

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: P1323621

Luminaire Tested: LDSQA3D05R359030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

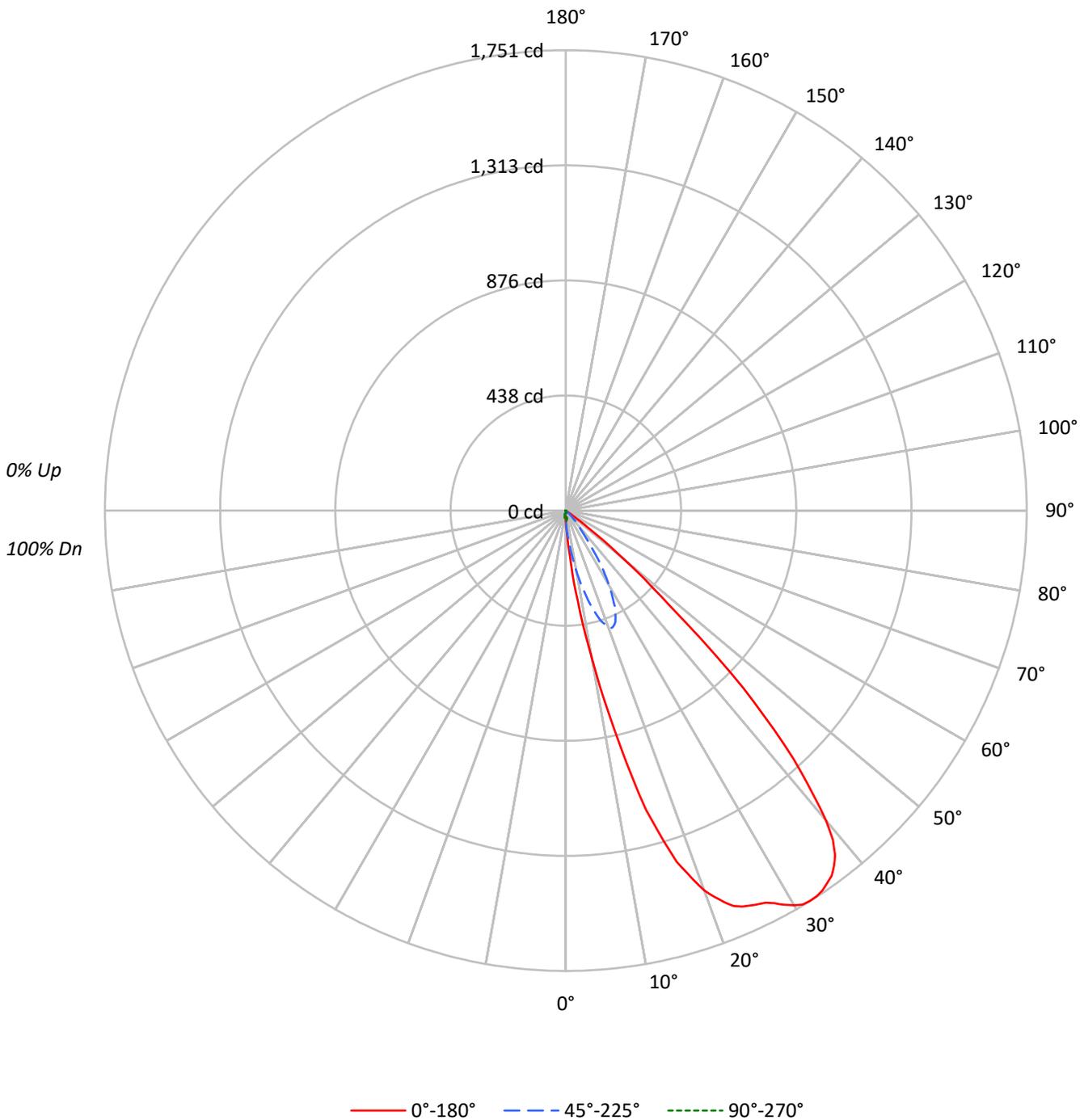
Test Method: LM-79-2019  
Report Number: P1323621  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 523.0 lumens  
Efficiency: N/A  
Efficacy: 47.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	100			100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67			67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45			45	
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40			40	
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37			37	

