

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: P1309465

Luminaire Tested: LDSQA3D17R609030DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609030DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

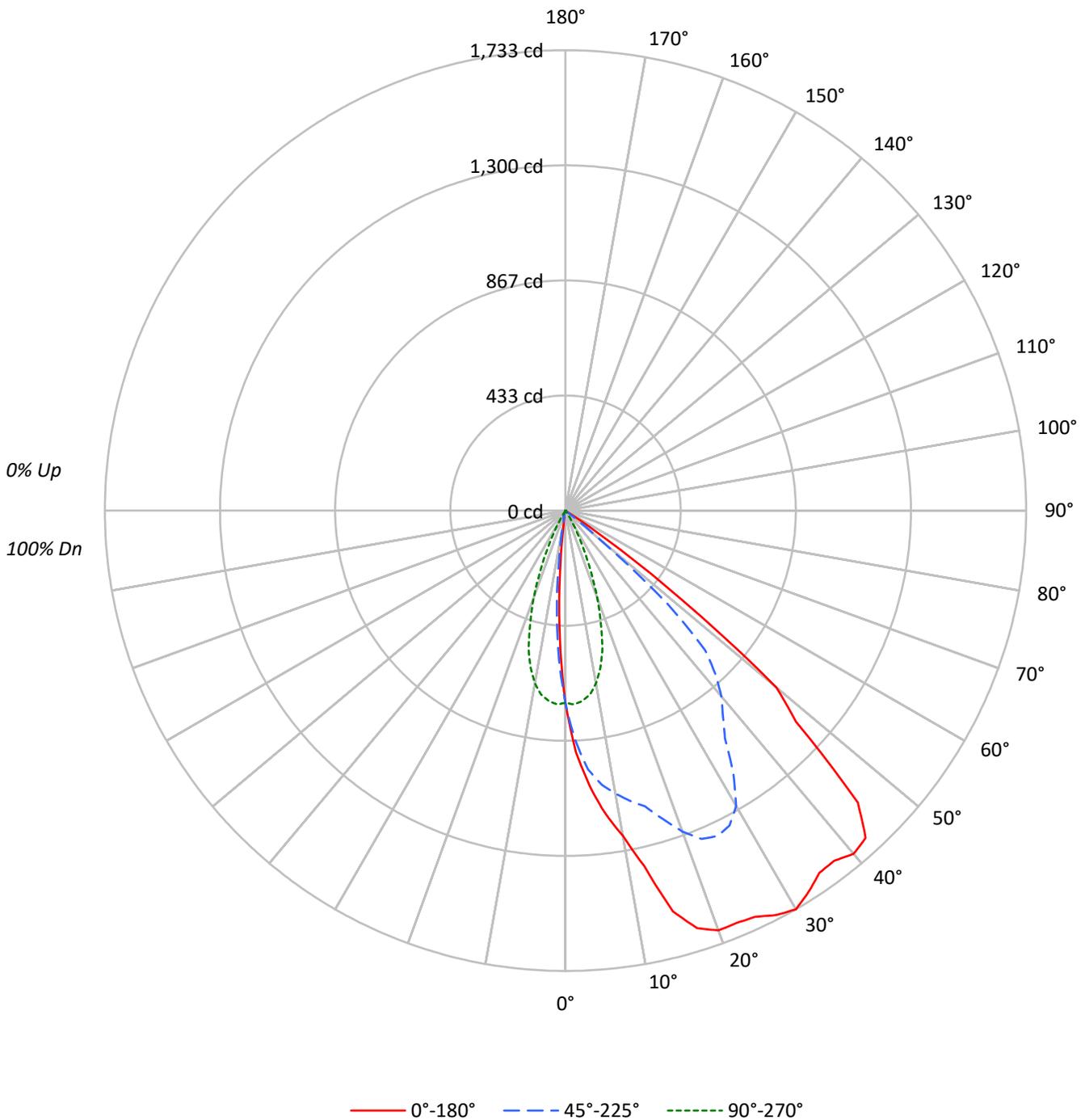
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1176.0 lumens  
Efficiency: N/A  
Efficacy: 55.5 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
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

