

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: P1324125

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

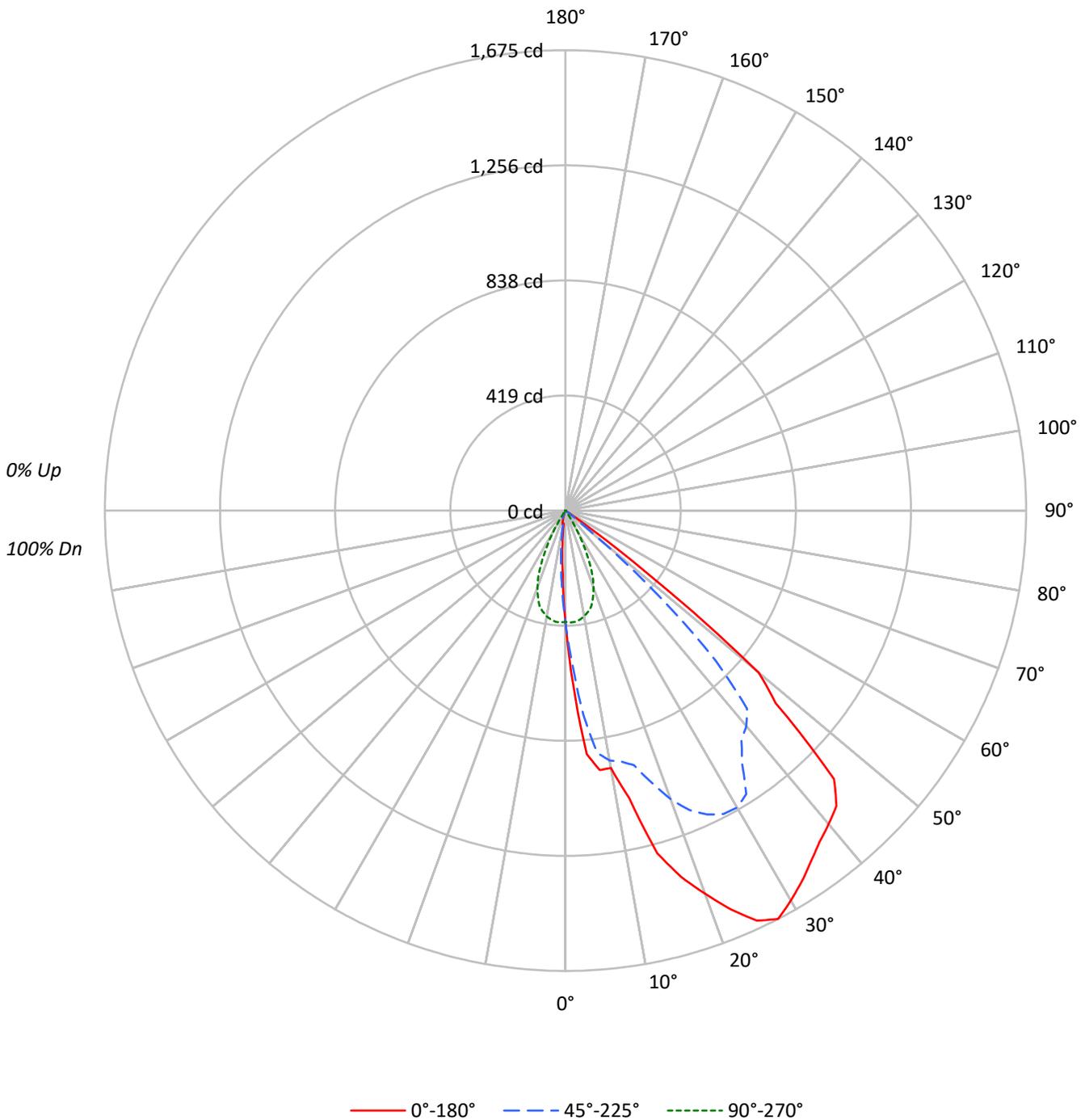
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1089.9 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	69664	69664	69664	69664	69664
5°	153708	128969	70207	31914	21005
10°	166240	161396	68325	8884	9146
15°	230094	170863	64455	9058	6579
20°	271761	204664	54689	5352	1979
25°	312746	231795	38575	874	0
30°	325762	248085	17739	0	0
35°	327267	235096	967	0	0
40°	334736	229969	0	0	0
45°	336429	188442	0	0	0
50°	245612	39145	0	0	0
55°	13842	0	0	0	0
60°	0	517	517	0	0
65°	0	0	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	1488	1488	0
85°	0	2964	2964	2964	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 342786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	4.1
10°-20°	147.8	13.6
20°-30°	265.6	24.4
30°-40°	322.9	29.6
40°-50°	249.4	22.9
50°-60°	58.0	5.3
60°-70°	0.4	0.0
70°-80°	0.8	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°	457.7	42.0
0°-40°	780.6	71.6
0°-60°	1088.0	99.8
0°-90°	1089.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1089.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	404	404	404	404	404	
5°	889	746	406	185	122	84
15°	1290	958	362	51	37	361
25°	1646	1220	203	5	0	749
35°	1557	1118	5	0	0	978
45°	1381	774	0	0	0	976
55°	46	0	0	0	0	190
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	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°	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5
2.5°	630.6	630.6	633.7	632.2	618.3	612.2	592.2	581.4	578.3	553.7	544.5
5°	889.1	890.6	882.9	881.4	866.0	855.2	838.3	812.2	786.0	746.0	710.6
7.5°	952.1	950.6	949.0	949.0	946.0	939.8	932.1	924.4	913.7	889.1	861.4
10°	950.6	950.6	949.0	949.0	947.5	949.0	947.5	942.9	938.3	922.9	907.5
12.5°	1070.6	1061.3	1049.0	1030.6	999.8	976.7	950.6	942.9	939.8	935.2	926.0
15°	1290.5	1282.8	1256.7	1224.4	1193.6	1141.3	1099.8	1042.9	998.3	958.3	938.3
17.5°	1396.7	1401.3	1372.0	1352.0	1322.8	1281.3	1232.1	1173.6	1110.6	1035.2	975.2
20°	1482.8	1487.4	1462.8	1442.8	1409.0	1365.9	1322.8	1259.8	1199.8	1116.7	1038.3
22.5°	1570.5	1573.5	1550.5	1521.2	1482.8	1438.2	1382.8	1318.2	1253.6	1179.8	1096.7
25°	1645.8	1642.8	1604.3	1562.8	1525.9	1478.2	1424.3	1361.3	1299.7	1219.8	1141.3
