1
70°-80°	0.6	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°	769.0	96.7
0°-40°	788.8	99.2
0°-60°	793.6	99.8
0°-90°	794.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3057	3057	3057	3057	3057	
5°	2962	2972	2975	2979	2993	269
15°	1517	1520	1505	1510	1506	402
25°	172	176	182	179	173	97
35°	20	26	34	26	20	16
45°	3	4	6	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3056.8	3056.8	3056.8	3056.8	3056.8
1°	3050.0	3053.7	3056.2	3056.2	3056.2
2°	3041.4	3043.9	3047.6	3048.2	3053.1
3°	3021.2	3026.7	3032.8	3036.5	3039.0
4°	2996.7	3004.0	3007.7	3016.9	3024.9
5°	2961.7	2971.5	2974.6	2978.9	2993.0
6°	2914.5	2921.8	2928.0	2929.8	2938.4
7°	2851.9	2855.6	2854.4	2857.4	2872.8
8°	2756.9	2758.1	2768.5	2761.8	2772.2
9°	2644.0	2639.1	2636.6	2641.5	2642.2
10°	2517.7	2501.1	2496.2	2491.9	2498.6
11°	2353.9	2332.4	2334.3	2333.1	2323.2
12°	2150.3	2147.8	2131.9	2135.0	2149.7
13°	1942.4	1946.7	1943.6	1947.3	1930.7
14°	1747.3	1726.5	1732.0	1711.1	1719.1
15°	1517.3	1520.4	1505.1	1510.0	1506.3
17.5°	971.5	978.2	973.3	969.0	975.8
20°	561.8	561.2	563.0	557.5	552.6
22.5°	295.6	299.9	305.4	306.0	309.7
25°	172.3	176.0	181.5	179.1	173.0
27.5°	105.5	112.2	120.8	114.7	107.3
30°	66.2	71.8	82.2	72.4	68.1
32.5°	37.4	45.4	54.0	45.4	37.4
35°	20.2	26.4	34.3	25.8	20.2
37.5°	13.5	15.3	22.7	15.3	13.5
40°	8.6	10.4	14.1	10.4	8.6
42.5°	4.9	6.7	8.0	6.7	4.9
45°	3.1	3.7	5.5	4.3	3.1
47.5°	1.2	1.8	3.7	1.8	1.8
50°	1.2	1.2	2.5	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)