

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: P1315330

Luminaire Tested: LDSQA3D05R409735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315330
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: LDSQA3D05R409735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

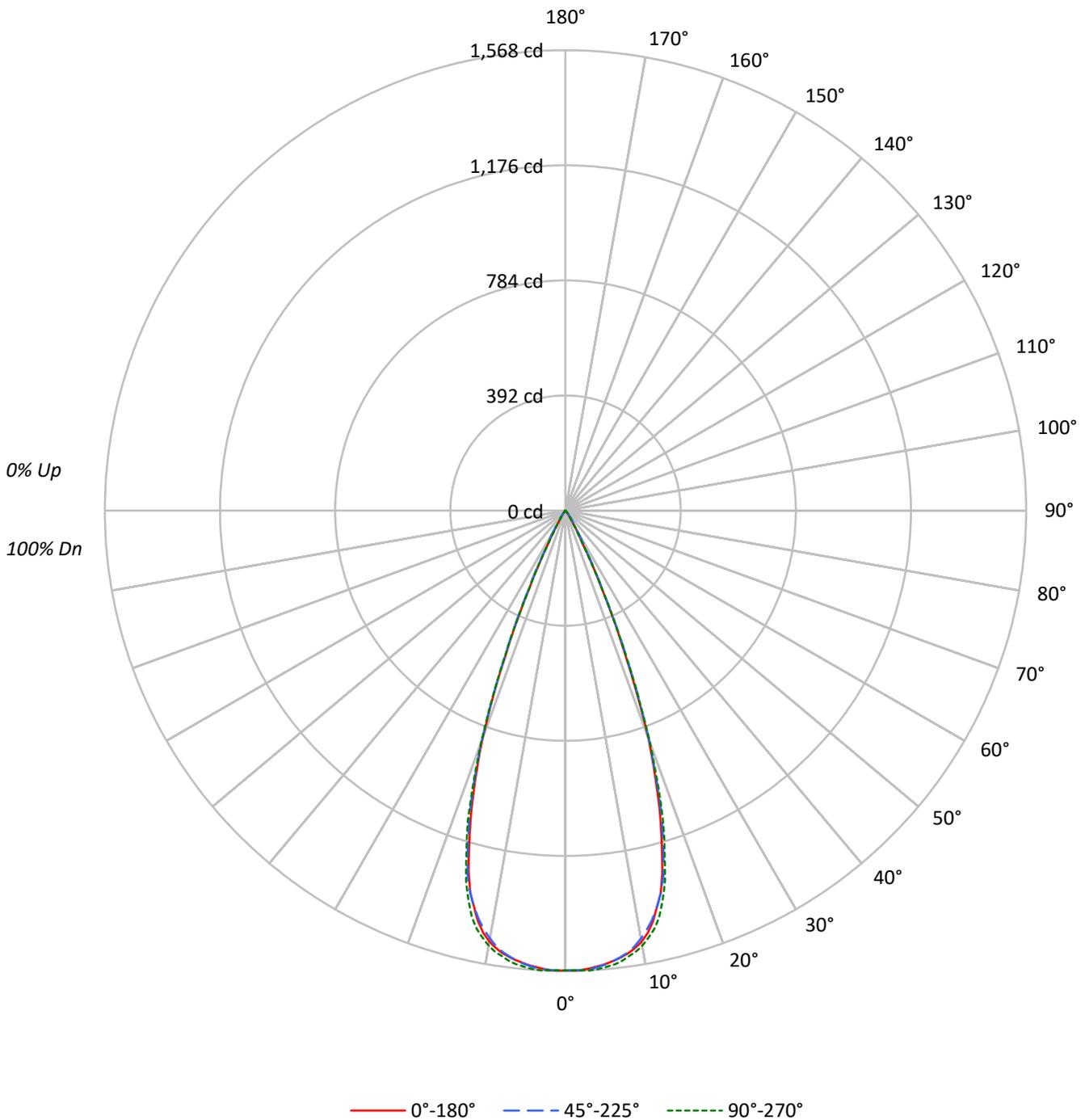
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.0 lumens
Efficiency: N/A
Efficacy: 92.1 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	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	269787	269787	269787
5°	267999	268397	269849
10°	260745	258787	263106
15°	227187	229523	233089
20°	151331	152100	153548
25°	55013	56704	55279
30°	11673	15671	11673
35°	4121	6959	3911
40°	1461	2203	1461
45°	341	901	341
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	367	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: 901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	22.1
10°-20°	341.1	51.5
20°-30°	153.5	23.2
30°-40°	17.5	2.6
40°-50°	2.5	0.4
50°-60°	0.8	0.1
60°-70°	0.7	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°	641.0	96.7
0°-40°	658.5	99.3
0°-60°	661.8	99.8
0°-90°	663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1550	1548	1552	1560	1561	146
15°	1274	1278	1287	1298	1307	338
25°	290	291	298	298	291	150
35°	20	22	33	21	19	15
45°	1	2	4	2	1	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°	1566.5	1566.5	1566.5	1566.5	1566.5
1°	1567.5	1566.1	1565.6	1568.4	1566.1
2°	1566.1	1565.1	1565.6	1568.4	1566.5
3°	1561.9	1562.3	1563.7	1568.9	1568.4
4°	1556.7	1556.3	1559.1	1565.6	1565.6
5°	1550.2	1548.3	1552.5	1559.5	1560.9
6°	1542.8	1540.4	1543.7	1552.5	1555.8
7°	1534.4	1529.7	1532.5	1543.2	1547.4
8°	1523.2	1517.1	1520.4	1531.1	1534.4
9°	1509.2	1499.9	1502.7	1515.7	1522.2
10°	1491.0	1479.3	1479.8	1494.3	1504.5
11°	1465.4	1452.3	1452.8	1471.0	1481.7
12°	1431.3	1419.7	1422.0	1438.8	1456.0
13°	1385.2	1381.9	1384.7	1402.9	1418.7
14°	1340.4	1337.1	1342.3	1359.1	1366.5
15°	1274.2	1277.5	1287.3	1297.5	1307.3
17.5°	1064.4	1077.0	1088.6	1095.6	1104.0
20°	825.7	811.2	829.9	821.5	837.8
22.5°	532.9	543.6	548.3	543.6	545.5
25°	289.5	291.4	298.4	298.4	290.9
27.5°	123.1	132.9	141.7	138.5	123.1
30°	58.7	67.6	78.8	68.1	58.7
32.5°	33.1	39.2	50.8	38.2	32.2
35°	19.6	21.9	33.1	21.0	18.6
37.5°	11.7	12.1	18.2	12.6	11.2
40°	6.5	7.9	9.8	7.9	6.5
42.5°	3.3	4.7	6.1	4.7	3.3
45°	1.4	2.3	3.7	2.3	1.4
47.5°	1.4	1.4	2.3	1.4	1.4
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.5	0.9	0.9	0.9	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)