

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: P1323793

Luminaire Tested: LDSQA3D09R459030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

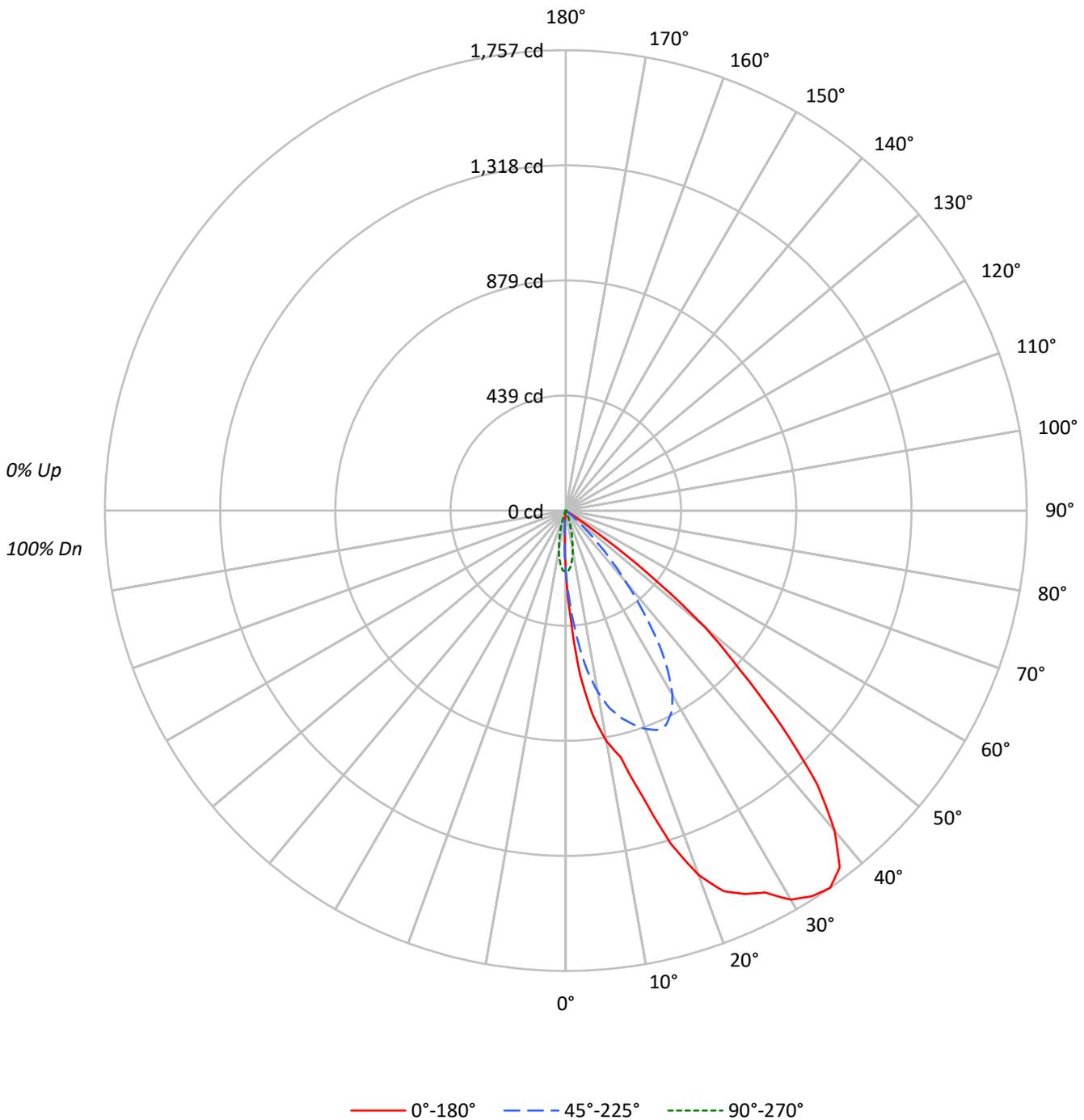
Test Method: LM-79-2019  
Report Number: P1323793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R459030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 745.0 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	39852	39852	39852	39852	39852
5°	108794	83709	36875	7399	2766
10°	156237	122800	26669	700	577
15°	201138	146062	14193	232	0
20°	271101	162510	5388	0	0
25°	306627	171670	1406	0	0
30°	340836	161837	139	0	0
35°	369485	129069	0	0	0
40°	358117	81025	0	0	0
45°	283893	38604	0	0	0
50°	185810	4850	0	0	0
55°	31918	0	0	0	0
60°	0	0	241	0	0
65°	0	285	285	0	0
70°	0	352	655	0	0
75°	0	466	865	0	0
80°	0	694	1289	694	0
85°	0	1383	2569	1383	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 283893 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	3.7
10°-20°	106.1	14.2
20°-30°	198.7	26.7
30°-40°	231.9	31.1
40°-50°	151.2	20.3
50°-60°	28.1	3.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	332.4	44.6
0°-40°	564.3	75.7
0°-60°	743.6	99.8
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	231	231	231	231	231	
5°	629	484	213	43	16	67
15°	1128	819	80	1	0	336
25°	1614	903	7	0	0	746
35°	1757	614	0	0	0	1078
45°	1166	158	0	0	0	886
55°	106	0	0	0	0	185
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°	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4
2.5°	407.9	411.3	404.6	401.9	393.2	395.2	380.5	374.5	365.1	349.7	342.4
5°	629.3	623.2	617.9	606.5	599.8	581.8	561.7	539.0	511.6	484.2	452.7
7.5°	787.1	782.4	780.4	771.0	757.7	738.9	712.9	684.1	648.7	611.9	564.4
10°	893.4	888.7	880.7	871.3	860.6	845.3	819.9	788.4	749.6	702.2	646.7
12.5°	963.0	962.3	948.9	938.2	924.8	911.5	885.4	860.0	821.9	773.0	710.2
15°	1128.1	1117.4	1100.0	1070.0	1032.5	997.7	955.6	915.5	874.0	819.2	749.0
17.5°	1334.1	1322.1	1292.6	1254.5	1194.3	1128.1	1055.9	992.4	930.2	856.0	773.0
20°	1479.2	1474.5	1449.8	1405.6	1341.5	1253.9	1158.9	1069.3	981.7	886.7	784.4
22.5°	1572.2	1569.5	1559.5	1529.4	1463.8	1365.5	1243.2	1122.8	1017.1	906.1	781.1
25°	1613.6	1617.0	1618.3	1603.6	1550.8	1450.5	1305.3	1163.6	1037.2	903.4	755.7
