

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: P1319283

Luminaire Tested: LDSQA3D13R509835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319283
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: LDSQA3D13R509835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

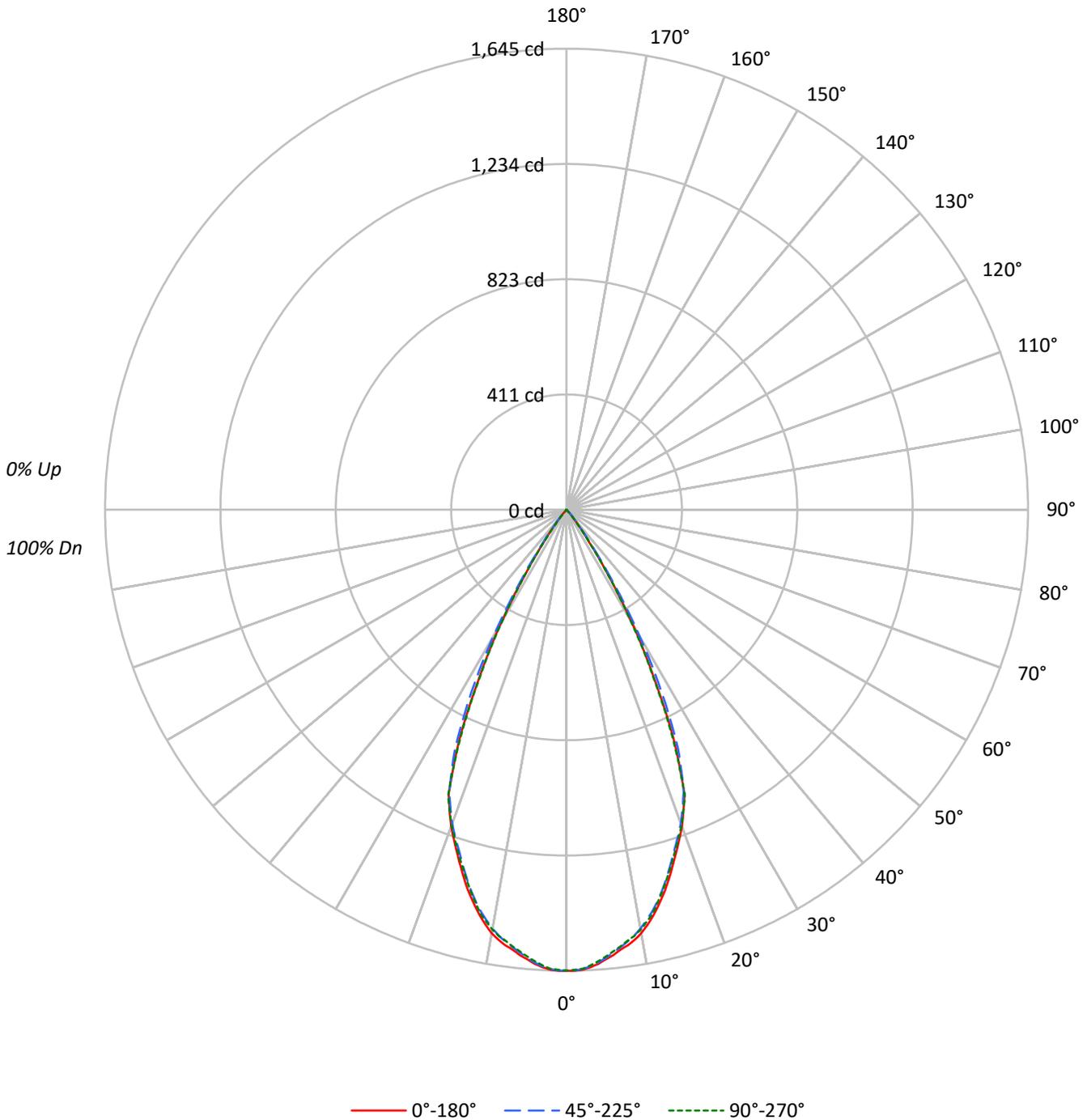
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1059.0 lumens
Efficiency: N/A
Efficacy: 73.0 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: P1319283
CATALOG NUMBER: LDSQA3D13R509835DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1319283

CATALOG NUMBER: LDSQA3D13R509835DE010 3LSQCDR1MMS

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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	283220	283220	283220
5°	278286	277490	276713
10°	268387	265467	266009
15°	246889	243787	244464
20°	220462	218373	219637
25°	171575	178777	169713
30°	92950	103788	91279
35°	29308	34880	28677
40°	6475	9015	6138
45°	195	2777	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: 2777 cd/sqm



TEST NUMBER: P1319283

CATALOG NUMBER: LDSQA3D13R509835DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	14.2
10°-20°	382.8	36.1
20°-30°	403.2	38.1
30°-40°	115.2	10.9
40°-50°	7.1	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°	936.7	88.4
0°-40°	1051.8	99.3
0°-60°	1059.0	100.0
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1644	1644	1644	1644	1644	
5°	1610	1608	1605	1604	1601	151
15°	1385	1376	1367	1370	1371	386
25°	903	936	941	930	893	395
35°	139	149	166	141	136	109
45°	1	4	11	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	0



TEST NUMBER: P1319283

CATALOG NUMBER: LDSQA3D13R509835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1644.5	1644.5	1644.5	1644.5	1644.5
1°	1645.3	1646.0	1644.5	1646.0	1642.3
2°	1643.0	1641.5	1640.0	1640.7	1638.5
3°	1634.7	1633.9	1630.9	1631.7	1628.6
4°	1624.1	1621.8	1619.5	1618.0	1615.0
5°	1609.7	1608.2	1605.1	1603.6	1600.6
6°	1597.6	1594.5	1589.2	1587.7	1584.7
7°	1581.7	1580.1	1573.3	1571.8	1570.3
8°	1569.5	1565.0	1556.7	1557.4	1553.6
9°	1553.6	1547.6	1539.2	1539.2	1540.0
10°	1534.7	1525.6	1518.0	1520.3	1521.1
11°	1509.7	1503.6	1492.3	1497.6	1497.6
12°	1482.4	1474.9	1466.5	1471.1	1474.1
13°	1450.6	1444.6	1437.0	1441.5	1440.0
14°	1419.6	1408.2	1402.9	1409.0	1406.7
15°	1384.7	1375.6	1367.3	1369.6	1371.1
17.5°	1291.5	1281.7	1275.6	1276.4	1283.2
20°	1202.9	1199.1	1191.5	1194.6	1198.4
22.5°	1098.4	1099.9	1090.8	1093.1	1102.2
25°	902.9	936.3	940.8	930.2	893.1
27.5°	668.9	718.9	734.0	709.8	664.3
30°	467.4	481.0	521.9	475.7	459.0
32.5°	274.2	294.7	316.6	284.8	273.5
35°	139.4	149.2	165.9	140.9	136.4
37.5°	64.4	68.9	75.8	64.4	60.6
40°	28.8	34.1	40.1	32.6	27.3
42.5°	9.1	15.9	21.2	14.4	8.3
45°	0.8	3.8	11.4	3.8	0.8
47.5°	0.0	0.8	4.5	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: P1319283
CATALOG NUMBER: LDSQA3D13R509835DE010 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)