

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: P1317696

Luminaire Tested: LDSQA3D17R609827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

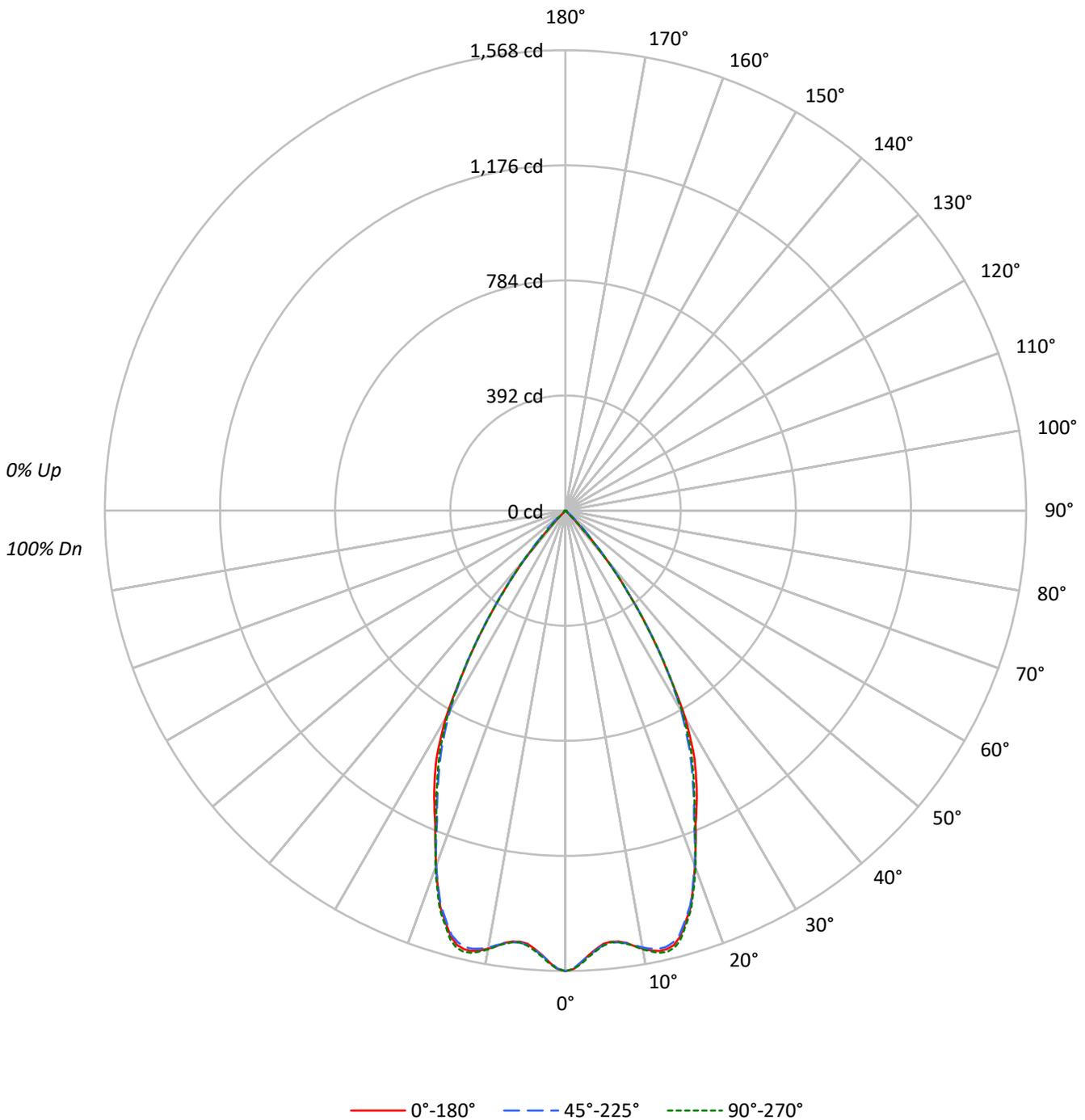
Test Method: LM-79-2019  
Report Number: P1317696  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1399.1 lumens  
Efficiency: N/A  
Efficacy: 68.6 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: P1317696  
CATALOG NUMBER: LDSQA3D17R609827DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1317696  
 CATALOG NUMBER: LDSQA3D17R609827DE010 3LSQCDR1MW