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

	0°	45°	90°	135°	180°
0°	6786	6786	6786	6786	6786
5°	29493	18291	6293	2247	1556
10°	99297	41272	4704	525	175
15°	210124	67700	2942	0	0
20°	281731	86506	1375	0	0
25°	314874	84961	285	0	0
30°	344694	65089	0	0	0
35°	363787	35447	0	0	0
40°	345819	15917	0	0	0
45°	232112	7039	0	0	0
50°	77539	670	0	0	0
55°	4204	0	0	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 232112 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.5	1.6
10°-20°	72.6	13.9
20°-30°	159.2	30.4
30°-40°	184.2	35.2
40°-50°	90.9	17.4
50°-60°	6.7	1.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	240.3	45.9
0°-40°	424.4	81.1
0°-60°	522.1	99.8
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	171	106	36	13	9	29
15°	1178	380	16	0	0	333
25°	1657	447	2	0	0	766
35°	1730	169	0	0	0	1068
45°	953	29	0	0	0	699
55°	14	0	0	0	0	57
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
2.5°	78.3	80.3	79.3	79.3	78.8	76.3	71.8	70.4	64.9	51.4	39.9
5°	170.6	171.1	169.6	162.2	155.7	149.7	136.7	130.7	105.8	62.9	36.4
7.5°	346.3	338.8	329.3	318.8	295.9	274.9	247.5	218.5	163.7	72.8	32.4
10°	567.8	557.3	549.3	524.4	483.0	440.1	387.7	340.3	236.0	79.8	26.9
12.5°	853.7	847.7	819.3	769.4	708.0	646.1	554.8	479.5	308.8	81.3	22.0
15°	1178.5	1168.5	1125.1	1054.3	970.9	873.6	751.4	624.7	379.7	76.8	16.5
17.5°	1400.5	1395.0	1357.6	1283.3	1187.5	1063.7	919.1	760.9	438.1	67.4	11.5
20°	1537.2	1529.3	1494.3	1431.5	1331.2	1202.0	1030.3	847.7	472.0	55.4	7.5
21°	1572.7	1564.7	1536.7	1471.4	1375.6	1236.9	1060.7	868.7	478.5	49.9	6.0
22°	1606.1	1598.1	1568.7	1510.8	1416.0	1271.3	1084.7	884.6	477.5	45.4	4.5
23°	1634.0	1625.6	1596.6	1543.2	1447.9	1301.7	1102.7	892.6	471.0	40.9	3.5
24°	1648.5	1643.5	1617.6	1567.2	1473.9	1323.2	1115.1	895.6	463.0	36.4	2.5
25°	1657.0	1651.0	1625.6	1579.2	1490.8	1340.2	1123.1	893.1	447.1	32.4	1.5
26°	1666.0	1657.0	1628.0	1583.1	1499.8	1348.1	1123.6	886.6	430.1	28.9	0.5
27°	1673.9	1665.5	1635.5	1586.1	1501.3	1345.6	1119.6	874.1	409.6	25.4	0.5
28°	1691.4	1681.9	1647.5	1592.6	1502.8	1339.2	1107.2	857.2	382.7	22.5	0.0
29°	1714.4	1704.4	1665.0	1608.1	1506.3	1332.2	1090.2	834.7	359.2	20.0	0.0
30°	1733.3	1724.3	1687.9	1627.5	1515.3	1325.7	1070.2	804.3	327.3	17.0	0.0
31°	1747.3	1738.3	1704.9	1644.0	1523.3	1319.7	1045.3	772.9	298.4	15.0	0.0
32°	1750.8	1743.3	1711.9	1651.0	1523.3	1310.7	1022.3	737.4	269.9	12.5	0.0
33°	1749.3	1741.8	1709.9	1646.0	1509.8	1289.3	994.4	695.0	237.5	11.0	0.0
34°	1743.8	1734.8	1700.9	1630.0	1483.4	1252.8	954.0	652.6	203.6	9.0	0.0
35°	1730.3	1722.3	1685.4	1600.1	1442.4	1197.5	900.1	603.7	168.6	7.5	0.0
36°	1717.4	1705.4	1660.0	1563.2	1388.6	1140.6	835.7	547.3	138.7	6.0	0.0
37°	1693.4	1676.4	1630.5	1509.8	1312.2	1060.3	762.4	485.5	116.3	4.5	0.0
38°	1661.5	1638.5	1580.1	1447.9	1235.4	984.9	693.5	429.6	97.8	3.0	0.0
39°	1612.1	1585.1	1505.8	1363.1	1146.6	897.6	614.7	370.2	83.3	2.0	0.0
40°	1538.2	1512.8	1425.0	1262.3	1058.3	801.3	533.9	303.4	70.8	1.0	0.0
42.5°	1280.8	1245.9	1144.1	982.4	782.3	576.3	353.3	168.6	46.9	0.0	0.0
45°	953.0	922.0	822.3	675.1	521.4	352.8	189.1	99.3	28.9	0.0	0.0
47.5°	538.4	534.9	470.0	387.7	290.9	187.6	95.8	59.9	12.5	0.0	0.0
50°	289.4	271.4	234.0	177.6	121.2	81.8	51.9	32.9	2.5	0.0	0.0
52.5°	105.8	102.3	85.8	71.3	54.9	37.4	26.4	14.5	0.0	0.0	0.0
55°	14.0	13.0	13.5	14.5	15.0	13.0	8.5	3.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.0	1.0	1.0	0.0	0.0	0.0	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
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):**

	112.5°	135°	157.5°	180°
0°	39.4	39.4	39.4	39.4
2.5°	30.4	23.5	20.0	19.5
5°	21.0	13.0	9.5	9.0
7.5°	14.5	6.5	4.5	4.0
10°	8.5	3.0	1.5	1.0
12.5°	5.0	0.5	0.0	0.0
15°	1.5	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)