

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: P1323957

Luminaire Tested: LDSQA3D13R559030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

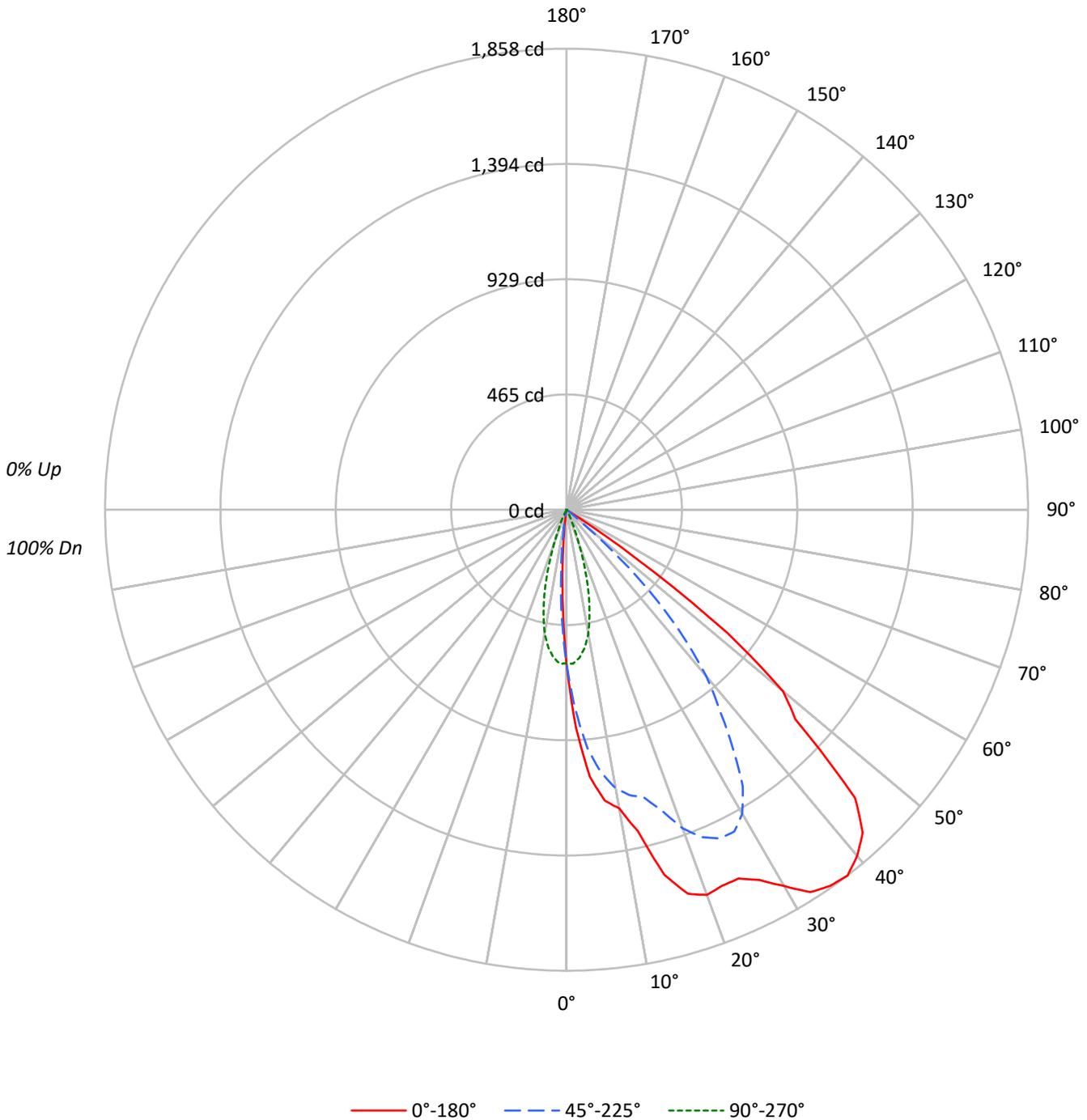
Test Method: LM-79-2019  
Report Number: P1323957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1145.1 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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				
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	106554	106554	106554	106554	106554
5°	186763	166484	103434	42978	24739
10°	213773	199275	88437	4704	1696
15°	271655	213922	60621	963	571
20°	302716	250263	26630	0	0
25°	311606	277667	7563	0	0
30°	348154	281395	1074	0	0
35°	389100	244326	0	0	0
40°	409309	196673	0	0	0
45°	400193	124215	0	0	0
50°	304718	25373	0	0	0
55°	99837	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	2182	1091	0
85°	0	2174	2174	2174	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 400193 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	4.9
10°-20°	165.7	14.5
20°-30°	269.4	23.5
30°-40°	320.2	28.0
40°-50°	261.8	22.9
50°-60°	69.4	6.1
60°-70°	0.4	0.0
70°-80°	0.7	0.1
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°	491.6	42.9
0°-40°	811.8	70.9
0°-60°	1143.1	99.8
0°-90°	1145.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	619	619	619	619	619	
5°	1080	963	598	249	143	106
15°	1524	1200	340	5	3	426
25°	1640	1461	40	0	0	772
35°	1851	1162	0	0	0	1151
45°	1643	510	0	0	0	1179
55°	332	0	0	0	0	374
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7
2.5°	878.0	871.6	872.6	869.4	872.6	858.7	843.6	829.6	818.8	803.8	712.3
5°	1080.3	1069.6	1066.3	1062.0	1057.7	1040.5	1026.5	1009.3	988.9	963.0	795.2
7.5°	1182.5	1173.9	1169.6	1171.8	1162.1	1155.6	1137.3	1118.0	1096.5	1068.5	857.6
10°	1222.4	1213.7	1212.7	1211.6	1210.5	1206.2	1197.6	1180.4	1161.0	1139.5	893.1
12.5°	1326.7	1307.4	1294.4	1279.4	1261.1	1237.4	1218.0	1203.0	1195.5	1178.2	909.2
15°	1523.6	1505.3	1491.4	1472.0	1437.6	1387.0	1340.7	1281.5	1229.9	1199.8	902.8
17.5°	1622.6	1614.0	1602.2	1589.3	1565.6	1529.0	1481.7	1419.3	1353.6	1268.6	871.6
