

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: P1323959

Luminaire Tested: LDSQA3D13R559030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

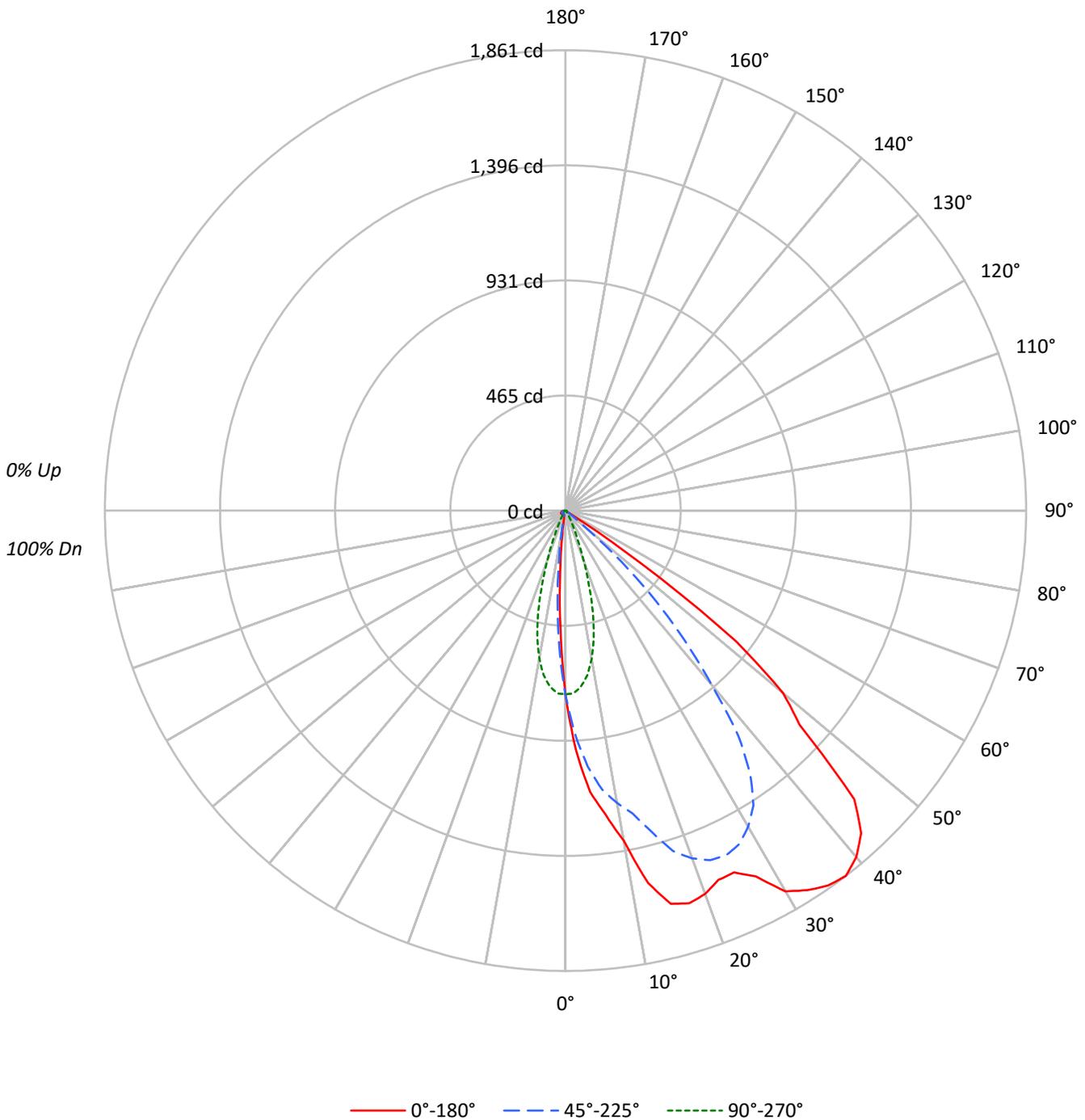
Test Method: LM-79-2019  
Report Number: P1323959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1239.0 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	127893	127893	127893	127893	127893
5°	197222	179554	123540	63447	41681
10°	236962	209855	106344	16001	6401
15°	293407	239668	75991	4422	3459
20°	302185	274180	39258	2951	2951
25°	306570	292052	15753	2660	3059
30°	353364	293426	6841	2784	3202
35°	388974	273571	2943	2943	3616
40°	410860	205913	1686	3395	3867
45°	401849	125823	1583	3678	4725
50°	307397	26820	1742	4314	5466
55°	112778	961	1952	4834	6125
60°	1102	1102	2239	5546	7027
65°	1304	1304	2649	5705	7457
70°	1108	1611	2719	6496	8661
75°	732	1464	2861	7187	10048
80°	1091	2182	3174	7438	10711
85°	0	2174	4347	8497	10671

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 401849 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	5.3
10°-20°	187.2	15.1
20°-30°	287.2	23.2
30°-40°	334.7	27.0
40°-50°	267.4	21.6
50°-60°	79.2	6.4
60°-70°	8.5	0.7
70°-80°	6.6	0.5
80°-90°	2.8	0.2
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°	539.8	43.6
0°-40°	874.5	70.6
0°-60°	1221.0	98.5
0°-90°	1239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	743	743	743	743	743	
5°	1141	1039	715	367	241	114
15°	1646	1344	426	25	19	454
25°	1613	1537	83	14	16	766
35°	1850	1301	14	14	17	1152
45°	1650	517	6	15	19	1190
55°	376	3	6	16	20	398
65°	3	3	6	14	18	3
75°	1	2	4	11	15	2
85°	0	1	2	4	5	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	742.6	742.6	742.6	742.6	742.6	742.6	742.6	742.6	742.6	742.6	742.6
