

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: P1320324

Luminaire Tested: LDSQA3D17R609840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320324  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

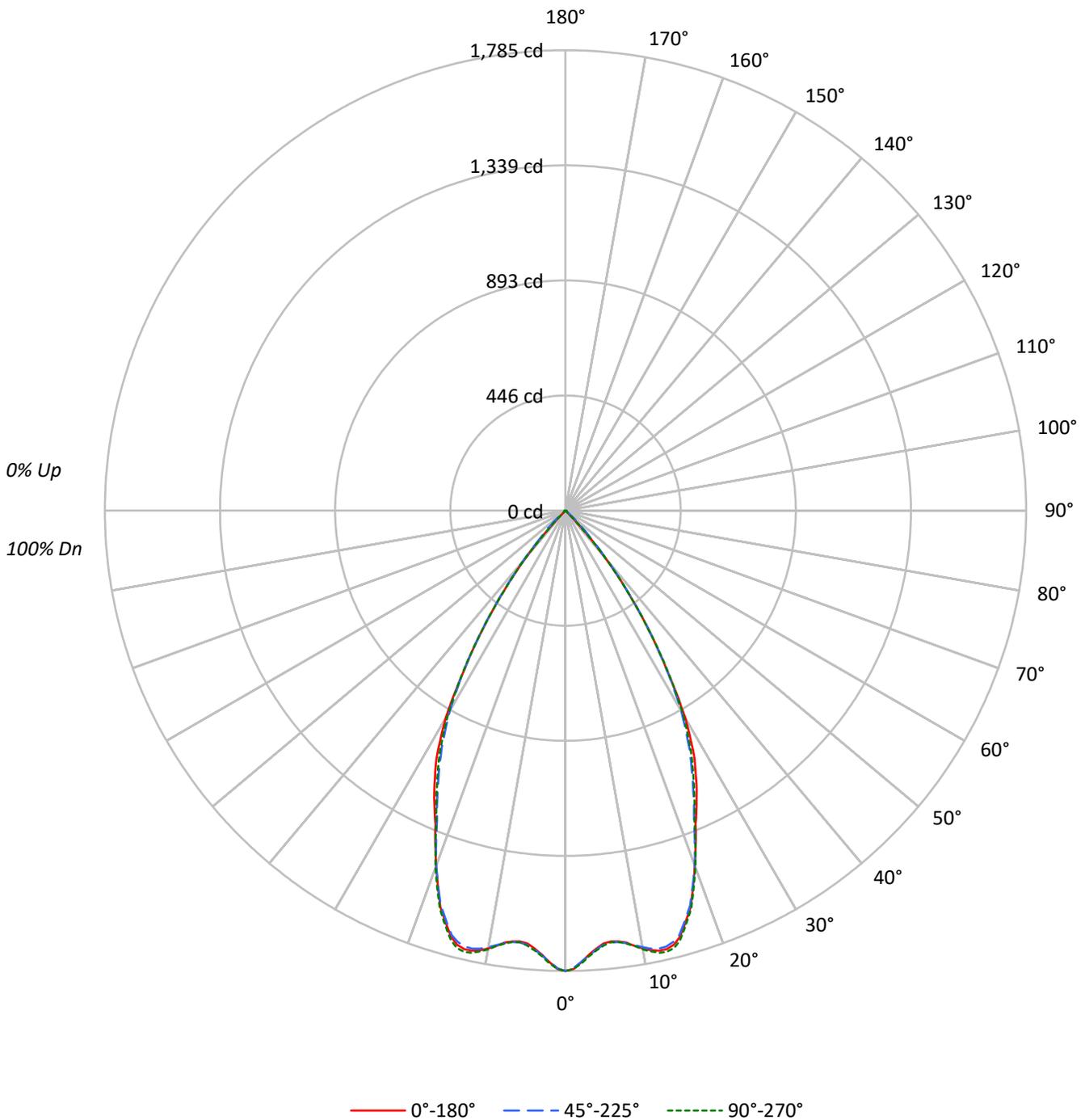
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1591.9 lumens  
Efficiency: N/A  
Efficacy: 78.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1320324  
CATALOG NUMBER: LDSQA3D17R609840DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1320324

