

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: P1309478

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309478
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: LDSQA3D17R709030DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

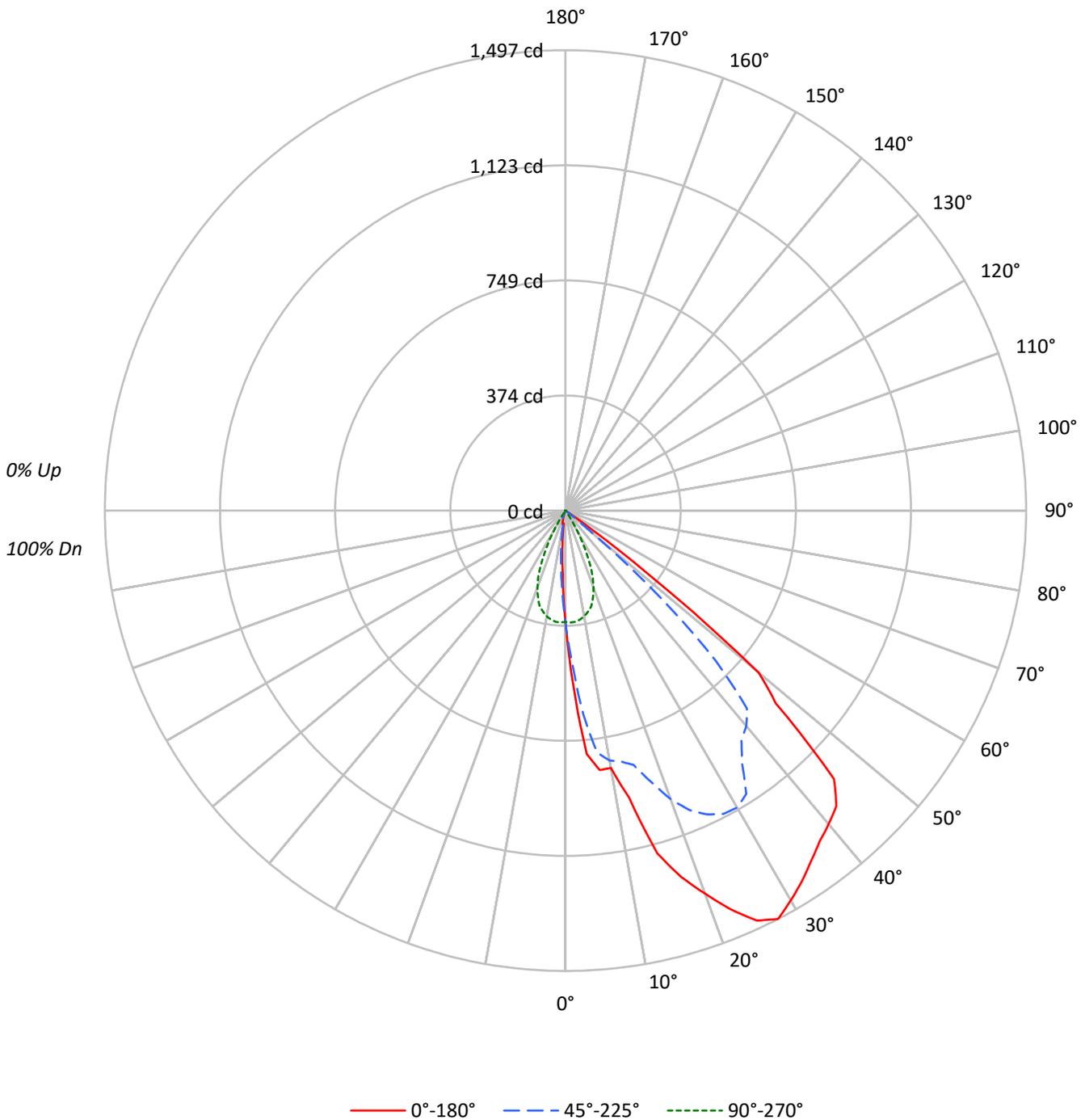
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 974.0 lumens
Efficiency: N/A
Efficacy: 45.9 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1309478
CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCA30R 1MB