27.5°	1675.1	1673.5	1630.5	1590.5	1547.4	1482.8	1435.1	1379.7	1315.1	1244.4	1164.4
30°	1638.1	1662.8	1635.1	1605.8	1553.5	1488.9	1442.8	1376.7	1316.7	1247.5	1156.7
32.5°	1599.7	1630.5	1621.2	1607.4	1545.9	1495.1	1435.1	1373.6	1302.8	1222.8	1084.4
35°	1556.6	1588.9	1590.5	1575.1	1519.7	1468.9	1413.6	1349.0	1269.0	1118.2	1016.7
37.5°	1518.2	1548.9	1558.2	1525.9	1482.8	1415.1	1364.4	1296.7	1152.1	1050.6	998.3
40°	1488.9	1512.0	1525.9	1475.1	1432.0	1365.9	1307.4	1189.0	1058.3	1022.9	949.0
42.5°	1458.2	1479.7	1485.9	1430.5	1364.4	1301.3	1216.7	1067.5	1029.0	976.7	778.3
45°	1381.3	1407.4	1392.0	1338.2	1289.0	1222.8	1096.7	1032.1	990.6	773.7	478.4
47.5°	1036.7	1065.9	1107.5	1122.9	1139.8	1092.1	1022.9	999.8	813.7	469.1	149.2
50°	916.7	912.1	912.1	919.8	933.7	949.0	969.0	842.9	489.1	146.1	0.0
52.5°	373.8	392.2	483.0	564.5	658.3	752.2	781.4	516.8	190.7	3.1	0.0
55°	46.1	46.1	64.6	110.7	183.0	295.3	332.2	166.1	13.8	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	12.3	33.8	23.1	6.2	1.5	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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°	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5
2.5°	529.1	510.7	484.5	407.6	341.5	283.0	249.2	232.3
5°	676.8	632.2	572.2	406.1	276.9	184.6	138.4	121.5
7.5°	818.3	767.5	666.0	399.9	212.3	107.7	60.0	47.7
10°	879.8	842.9	752.2	390.7	153.8	50.8	50.8	52.3
12.5°	904.4	876.8	802.9	376.9	101.5	49.2	52.3	49.2
15°	921.4	895.2	827.5	361.5	58.5	50.8	41.5	36.9
17.5°	930.6	899.8	835.2	332.2	38.5	43.1	26.1	21.5
20°	959.8	910.6	841.4	298.4	36.9	29.2	13.8	10.8
22.5°	1009.0	932.1	842.9	256.9	29.2	16.9	4.6	0.0
25°	1053.6	961.4	847.5	203.0	9.2	4.6	0.0	0.0
27.5°	1075.2	970.6	846.0	143.0	0.0	0.0	0.0	0.0
30°	1049.0	947.5	832.1	89.2	0.0	0.0	0.0	0.0
32.5°	987.5	930.6	789.1	38.5	0.0	0.0	0.0	0.0
35°	967.5	893.7	690.6	4.6	0.0	0.0	0.0	0.0
37.5°	922.9	787.5	507.6	0.0	0.0	0.0	0.0	0.0
40°	793.7	569.1	241.5	0.0	0.0	0.0	0.0	0.0
42.5°	524.5	243.0	13.8	0.0	0.0	0.0	0.0	0.0
45°	184.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.1	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°	1.5	1.5	1.5	1.5	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
65°	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
70°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)