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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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	74	74	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	60	60	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	124620	124620	124620	124620	124620
5°	179623	169164	124422	64104	41180
10°	217270	189132	115508	7660	4494
15°	278448	205453	95728	5046	4137
20°	308159	235491	64183	2822	477
25°	320499	256878	31563	247	0
30°	344614	255264	8710	0	0
35°	349995	219790	0	0	0
40°	379183	204924	0	0	0
45°	378784	180940	0	0	0
50°	277335	43807	0	0	0
55°	54107	0	0	0	0
60°	0	0	0	0	0
65°	0	530	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 379417 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.1	5.3
10°-20°	177.0	15.0
20°-30°	282.0	24.0
30°-40°	326.0	27.7
40°-50°	258.9	22.0
50°-60°	68.1	5.8
60°-70°	0.5	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°	521.1	44.3
0°-40°	847.0	72.0
0°-60°	1174.0	99.8
0°-90°	1176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1176.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	724	724	724	724	724	
5°	1039	978	720	371	238	105
15°	1562	1152	537	28	23	435
25°	1687	1352	166	1	0	787
35°	1665	1045	0	0	0	1057
45°	1555	743	0	0	0	1107
55°	180	0	0	0	0	272
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°	50°
0°	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6
2.5°	910.2	919.2	915.4	911.5	902.5	898.6	898.6	888.3	871.6	869.0	857.4
5°	1039.0	1041.6	1041.6	1039.0	1032.5	1022.2	1019.7	1009.4	993.9	978.5	963.0
7.5°	1151.0	1149.7	1142.0	1136.8	1125.2	1111.1	1098.2	1084.0	1060.9	1040.3	1018.4
10°	1242.4	1246.3	1239.8	1226.9	1211.5	1192.2	1171.6	1147.1	1112.4	1081.5	1053.1
12.5°	1371.1	1369.9	1353.1	1331.2	1293.9	1257.8	1225.7	1198.6	1156.1	1118.8	1084.0
15°	1561.7	1559.1	1543.7	1524.3	1470.3	1416.2	1360.8	1284.9	1214.1	1152.3	1103.3
17.5°	1647.9	1653.1	1640.2	1629.9	1599.0	1563.0	1514.0	1438.1	1328.7	1216.6	1113.6
20°	1681.4	1687.9	1678.8	1677.6	1663.4	1646.7	1606.7	1524.3	1417.5	1284.9	1157.4
22.5°	1680.1	1685.3	1681.4	1698.2	1714.9	1705.9	1657.0	1574.6	1465.1	1337.7	1193.5
25°	1686.6	1682.7	1668.5	1693.0	1717.5	1709.7	1685.3	1614.5	1494.7	1351.8	1206.3
27.5°	1716.2	1687.9	1659.5	1690.4	1702.0	1704.6	1690.4	1606.7	1489.6	1336.4	1180.6
30°	1732.9	1702.0	1678.8	1704.6	1704.6	1718.8	1689.1	1593.9	1445.8	1283.6	1112.4
32.5°	1702.0	1695.6	1716.2	1741.9	1748.4	1748.4	1682.7	1551.4	1372.4	1175.4	1002.9
35°	1664.7	1680.1	1739.4	1750.9	1750.9	1722.6	1642.8	1476.7	1263.0	1045.4	921.8
37.5°	1660.8	1685.3	1750.9	1736.8	1713.6	1660.8	1544.9	1346.7	1107.2	972.0	861.3
40°	1686.6	1709.7	1748.4	1696.9	1641.5	1559.1	1420.1	1176.7	1013.2	911.5	787.9
42.5°	1671.1	1693.0	1694.3	1618.3	1539.8	1427.8	1243.7	1039.0	945.0	834.3	704.2
45°	1555.2	1557.8	1552.7	1471.6	1390.5	1274.6	1078.9	970.7	870.3	742.9	517.6
47.5°	1175.4	1170.3	1189.6	1166.4	1170.3	1100.8	979.8	890.9	771.2	521.4	157.1
50°	1035.1	1028.7	1009.4	988.8	968.2	934.7	878.0	782.8	556.2	163.5	5.1
52.5°	554.9	585.8	646.3	739.0	773.8	771.2	728.7	579.4	175.1	1.3	0.0
55°	180.2	177.7	198.3	234.3	321.9	370.8	386.2	197.0	3.9	0.0	0.0
57.5°	0.0	0.0	0.0	3.9	12.9	33.5	43.8	2.6	0.0	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
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°	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6
2.5°	842.0	824.0	803.4	730.0	643.7	560.0	499.5	484.1
5°	938.6	907.7	863.9	719.7	531.7	370.8	265.2	238.2
7.5°	988.8	961.7	915.4	699.1	412.0	182.8	68.2	46.3
10°	1019.7	987.5	936.0	660.5	269.1	43.8	24.5	25.7
12.5°	1041.6	1004.2	946.3	605.1	136.5	21.9	30.9	32.2
15°	1050.6	1010.7	945.0	536.9	48.9	28.3	27.0	23.2
17.5°	1045.4	995.2	928.3	439.0	16.7	27.0	14.2	11.6
20°	1039.0	982.3	901.2	350.2	14.2	15.4	5.1	2.6
22.5°	1059.6	960.4	863.9	251.1	14.2	5.1	0.0	0.0
25°	1062.2	951.4	816.2	166.1	6.4	1.3	0.0	0.0
27.5°	1036.4	898.6	742.9	97.8	0.0	0.0	0.0	0.0
30°	954.0	833.0	664.3	43.8	0.0	0.0	0.0	0.0
32.5°	872.9	759.6	576.8	10.3	0.0	0.0	0.0	0.0
35°	808.5	683.6	480.2	0.0	0.0	0.0	0.0	0.0
37.5°	728.7	593.5	357.9	0.0	0.0	0.0	0.0	0.0
40°	645.0	478.9	179.0	0.0	0.0	0.0	0.0	0.0
42.5°	503.4	227.9	18.0	0.0	0.0	0.0	0.0	0.0
45°	193.1	20.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
65°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)