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

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

	0°	45°	90°
0°	270131	270131	270131
5°	256019	256779	257160
10°	264907	264155	265484
15°	268142	266966	269711
20°	236114	235912	237104
25°	200915	195100	196754
30°	162155	156507	159112
35°	102642	103546	102410
40°	47977	49955	48719
45°	2923	17585	3459
50°	1474	4099	1474
55°	1651	1651	1651
60°	1516	1516	1516
65°	1345	1793	1345
70°	1662	1662	1662
75°	1464	1464	1464
80°	1091	1091	1091
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 17585 cd/sqm



TEST NUMBER: P1317696

CATALOG NUMBER: LDSQA3D17R609827DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.9	10.2
10°-20°	411.7	29.4
20°-30°	474.6	33.9
30°-40°	304.8	21.8
40°-50°	53.0	3.8
50°-60°	5.1	0.4
60°-70°	3.9	0.3
70°-80°	2.3	0.2
80°-90°	0.7	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°	1029.3	73.6
0°-40°	1334.0	95.4
0°-60°	1392.1	99.5
0°-90°	1399.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1568	1568	1568	1568	1568	
5°	1481	1484	1485	1489	1488	143
15°	1504	1498	1497	1507	1513	412
25°	1057	1045	1027	1028	1035	482
35°	488	485	492	483	487	305
45°	12	36	72	43	14	40
55°	6	6	6	6	6	5
65°	3	4	4	4	3	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1317696  
 CATALOG NUMBER: LDSQA3D17R609827DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1568.5	1568.5	1568.5	1568.5	1568.5
1°	1561.9	1560.8	1559.7	1560.8	1561.9
2°	1540.0	1538.9	1537.8	1542.2	1544.4
3°	1515.9	1517.0	1518.1	1520.3	1521.4
4°	1496.2	1498.4	1499.5	1501.7	1502.8
5°	1480.9	1484.2	1485.3	1488.6	1487.5
6°	1476.5	1478.7	1479.8	1480.9	1478.7
7°	1478.7	1479.8	1480.9	1483.1	1480.9
8°	1486.4	1487.5	1488.6	1489.7	1489.7
9°	1501.7	1499.5	1498.4	1502.8	1501.7
10°	1514.8	1511.6	1510.5	1517.0	1518.1
11°	1525.8	1521.4	1520.3	1528.0	1530.2
12°	1533.5	1526.9	1525.8	1535.6	1540.0
13°	1533.5	1524.7	1524.7	1535.6	1542.2
14°	1524.7	1514.8	1514.8	1526.9	1534.5
15°	1503.9	1498.4	1497.3	1507.2	1512.7
17.5°	1416.3	1409.8	1410.9	1421.8	1422.9
20°	1288.3	1285.0	1287.2	1289.4	1293.7
22.5°	1158.0	1155.8	1143.8	1147.1	1149.3
25°	1057.3	1045.3	1026.7	1027.8	1035.4
27.5°	951.2	939.1	912.8	918.3	926.0
30°	815.4	805.6	787.0	790.3	800.1
32.5°	640.3	660.0	642.5	648.0	644.7
35°	488.2	484.9	492.5	482.7	487.1
37.5°	343.7	344.8	348.1	339.3	339.3
40°	213.4	218.9	222.2	217.8	216.7
42.5°	89.8	122.6	129.2	122.6	90.8
45°	12.0	36.1	72.2	42.7	14.2
47.5°	5.5	7.7	38.3	7.7	5.5
50°	5.5	5.5	15.3	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	4.4	4.4	4.4	4.4
65°	3.3	4.4	4.4	4.4	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3
72.5°	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317696  
CATALOG NUMBER: LDSQA3D17R609827DE010 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)