27.5°	1643.0	1643.0	1648.4	1641.7	1588.2	1482.6	1329.4	1177.6	1030.5	870.7	702.2
30°	1713.9	1712.6	1715.9	1697.9	1623.7	1492.6	1318.7	1154.9	992.4	813.8	625.3
32.5°	1744.7	1746.0	1745.4	1716.6	1630.3	1485.9	1292.6	1111.4	922.2	724.9	523.6
35°	1757.4	1751.4	1726.6	1661.1	1552.1	1397.0	1219.1	1037.9	823.9	613.9	413.3
37.5°	1715.3	1697.9	1643.0	1553.4	1420.4	1271.2	1097.4	906.1	693.5	481.5	311.0
40°	1592.9	1570.2	1501.3	1392.9	1271.2	1136.8	953.6	751.6	542.3	360.4	218.0
42.5°	1419.7	1393.6	1319.4	1225.1	1114.1	973.0	790.4	588.5	397.2	248.8	138.4
45°	1165.6	1150.9	1108.1	1028.5	919.5	773.0	605.9	429.3	274.8	158.5	70.9
47.5°	901.4	882.7	851.9	797.1	706.2	567.1	424.0	291.6	176.5	78.2	14.7
50°	693.5	671.4	633.9	573.1	478.1	378.5	274.8	181.9	89.6	18.1	0.7
52.5°	399.2	403.9	385.9	347.1	294.2	226.7	159.2	91.6	20.1	0.7	0.0
55°	106.3	115.0	112.3	121.0	106.3	89.6	66.2	17.4	1.3	0.0	0.0
57.5°	0.0	0.0	0.7	1.3	4.0	6.0	2.0	0.7	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	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4
2.5°	325.7	311.6	294.2	230.0	173.2	124.4	97.0	89.6
5°	422.6	388.5	344.4	213.3	107.0	42.8	19.4	16.0
7.5°	514.2	464.1	384.5	186.6	54.2	10.7	5.3	4.7
10°	585.1	517.6	413.9	152.5	20.1	4.0	3.3	3.3
12.5°	633.9	551.7	424.6	115.7	7.4	2.0	2.0	1.3
15°	662.0	565.1	414.6	79.6	2.7	1.3	0.0	0.0
17.5°	670.7	559.7	387.9	50.2	0.7	0.0	0.0	0.0
20°	663.4	533.6	345.7	29.4	0.0	0.0	0.0	0.0
22.5°	639.3	492.8	294.9	16.0	0.0	0.0	0.0	0.0
25°	594.5	435.3	235.4	7.4	0.0	0.0	0.0	0.0
27.5°	521.6	361.1	177.2	2.7	0.0	0.0	0.0	0.0
30°	438.7	281.5	125.7	0.7	0.0	0.0	0.0	0.0
32.5°	342.4	207.3	80.9	0.0	0.0	0.0	0.0	0.0
35°	257.5	145.1	48.1	0.0	0.0	0.0	0.0	0.0
37.5°	179.2	91.6	25.4	0.0	0.0	0.0	0.0	0.0
40°	111.7	49.5	8.7	0.0	0.0	0.0	0.0	0.0
42.5°	62.2	17.4	0.7	0.0	0.0	0.0	0.0	0.0
45°	14.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	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	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	1.3	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	1.3	1.3	0.7	0.0	0.0	0.0
75°	0.7	0.7	1.3	1.3	0.7	0.0	0.0	0.0
77.5°	0.7	1.3	1.3	1.3	0.7	0.7	0.0	0.0
80°	0.7	1.3	1.3	1.3	1.3	0.7	0.0	0.0
82.5°	0.7	1.3	1.3	1.3	1.3	0.7	0.0	0.0
85°	0.7	1.3	1.3	1.3	0.7	0.7	0.0	0.0
87.5°	0.7	1.3	1.3	1.3	1.3	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)