CATALOG NUMBER: LDSQA3D17R609840DE010 3LSQCDR1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	307400	307400	307400
5°	291338	292203	292635
10°	301457	300583	302122
15°	305139	303802	306904
20°	268682	268462	269818
25°	228640	222008	223908
30°	184527	178084	181067
35°	116791	117842	116539
40°	54609	56835	55441
45°	3337	20021	3946
50°	1661	4662	1661
55°	1862	1862	1862
60°	1722	1722	1722
65°	1508	2038	1508
70°	1863	1863	1863
75°	1664	1664	1664
80°	1190	1190	1190
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 20021 cd/sqm



TEST NUMBER: P1320324

CATALOG NUMBER: LDSQA3D17R609840DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.6	10.2
10°-20°	468.5	29.4
20°-30°	540.1	33.9
30°-40°	346.8	21.8
40°-50°	60.3	3.8
50°-60°	5.7	0.4
60°-70°	4.4	0.3
70°-80°	2.6	0.2
80°-90°	0.8	0.1
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°	1171.3	73.6
0°-40°	1518.1	95.4
0°-60°	1584.1	99.5
0°-90°	1591.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1785	1785	1785	1785	1785	
5°	1685	1689	1690	1694	1693	162
15°	1711	1705	1704	1715	1721	469
25°	1203	1190	1168	1170	1178	549
35°	556	552	560	549	554	347
45°	14	41	82	49	16	45
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	2	2	2	2	2	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1320324

CATALOG NUMBER: LDSQA3D17R609840DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1784.9	1784.9	1784.9	1784.9	1784.9
1°	1777.4	1776.1	1774.9	1776.1	1777.4
2°	1752.5	1751.2	1750.0	1755.0	1757.5
3°	1725.1	1726.3	1727.6	1730.1	1731.3
4°	1702.7	1705.1	1706.4	1708.9	1710.1
5°	1685.2	1689.0	1690.2	1693.9	1692.7
6°	1680.2	1682.7	1684.0	1685.2	1682.7
7°	1682.7	1684.0	1685.2	1687.7	1685.2
8°	1691.4	1692.7	1693.9	1695.2	1695.2
9°	1708.9	1706.4	1705.1	1710.1	1708.9
10°	1723.8	1720.1	1718.8	1726.3	1727.6
11°	1736.3	1731.3	1730.1	1738.8	1741.3
12°	1745.0	1737.5	1736.3	1747.5	1752.5
13°	1745.0	1735.0	1735.0	1747.5	1755.0
14°	1735.0	1723.8	1723.8	1737.5	1746.2
15°	1711.4	1705.1	1703.9	1715.1	1721.3
17.5°	1611.7	1604.3	1605.5	1618.0	1619.2
20°	1466.0	1462.3	1464.8	1467.2	1472.2
22.5°	1317.8	1315.3	1301.6	1305.3	1307.8
25°	1203.2	1189.5	1168.3	1169.6	1178.3
27.5°	1082.4	1068.7	1038.8	1045.0	1053.7
30°	927.9	916.7	895.5	899.3	910.5
32.5°	728.6	751.1	731.1	737.4	733.6
35°	555.5	551.8	560.5	549.3	554.3
37.5°	391.1	392.3	396.1	386.1	386.1
40°	242.9	249.1	252.8	247.9	246.6
42.5°	102.1	139.5	147.0	139.5	103.4
45°	13.7	41.1	82.2	48.6	16.2
47.5°	6.2	8.7	43.6	8.7	6.2
50°	6.2	6.2	17.4	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	5.0	5.0	5.0	5.0	5.0
62.5°	5.0	5.0	5.0	5.0	5.0
65°	3.7	5.0	5.0	5.0	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7	3.7
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320324  
CATALOG NUMBER: LDSQA3D17R609840DE010 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)