

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: P1316302

Luminaire Tested: LDSQA3D05R409740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316302
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: LDSQA3D05R409740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

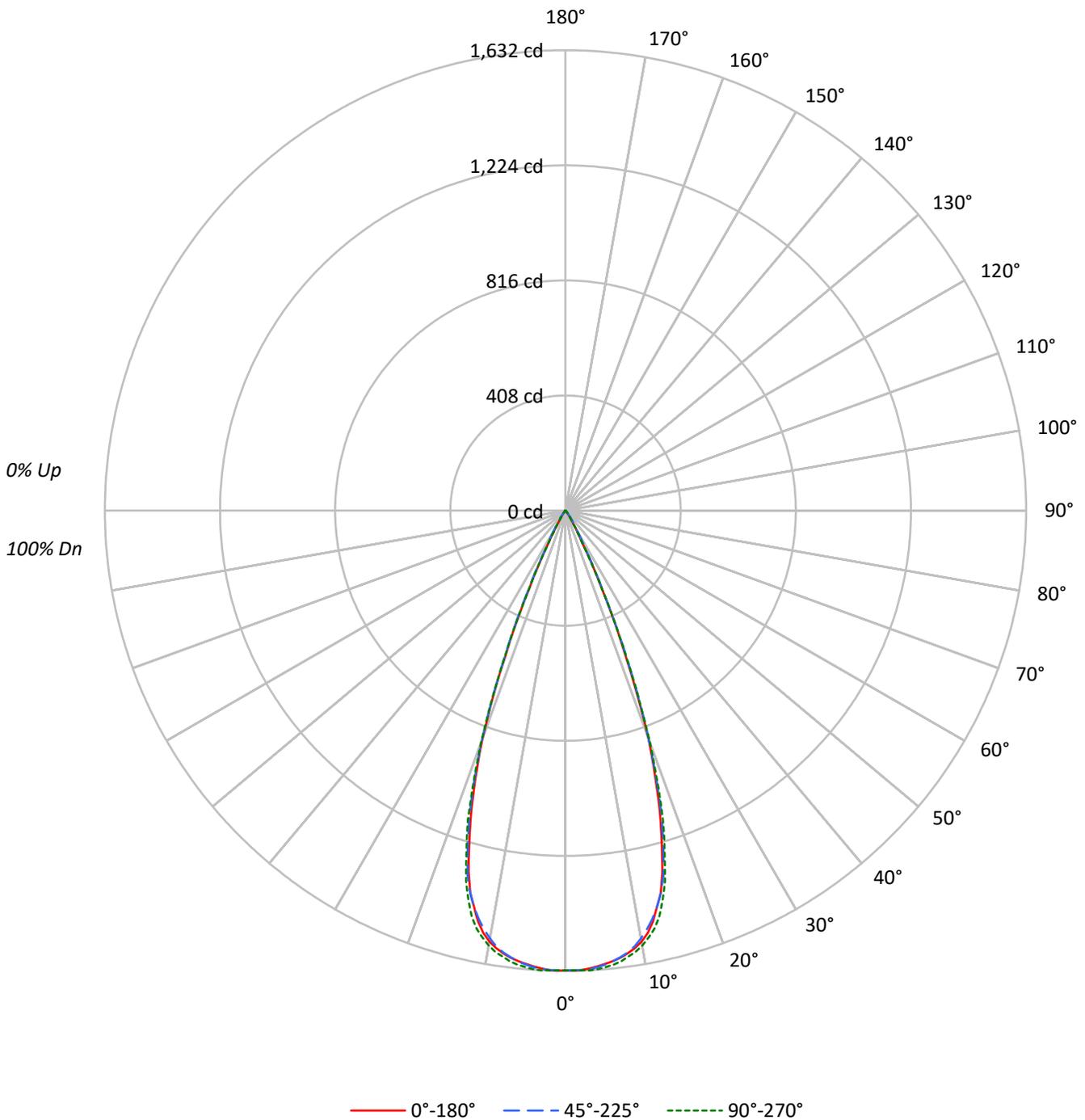
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 690.1 lumens
Efficiency: N/A
Efficacy: 95.8 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): 7.2
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

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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	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	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	280775	280775	280775
5°	278908	279340	280844
10°	271360	269332	273826
15°	236441	238866	242574
20°	157489	158295	159798
25°	57255	59003	57540
30°	12151	16307	12151
35°	4289	7253	4079
40°	1529	2293	1529
45°	365	950	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	408	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	22.1
10°-20°	355.0	51.4
20°-30°	159.8	23.2
30°-40°	18.2	2.6
40°-50°	2.6	0.4
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	667.1	96.7
0°-40°	685.3	99.3
0°-60°	688.8	99.8
0°-90°	690.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1613	1611	1616	1623	1624	152
15°	1326	1330	1340	1350	1360	352
25°	301	303	310	310	303	156
35°	20	23	34	22	19	15
45°	2	2	4	2	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
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°	1630.3	1630.3	1630.3	1630.3	1630.3
1°	1631.3	1629.8	1629.4	1632.3	1629.8
2°	1629.8	1628.9	1629.4	1632.3	1630.3
3°	1625.5	1626.0	1627.4	1632.8	1632.3
4°	1620.1	1619.7	1622.6	1629.4	1629.4
5°	1613.3	1611.4	1615.8	1623.0	1624.5
6°	1605.6	1603.2	1606.6	1615.8	1619.2
7°	1596.8	1592.0	1594.9	1606.1	1610.4
8°	1585.2	1578.9	1582.3	1593.5	1596.8
9°	1570.6	1560.9	1563.9	1577.4	1584.2
10°	1551.7	1539.6	1540.1	1555.1	1565.8
11°	1525.0	1511.4	1511.9	1530.9	1542.0
12°	1489.6	1477.5	1479.9	1497.4	1515.3
13°	1441.6	1438.2	1441.1	1460.0	1476.5
14°	1395.0	1391.6	1396.9	1414.4	1422.2
15°	1326.1	1329.5	1339.7	1350.4	1360.5
17.5°	1107.7	1120.9	1133.0	1140.3	1149.0
20°	859.3	844.3	863.7	855.0	871.9
22.5°	554.6	565.8	570.6	565.8	567.7
25°	301.3	303.3	310.5	310.5	302.8
27.5°	128.1	138.3	147.5	144.1	128.1
30°	61.1	70.4	82.0	70.8	61.1
32.5°	34.5	40.8	52.9	39.8	33.5
35°	20.4	22.8	34.5	21.8	19.4
37.5°	12.1	12.6	18.9	13.1	11.6
40°	6.8	8.2	10.2	8.2	6.8
42.5°	3.4	4.9	6.3	4.9	3.4
45°	1.5	2.4	3.9	2.4	1.5
47.5°	1.5	1.5	2.4	1.5	1.5
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	1.0	1.0	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)