2.5°	968.6	968.6	965.4	966.5	964.3	952.5	950.3	935.3	922.3	908.4	896.5
5°	1140.8	1143.0	1139.8	1133.3	1124.7	1116.1	1097.8	1083.8	1065.5	1038.6	1013.8
7.5°	1238.8	1236.6	1231.2	1229.1	1223.7	1214.0	1201.1	1186.0	1164.5	1137.6	1108.5
10°	1355.0	1336.7	1331.3	1322.7	1305.5	1286.1	1263.5	1243.1	1224.8	1200.0	1168.8
12.5°	1542.3	1539.0	1517.5	1501.4	1477.7	1434.6	1395.9	1350.7	1296.9	1253.8	1212.9
15°	1645.6	1647.7	1638.1	1625.1	1610.1	1574.6	1535.8	1483.1	1419.6	1344.2	1277.5
17.5°	1663.9	1667.1	1661.7	1656.4	1652.0	1631.6	1607.9	1570.3	1512.1	1442.2	1343.2
20°	1648.8	1655.3	1656.4	1662.8	1671.4	1662.8	1643.4	1617.6	1569.2	1496.0	1401.3
22.5°	1615.5	1627.3	1635.9	1658.5	1681.1	1681.1	1669.3	1648.8	1601.5	1529.4	1432.5
25°	1613.3	1615.5	1618.7	1655.3	1690.8	1698.3	1687.6	1666.0	1614.4	1536.9	1431.4
27.5°	1667.1	1653.1	1631.6	1668.2	1710.2	1716.6	1701.6	1672.5	1611.1	1519.7	1394.8
30°	1776.9	1745.7	1700.5	1727.4	1756.4	1748.9	1718.8	1672.5	1589.6	1475.5	1325.9
32.5°	1818.9	1801.6	1785.5	1814.6	1819.9	1788.7	1734.9	1666.0	1555.2	1413.1	1212.9
35°	1850.1	1851.2	1844.7	1850.1	1824.2	1780.1	1720.9	1630.5	1490.6	1301.2	1063.3
37.5°	1860.8	1863.0	1849.0	1829.6	1790.9	1740.3	1669.3	1565.9	1383.0	1147.3	837.3
40°	1827.5	1821.0	1798.4	1771.5	1729.5	1677.9	1600.4	1446.5	1222.6	915.9	653.3
42.5°	1768.3	1757.5	1730.6	1698.3	1654.2	1588.5	1464.8	1278.6	993.4	714.6	457.4
45°	1649.9	1642.4	1609.0	1585.3	1532.6	1447.6	1288.3	1053.7	768.4	516.6	264.8
47.5°	1281.8	1282.9	1308.7	1320.6	1302.3	1234.5	1047.2	800.7	560.7	307.8	89.3
50°	1147.3	1141.9	1116.1	1080.6	1021.4	920.2	768.4	566.1	331.5	100.1	12.9
52.5°	870.7	870.7	857.8	839.5	777.1	679.1	519.8	313.2	116.2	17.2	3.2
55°	375.6	356.2	367.0	387.5	371.3	322.9	243.2	93.6	20.4	3.2	3.2
