

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: P1313218

Luminaire Tested: LDSQA3D02R409727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

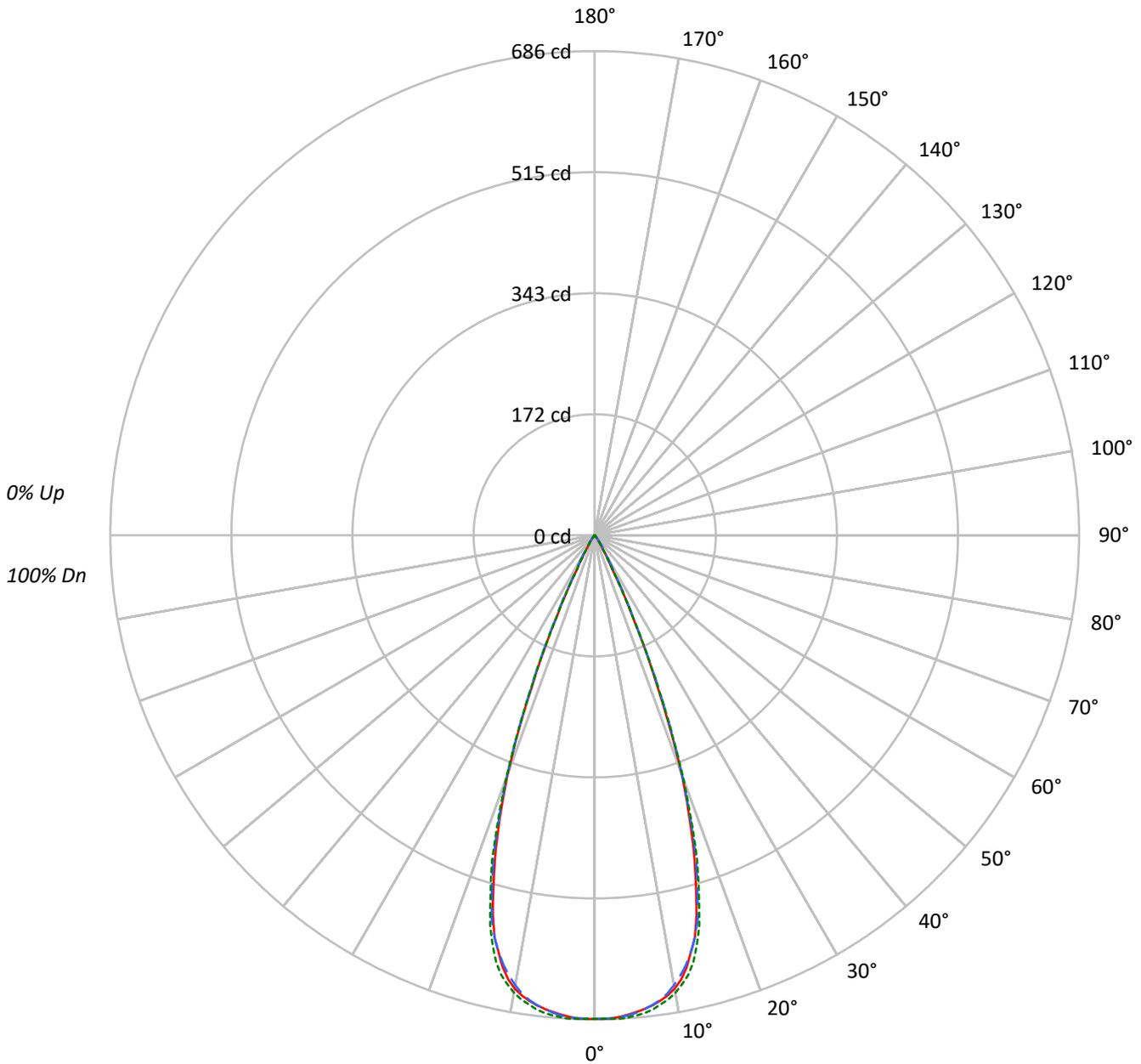
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 290.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1313218
CATALOG NUMBER: LDSQA3D02R409727DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1313218

CATALOG NUMBER: LDSQA3D02R409727DE010 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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	118007	118007	118007
5°	117230	117403	118043
10°	114056	113199	115088
15°	99365	100400	101951
20°	66199	66529	67170
25°	24057	24798	24190
30°	5111	6861	5111
35°	1808	3049	1724
40°	652	967	652
45°	146	390	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm



TEST NUMBER: P1313218

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	22.1
10°-20°	149.2	51.5
20°-30°	67.2	23.2
30°-40°	7.7	2.6
40°-50°	1.1	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	280.4	96.7
0°-40°	288.0	99.3
0°-60°	289.5	99.8
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	678	677	679	682	683	64
15°	557	559	563	568	572	148
25°	127	128	130	130	127	66
35°	9	10	14	9	8	6
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	685.2	685.2	685.2	685.2	685.2
1°	685.6	685.0	684.8	686.0	685.0
2°	685.0	684.6	684.8	686.0	685.2
3°	683.2	683.4	684.0	686.2	686.0
4°	680.9	680.7	681.9	684.8	684.8
5°	678.1	677.3	679.1	682.2	682.8
6°	674.8	673.8	675.2	679.1	680.5
7°	671.1	669.1	670.3	675.0	676.8
8°	666.2	663.6	665.0	669.7	671.1
9°	660.1	656.0	657.3	663.0	665.8
10°	652.2	647.1	647.3	653.6	658.1
11°	641.0	635.2	635.5	643.4	648.1
12°	626.1	621.0	622.0	629.3	636.9
13°	605.9	604.5	605.7	613.6	620.6
14°	586.3	584.9	587.1	594.5	597.7
15°	557.3	558.8	563.1	567.5	571.8
17.5°	465.6	471.1	476.2	479.2	482.9
20°	361.2	354.8	363.0	359.3	366.5
22.5°	233.1	237.8	239.8	237.8	238.6
25°	126.6	127.5	130.5	130.5	127.3
27.5°	53.8	58.1	62.0	60.6	53.8
30°	25.7	29.6	34.5	29.8	25.7
32.5°	14.5	17.1	22.2	16.7	14.1
35°	8.6	9.6	14.5	9.2	8.2
37.5°	5.1	5.3	8.0	5.5	4.9
40°	2.9	3.5	4.3	3.5	2.9
42.5°	1.4	2.0	2.7	2.0	1.4
45°	0.6	1.0	1.6	1.0	0.6
47.5°	0.6	0.6	1.0	0.6	0.6
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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: P1313218
CATALOG NUMBER: LDSQA3D02R409727DE010 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)