

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: P1316425

Luminaire Tested: LDSQA3D09R309740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316425
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: LDSQA3D09R309740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

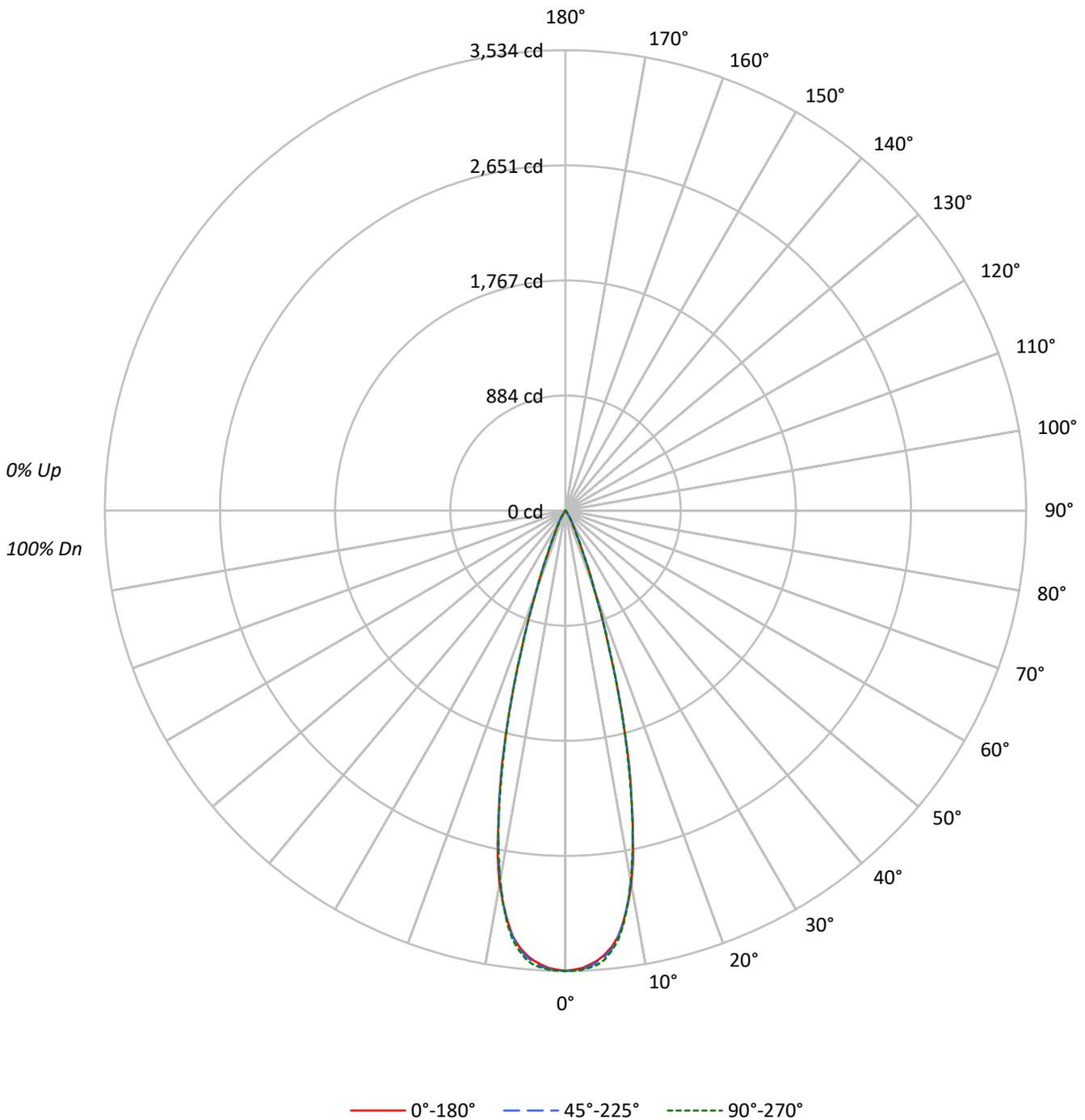
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 919.0 lumens
Efficiency: N/A
Efficacy: 82.8 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: P1316425
CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316425

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	608549	608549	608549
5°	591891	594450	598132
10°	508969	504615	505122
15°	312735	310203	310452
20°	119019	119276	117076
25°	37853	39887	37986
30°	15233	18892	15651
35°	4920	8347	4920
40°	2226	3665	2226
45°	852	1559	852
50°	375	750	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1559 cd/sqm



TEST NUMBER: P1316425

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	33.9
10°-20°	462.4	50.3
20°-30°	114.9	12.5
30°-40°	22.9	2.5
40°-50°	4.2	0.5
50°-60°	1.3	0.1
60°-70°	0.9	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°	889.0	96.7
0°-40°	911.9	99.2
0°-60°	917.4	99.8
0°-90°	919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3534	3534	3534	3534	3534	
5°	3424	3435	3438	3444	3460	311
15°	1754	1758	1740	1746	1741	464
25°	199	204	210	207	200	112
35°	23	30	40	30	23	19
45°	4	4	6	5	4	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



TEST NUMBER: P1316425

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3533.5	3533.5	3533.5	3533.5	3533.5
1°	3525.7	3530.0	3532.8	3532.8	3532.8
2°	3515.8	3518.7	3522.9	3523.6	3529.3
3°	3492.4	3498.8	3505.9	3510.1	3513.0
4°	3464.1	3472.6	3476.8	3487.5	3496.7
5°	3423.7	3435.0	3438.5	3443.5	3459.8
6°	3369.1	3377.6	3384.7	3386.8	3396.7
7°	3296.7	3301.0	3299.6	3303.1	3320.8
8°	3186.9	3188.3	3200.3	3192.5	3204.6
9°	3056.4	3050.7	3047.9	3053.6	3054.3
10°	2910.4	2891.2	2885.5	2880.6	2888.4
11°	2721.1	2696.2	2698.4	2696.9	2685.6
12°	2485.7	2482.8	2464.4	2467.9	2485.0
13°	2245.3	2250.3	2246.7	2251.0	2231.9
14°	2019.9	1995.8	2002.2	1978.0	1987.3
15°	1754.0	1757.6	1739.8	1745.5	1741.2
17.5°	1123.0	1130.8	1125.1	1120.2	1128.0
20°	649.4	648.7	650.8	644.5	638.8
22.5°	341.7	346.7	353.1	353.8	358.0
25°	199.2	203.5	209.9	207.0	199.9
27.5°	121.9	129.7	139.7	132.6	124.1
30°	76.6	83.0	95.0	83.7	78.7
32.5°	43.2	52.5	62.4	52.5	43.2
35°	23.4	30.5	39.7	29.8	23.4
37.5°	15.6	17.7	26.2	17.7	15.6
40°	9.9	12.1	16.3	12.1	9.9
42.5°	5.7	7.8	9.2	7.8	5.7
45°	3.5	4.3	6.4	5.0	3.5
47.5°	1.4	2.1	4.3	2.1	2.1
50°	1.4	1.4	2.8	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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



TEST NUMBER: P1316425
CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)