

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: P1309471

Luminaire Tested: LDSQA3D17R609030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

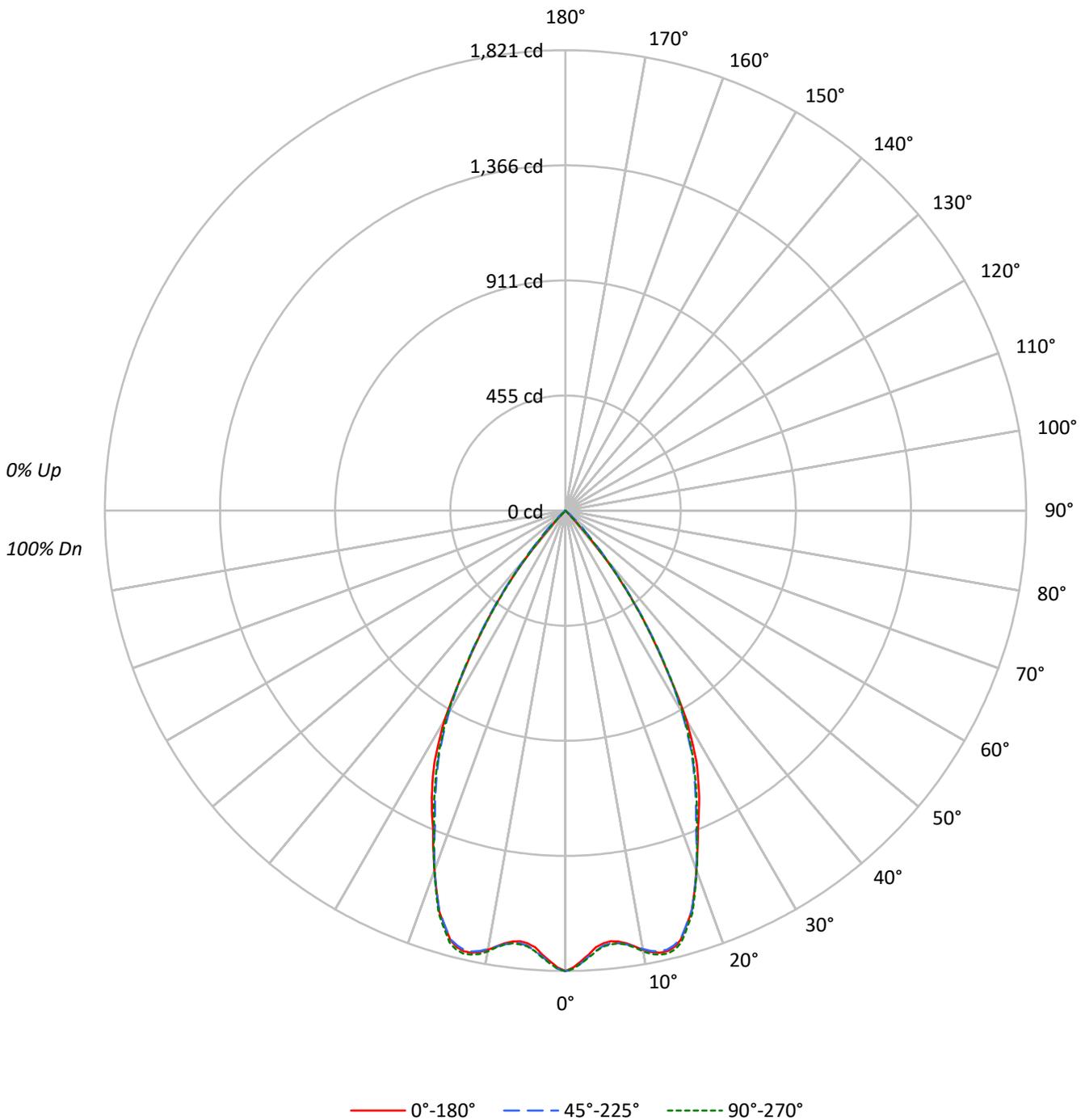
Test Method: LM-79-2019  
Report Number: P1309471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1614.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 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 (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

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### Luminous Intensity Polar Plot





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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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

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

	0°	45°	90°
0°	313669	313669	313669
5°	297061	298616	299066
10°	308382	307928	309729
15°	313484	313020	315320
20°	277424	277424	277882
25°	237742	230654	232612
30°	190175	183275	186079
35°	117990	120428	117716
40°	51799	57015	53238
45°	633	18486	1559
50°	0	2063	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: 18486 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	10.3
10°-20°	482.2	29.9
20°-30°	559.8	34.7
30°-40°	352.5	21.8
40°-50°	52.9	3.3
50°-60°	0.3	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°	1208.3	74.9
0°-40°	1560.8	96.7
0°-60°	1614.0	100.0
0°-90°	1614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1821	1821	1821	1821	1821	
5°	1718	1725	1727	1731	1730	166
15°	1758	1752	1756	1767	1768	482
25°	1251	1237	1214	1219	1224	569
35°	561	562	573	561	560	350
45°	3	24	76	32	6	35
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1821.3	1821.3	1821.3	1821.3	1821.3
1°	1807.1	1812.3	1812.3	1813.6	1812.3
2°	1782.7	1790.4	1790.4	1794.2	1791.7
3°	1758.2	1764.6	1765.9	1771.1	1769.8
4°	1731.2	1741.5	1745.3	1747.9	1746.6
5°	1718.3	1724.7	1727.3	1731.2	1729.9
6°	1713.2	1718.3	1720.9	1724.7	1724.7
7°	1717.0	1720.9	1724.7	1727.3	1724.7
8°	1728.6	1732.5	1732.5	1737.6	1733.8
9°	1745.3	1746.6	1746.6	1753.1	1749.2
10°	1763.4	1760.8	1760.8	1769.8	1771.1
11°	1778.8	1776.2	1774.9	1784.0	1786.5
12°	1787.8	1782.7	1782.7	1794.2	1795.5
13°	1789.1	1782.7	1782.7	1794.2	1798.1
14°	1778.8	1771.1	1772.4	1785.2	1789.1
15°	1758.2	1751.8	1755.6	1767.2	1768.5
17.5°	1660.4	1656.5	1659.1	1666.8	1668.1
20°	1513.7	1511.1	1513.7	1513.7	1516.2
22.5°	1368.2	1361.8	1348.9	1356.6	1357.9
25°	1251.1	1236.9	1213.8	1218.9	1224.1
27.5°	1122.4	1104.4	1079.9	1086.3	1087.6
30°	956.3	947.3	921.6	928.0	935.7
32.5°	738.8	763.3	747.8	746.5	747.8
35°	561.2	562.5	572.8	561.2	559.9
37.5°	392.6	393.9	401.6	388.7	390.0
40°	230.4	247.1	253.6	248.4	236.8
42.5°	72.1	127.4	144.2	124.9	79.8
45°	2.6	24.5	75.9	32.2	6.4
47.5°	0.0	1.3	36.0	2.6	0.0
50°	0.0	0.0	7.7	0.0	0.0
52.5°	0.0	0.0	1.3	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



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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)