20°	1651.7	1647.4	1638.8	1633.4	1617.2	1591.4	1559.1	1510.7	1449.4	1365.5	823.2
22.5°	1639.8	1643.1	1647.4	1661.4	1663.5	1645.2	1615.1	1568.8	1506.4	1428.9	748.9
25°	1639.8	1637.7	1637.7	1666.7	1685.0	1676.4	1654.9	1612.9	1549.5	1461.2	657.4
27.5°	1681.8	1668.9	1642.0	1672.1	1702.3	1699.0	1679.7	1630.2	1559.1	1462.3	545.5
30°	1750.7	1722.7	1678.6	1706.6	1734.5	1722.7	1691.5	1628.0	1537.6	1415.0	408.9
32.5°	1827.1	1814.2	1791.6	1809.9	1805.6	1758.2	1702.3	1614.0	1493.5	1320.3	275.5
35°	1850.7	1852.9	1837.8	1834.6	1809.9	1761.4	1702.3	1574.2	1401.0	1162.1	163.6
37.5°	1858.3	1859.4	1835.7	1805.6	1769.0	1711.9	1640.9	1492.4	1229.9	1009.3	87.2
40°	1820.6	1819.5	1780.8	1744.2	1703.3	1647.4	1544.1	1320.3	1067.4	874.8	31.2
42.5°	1764.7	1750.7	1714.1	1668.9	1619.4	1549.5	1388.1	1114.8	927.5	700.5	2.2
45°	1643.1	1630.2	1601.1	1552.7	1497.8	1398.8	1143.8	957.7	754.3	510.0	0.0
47.5°	1249.3	1242.8	1272.9	1279.4	1278.3	1165.3	954.4	781.2	554.1	297.0	0.0
50°	1137.3	1128.7	1098.6	1059.9	991.0	896.3	765.0	578.9	325.0	94.7	0.0
52.5°	816.7	844.7	851.1	822.1	757.5	663.9	527.2	333.6	113.0	0.0	0.0
55°	332.5	315.3	328.2	344.3	357.2	328.2	243.2	118.4	1.1	0.0	0.0
57.5°	0.0	1.1	6.5	15.1	24.7	31.2	33.4	2.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	618.7	618.7	618.7	618.7	618.7
2.5°	620.9	525.1	432.6	382.0	357.2
5°	598.3	401.4	248.6	172.2	143.1
7.5°	560.6	275.5	99.0	40.9	29.1
10°	505.7	158.2	26.9	10.8	9.7
12.5°	427.2	72.1	9.7	7.5	7.5
15°	340.0	24.7	5.4	4.3	3.2
17.5°	238.9	6.5	2.2	0.0	0.0
20°	145.3	1.1	0.0	0.0	0.0
22.5°	80.7	0.0	0.0	0.0	0.0
25°	39.8	0.0	0.0	0.0	0.0
27.5°	17.2	0.0	0.0	0.0	0.0
30°	5.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	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°	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	0.0	0.0	0.0
67.5°	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0	0.0
77.5°	2.2	1.1	1.1	0.0	0.0
80°	2.2	1.1	1.1	0.0	0.0
82.5°	2.2	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0	0.0
87.5°	2.2	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)