57.5°	5.4	12.9	19.4	31.2	42.0	50.6	26.9	9.7	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	742.6	742.6	742.6	742.6	742.6	742.6	742.6	742.6
2.5°	879.3	861.0	830.9	739.4	644.7	557.5	495.1	471.4
5°	985.8	952.5	901.9	714.6	526.3	367.0	276.6	241.1
7.5°	1069.8	1026.7	953.6	671.6	386.4	195.9	117.3	92.6
10°	1125.8	1078.4	982.6	608.1	256.1	91.5	44.1	36.6
12.5°	1166.7	1107.5	993.4	526.3	150.7	42.0	23.7	21.5
15°	1196.8	1120.4	980.5	426.2	82.9	24.8	19.4	19.4
17.5°	1238.8	1126.8	949.3	314.3	47.4	18.3	18.3	18.3
20°	1271.1	1126.8	890.1	214.2	29.1	16.1	16.1	16.1
22.5°	1287.2	1109.6	818.0	135.6	20.4	15.1	16.1	16.1
25°	1271.1	1067.6	725.4	82.9	16.1	14.0	15.1	16.1
27.5°	1211.9	983.7	601.6	52.7	12.9	14.0	15.1	16.1
30°	1112.8	862.1	461.7	34.4	11.8	14.0	15.1	16.1
32.5°	972.9	681.3	299.2	22.6	10.8	14.0	15.1	16.1
35°	759.8	482.2	180.8	14.0	10.8	14.0	16.1	17.2
37.5°	569.3	321.8	97.9	8.6	10.8	14.0	16.1	17.2
40°	395.0	187.3	42.0	7.5	10.8	15.1	17.2	17.2
42.5°	229.2	74.3	10.8	6.5	10.8	15.1	17.2	18.3
45°	83.9	15.1	3.2	6.5	11.8	15.1	17.2	19.4
47.5°	11.8	3.2	3.2	6.5	11.8	15.1	18.3	19.4
50°	3.2	3.2	3.2	6.5	11.8	16.1	19.4	20.4
52.5°	3.2	3.2	3.2	6.5	11.8	16.1	19.4	20.4
55°	3.2	3.2	3.2	6.5	11.8	16.1	19.4	20.4
57.5°	3.2	3.2	3.2	6.5	11.8	16.1	19.4	20.4
60°	3.2	3.2	3.2	6.5	10.8	16.1	19.4	20.4
62.5°	3.2	3.2	3.2	6.5	10.8	15.1	18.3	19.4
65°	3.2	3.2	3.2	6.5	9.7	14.0	18.3	18.3
67.5°	3.2	3.2	3.2	5.4	9.7	14.0	17.2	18.3
70°	3.2	3.2	3.2	5.4	8.6	12.9	16.1	17.2
72.5°	3.2	3.2	3.2	4.3	7.5	11.8	15.1	16.1
75°	2.2	3.2	3.2	4.3	7.5	10.8	14.0	15.1
77.5°	2.2	3.2	3.2	3.2	6.5	8.6	11.8	12.9
80°	2.2	2.2	3.2	3.2	5.4	7.5	9.7	10.8
82.5°	2.2	2.2	2.2	3.2	4.3	5.4	7.5	7.5
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	5.4
87.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)