

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: P1319448

Luminaire Tested: LDSQA3D17R609835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

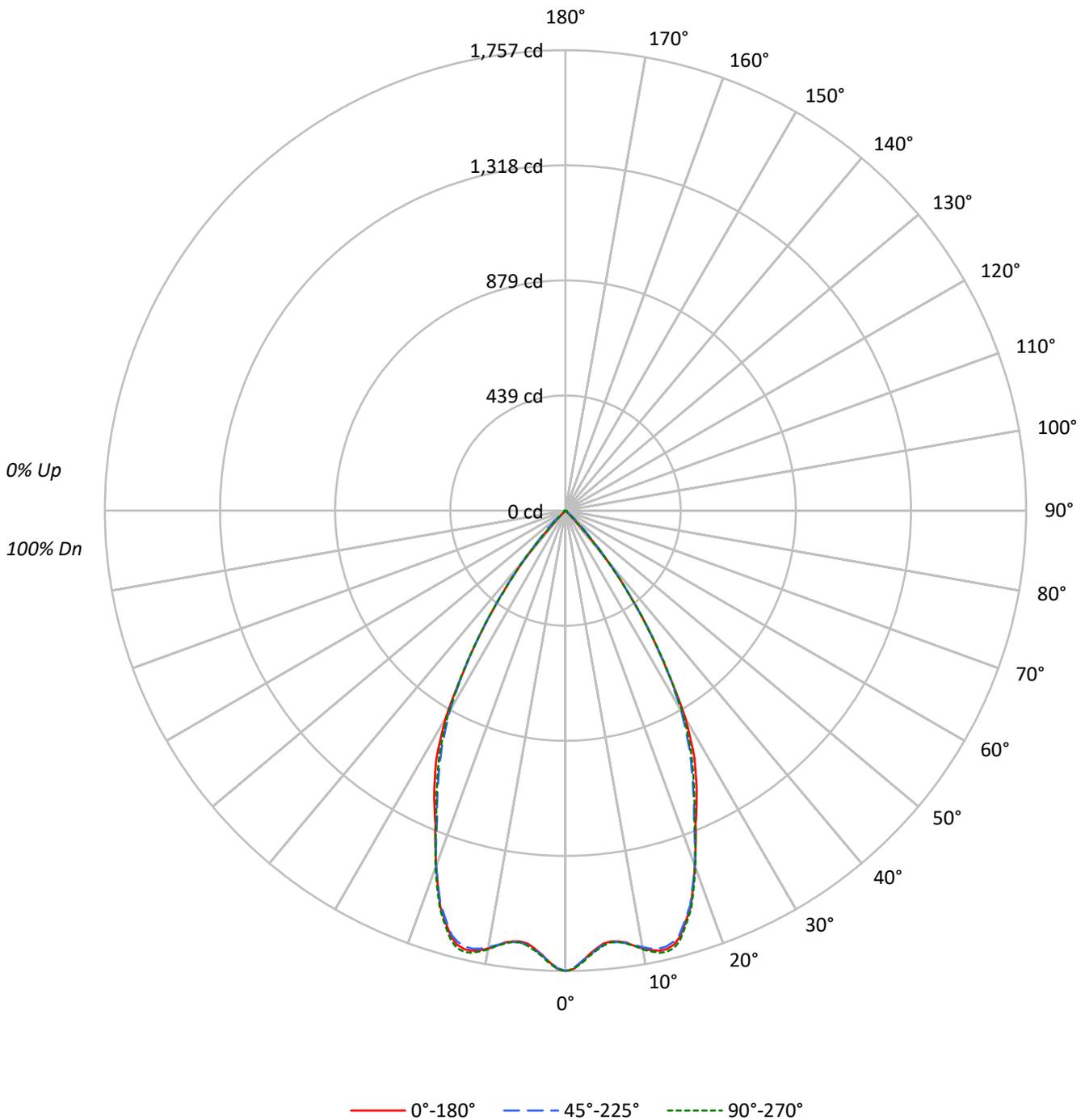
Test Method: LM-79-2019  
Report Number: P1319448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1567.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 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): 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

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### Luminous Intensity Polar Plot





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**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	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°	302561	302561	302561
5°	286774	287621	288036
10°	296735	295879	297365
15°	300343	299024	302090
20°	264467	264247	265585
25°	225049	218531	220393
30°	181644	175300	178223
35°	114962	115992	114710
40°	53755	55958	54564
45°	3288	19704	3873
50°	1634	4608	1634
55°	1832	1832	1832
60°	1688	1688	1688
65°	1508	1997	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: 19704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.1	10.2
10°-20°	461.2	29.4
20°-30°	531.6	33.9
30°-40°	341.4	21.8
40°-50°	59.4	3.8
50°-60°	5.6	0.4
60°-70°	4.3	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°	1152.9	73.6
0°-40°	1494.2	95.4
0°-60°	1559.3	99.5
0°-90°	1567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1757	1757	1757	1757	1757	
5°	1659	1662	1664	1667	1666	160
15°	1684	1678	1677	1688	1694	462
25°	1184	1171	1150	1151	1160	540
35°	547	543	552	541	546	341
45°	14	40	81	48	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1756.8	1756.8	1756.8	1756.8	1756.8
1°	1749.5	1748.2	1747.0	1748.2	1749.5
2°	1725.0	1723.7	1722.5	1727.4	1729.9
3°	1698.0	1699.2	1700.4	1702.9	1704.1
4°	1675.9	1678.4	1679.6	1682.0	1683.3
5°	1658.8	1662.4	1663.7	1667.3	1666.1
6°	1653.8	1656.3	1657.5	1658.8	1656.3
7°	1656.3	1657.5	1658.8	1661.2	1658.8
8°	1664.9	1666.1	1667.3	1668.6	1668.6
9°	1682.0	1679.6	1678.4	1683.3	1682.0
10°	1696.8	1693.1	1691.9	1699.2	1700.4
11°	1709.0	1704.1	1702.9	1711.5	1713.9
12°	1717.6	1710.2	1709.0	1720.1	1725.0
13°	1717.6	1707.8	1707.8	1720.1	1727.4
14°	1707.8	1696.8	1696.8	1710.2	1718.8
15°	1684.5	1678.4	1677.1	1688.2	1694.3
17.5°	1586.4	1579.1	1580.3	1592.5	1593.8
20°	1443.0	1439.3	1441.8	1444.2	1449.1
22.5°	1297.1	1294.6	1281.2	1284.8	1287.3
25°	1184.3	1170.8	1150.0	1151.2	1159.8
27.5°	1065.4	1051.9	1022.5	1028.6	1037.2
30°	913.4	902.3	881.5	885.2	896.2
32.5°	717.2	739.3	719.7	725.8	722.1
35°	546.8	543.1	551.7	540.7	545.6
37.5°	385.0	386.2	389.9	380.1	380.1
40°	239.1	245.2	248.9	244.0	242.7
42.5°	100.5	137.3	144.7	137.3	101.8
45°	13.5	40.5	80.9	47.8	15.9
47.5°	6.1	8.6	42.9	8.6	6.1
50°	6.1	6.1	17.2	6.1	6.1
52.5°	6.1	6.1	6.1	6.1	6.1
55°	6.1	6.1	6.1	6.1	6.1
57.5°	6.1	6.1	6.1	6.1	6.1
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.9	4.9	4.9	4.9	4.9
65°	3.7	4.9	4.9	4.9	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



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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)