

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: P1320159

Luminaire Tested: LDSQA3D13R509840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

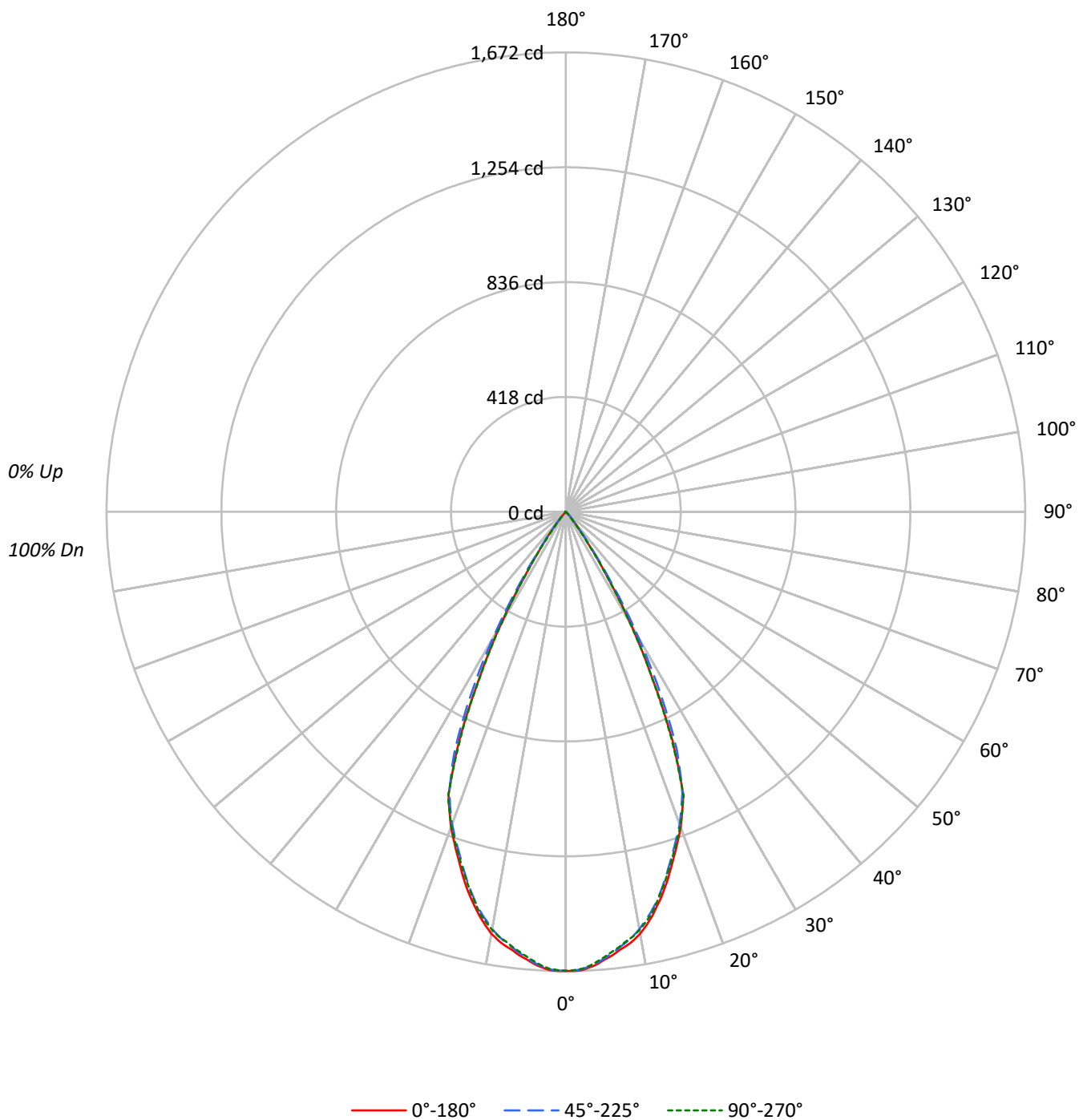
Lumens per Lamp: N/A
Luminaire Lumens: 1076.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (Ain): 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: P1320159

CATALOG NUMBER: LDSQA3D13R509840DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1320159

CATALOG NUMBER: LDSQA3D13R509840DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	287767	287767	287767
5°	282746	281951	281156
10°	272690	269734	270276
15°	250847	247692	248387
20°	223999	221892	223156
25°	174330	181646	172430
30°	94441	105458	92751
35°	29771	35447	29119
40°	6565	9173	6228
45°	195	2801	195
50°	0	402	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2801 cd/sqm

TEST NUMBER: P1320159

CATALOG NUMBER: LDSQA3D13R509840DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	14.2
10°-20°	389.0	36.1
20°-30°	409.7	38.1
30°-40°	117.0	10.9
40°-50°	7.2	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	951.7	88.4
0°-40°	1068.7	99.3
0°-60°	1076.0	100.0
0°-90°	1076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1671	1671	1671	1671	1671	
5°	1636	1634	1631	1629	1626	154
15°	1407	1398	1389	1392	1393	392
25°	917	951	956	945	907	401
35°	142	152	169	143	138	110
45°	1	4	12	4	1	4
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	

TEST NUMBER: P1320159

CATALOG NUMBER: LDSQA3D13R509840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1670.9	1670.9	1670.9	1670.9	1670.9
1°	1671.7	1672.5	1670.9	1672.5	1668.6
2°	1669.4	1667.9	1666.3	1667.1	1664.8
3°	1660.9	1660.2	1657.1	1657.8	1654.8
4°	1650.2	1647.8	1645.5	1644.0	1640.9
5°	1635.5	1634.0	1630.9	1629.4	1626.3
6°	1623.2	1620.1	1614.7	1613.2	1610.1
7°	1607.1	1605.5	1598.6	1597.0	1595.5
8°	1594.7	1590.1	1581.7	1582.4	1578.6
9°	1578.6	1572.4	1564.0	1564.0	1564.7
10°	1559.3	1550.1	1542.4	1544.7	1545.5
11°	1533.9	1527.8	1516.2	1521.6	1521.6
12°	1506.2	1498.5	1490.1	1494.7	1497.8
13°	1473.9	1467.7	1460.0	1464.7	1463.1
14°	1442.3	1430.8	1425.4	1431.6	1429.3
15°	1406.9	1397.7	1389.2	1391.5	1393.1
17.5°	1312.3	1302.3	1296.1	1296.9	1303.8
20°	1222.2	1218.4	1210.7	1213.8	1217.6
22.5°	1116.0	1117.5	1108.3	1110.6	1119.9
25°	917.4	951.3	955.9	945.1	907.4
27.5°	679.6	730.4	745.8	721.2	675.0
30°	474.9	488.7	530.3	483.3	466.4
32.5°	278.6	299.4	321.7	289.4	277.8
35°	141.6	151.6	168.6	143.2	138.5
37.5°	65.4	70.0	77.0	65.4	61.6
40°	29.2	34.6	40.8	33.1	27.7
42.5°	9.2	16.2	21.6	14.6	8.5
45°	0.8	3.8	11.5	3.8	0.8
47.5°	0.0	0.8	4.6	0.8	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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: P1320159

CATALOG NUMBER: LDSQA3D13R509840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)