

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: P1315837

Luminaire Tested: LDSQA3D17R609735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

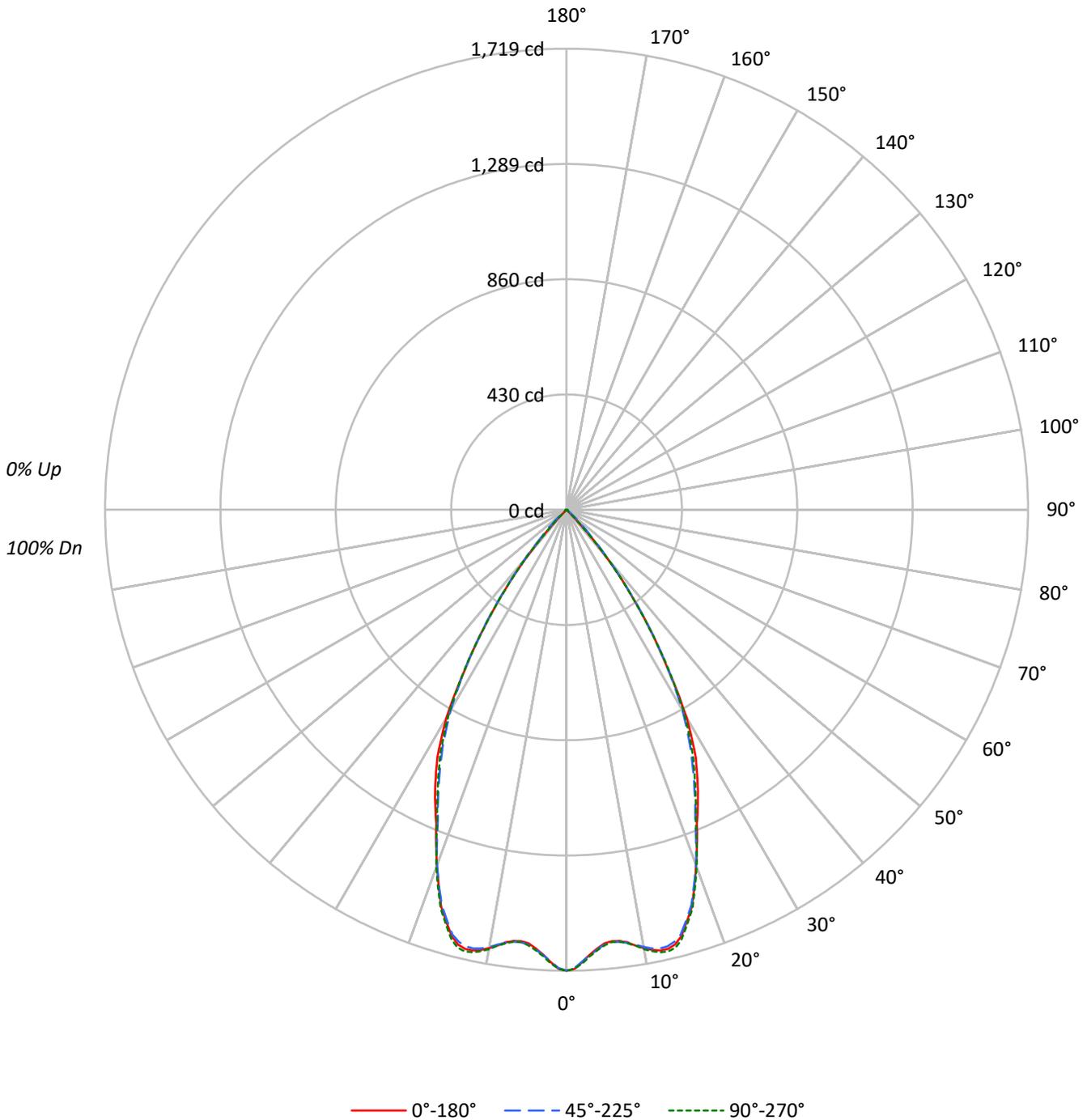
Test Method: LM-79-2019  
Report Number: P1315837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1533.0 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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: P1315837  
CATALOG NUMBER: LDSQA3D17R609735DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1315837

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

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

	0°	45°	90°
0°	295999	295999	295999
5°	280550	281380	281795
10°	290282	289443	290912
15°	293817	292551	295529
20°	258730	258510	259830
25°	220165	213780	215604
30°	177686	171502	174345
35°	112460	113469	112208
40°	52586	54744	53395
45°	3215	19290	3800
50°	1608	4501	1608
55°	1802	1802	1802
60°	1653	1653	1653
65°	1467	1956	1467
70°	1813	1813	1813
75°	1597	1597	1597
80°	1190	1190	1190
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 19290 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.6	10.2
10°-20°	451.2	29.4
20°-30°	520.1	33.9
30°-40°	333.9	21.8
40°-50°	58.1	3.8
50°-60°	5.5	0.4
60°-70°	4.2	0.3
70°-80°	2.5	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°	1127.9	73.6
0°-40°	1461.8	95.4
0°-60°	1525.4	99.5
0°-90°	1533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1623	1626	1628	1631	1630	156
15°	1648	1642	1641	1652	1658	452
25°	1159	1145	1125	1126	1135	528
35°	535	531	540	529	534	334
45°	13	40	79	47	16	44
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1718.7	1718.7	1718.7	1718.7	1718.7
1°	1711.5	1710.3	1709.1	1710.3	1711.5
2°	1687.5	1686.3	1685.1	1689.9	1692.3
3°	1661.1	1662.3	1663.5	1665.9	1667.1
4°	1639.6	1642.0	1643.2	1645.6	1646.7
5°	1622.8	1626.4	1627.6	1631.2	1630.0
6°	1618.0	1620.4	1621.6	1622.8	1620.4
7°	1620.4	1621.6	1622.8	1625.2	1622.8
8°	1628.8	1630.0	1631.2	1632.4	1632.4
9°	1645.6	1643.2	1642.0	1646.7	1645.6
10°	1659.9	1656.3	1655.1	1662.3	1663.5
11°	1671.9	1667.1	1665.9	1674.3	1676.7
12°	1680.3	1673.1	1671.9	1682.7	1687.5
13°	1680.3	1670.7	1670.7	1682.7	1689.9
14°	1670.7	1659.9	1659.9	1673.1	1681.5
15°	1647.9	1642.0	1640.8	1651.5	1657.5
17.5°	1552.0	1544.8	1546.0	1558.0	1559.2
20°	1411.7	1408.1	1410.5	1412.9	1417.7
22.5°	1268.9	1266.5	1253.4	1257.0	1259.3
25°	1158.6	1145.4	1125.0	1126.2	1134.6
27.5°	1042.3	1029.1	1000.3	1006.3	1014.7
30°	893.5	882.7	862.4	866.0	876.7
32.5°	701.6	723.2	704.0	710.0	706.4
35°	534.9	531.3	539.7	528.9	533.7
37.5°	376.6	377.8	381.4	371.8	371.8
40°	233.9	239.9	243.5	238.7	237.5
42.5°	98.3	134.3	141.5	134.3	99.5
45°	13.2	39.6	79.2	46.8	15.6
47.5°	6.0	8.4	42.0	8.4	6.0
50°	6.0	6.0	16.8	6.0	6.0
52.5°	6.0	6.0	6.0	6.0	6.0
55°	6.0	6.0	6.0	6.0	6.0
57.5°	6.0	6.0	6.0	6.0	6.0
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.8	4.8	4.8	4.8	4.8
65°	3.6	4.8	4.8	4.8	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4
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



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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)