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°	62258	62258	62258	62258	62258
5°	137336	115242	62738	28508	18775
10°	148543	144223	61050	7940	8167
15°	205613	152677	57590	8095	5884
20°	242840	182891	48861	4783	1759
25°	279472	207129	34471	779	0
30°	291099	221675	15850	0	0
35°	292451	210077	862	0	0
40°	299124	205486	0	0	0
45°	300626	168397	0	0	0
50°	219489	34992	0	0	0
55°	12371	0	0	0	0
60°	0	482	482	0	0
65°	0	0	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	1389	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 306301 cd/sqm



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CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	4.1
10°-20°	132.1	13.6
20°-30°	237.4	24.4
30°-40°	288.6	29.6
40°-50°	222.8	22.9
50°-60°	51.8	5.3
60°-70°	0.3	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°	409.0	42.0
0°-40°	697.5	71.6
0°-60°	972.2	99.8
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	362	362	362	362	362	
5°	794	667	363	165	109	75
15°	1153	856	323	45	33	322
25°	1471	1090	181	4	0	669
35°	1391	999	4	0	0	874
45°	1234	691	0	0	0	872
55°	41	0	0	0	0	169
65°	0	0	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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 CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5
2.5°	563.5	563.5	566.3	564.9	552.5	547.0	529.2	519.5	516.8	494.8	486.6
5°	794.4	795.8	788.9	787.6	773.8	764.2	749.1	725.7	702.4	666.6	635.0
7.5°	850.8	849.4	848.0	848.0	845.3	839.8	832.9	826.1	816.4	794.4	769.7
10°	849.4	849.4	848.0	848.0	846.7	848.0	846.7	842.5	838.4	824.7	810.9
12.5°	956.6	948.4	937.4	920.9	893.4	872.8	849.4	842.5	839.8	835.7	827.4
15°	1153.2	1146.3	1122.9	1094.1	1066.6	1019.9	982.7	931.9	892.0	856.3	838.4
17.5°	1248.0	1252.1	1226.0	1208.2	1182.0	1144.9	1101.0	1048.7	992.4	925.0	871.4
20°	1325.0	1329.1	1307.1	1289.3	1259.0	1220.5	1182.0	1125.7	1072.1	997.9	927.8
22.5°	1403.3	1406.1	1385.5	1359.4	1325.0	1285.1	1235.6	1177.9	1120.2	1054.2	980.0
25°	1470.7	1467.9	1433.6	1396.5	1363.5	1320.9	1272.8	1216.4	1161.4	1090.0	1019.9
27.5°	1496.8	1495.4	1456.9	1421.2	1382.7	1325.0	1282.4	1232.9	1175.2	1111.9	1040.5
30°	1463.8	1485.8	1461.1	1434.9	1388.2	1330.5	1289.3	1230.2	1176.5	1114.7	1033.6
32.5°	1429.4	1456.9	1448.7	1436.3	1381.3	1336.0	1282.4	1227.4	1164.2	1092.7	969.0
35°	1391.0	1419.8	1421.2	1407.5	1358.0	1312.6	1263.1	1205.4	1133.9	999.2	908.5
37.5°	1356.6	1384.1	1392.3	1363.5	1325.0	1264.5	1219.2	1158.7	1029.5	938.8	892.0
40°	1330.5	1351.1	1363.5	1318.1	1279.6	1220.5	1168.3	1062.5	945.6	914.0	848.0
42.5°	1303.0	1322.2	1327.7	1278.3	1219.2	1162.8	1087.2	953.9	919.5	872.8	695.5
45°	1234.3	1257.6	1243.9	1195.8	1151.8	1092.7	980.0	922.3	885.2	691.4	427.5
47.5°	926.4	952.5	989.6	1003.4	1018.5	975.9	914.0	893.4	727.1	419.2	133.3
50°	819.2	815.1	815.1	821.9	834.3	848.0	865.9	753.2	437.1	130.6	0.0
52.5°	334.0	350.5	431.6	504.4	588.3	672.1	698.2	461.8	170.4	2.7	0.0
55°	41.2	41.2	57.7	99.0	163.6	263.9	296.9	148.4	12.4	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	11.0	30.2	20.6	5.5	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309478

CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5
2.5°	472.8	456.3	433.0	364.2	305.1	252.9	222.7	207.5
5°	604.8	564.9	511.3	362.9	247.4	164.9	123.7	108.6
7.5°	731.2	685.9	595.1	357.4	189.7	96.2	53.6	42.6
10°	786.2	753.2	672.1	349.1	137.4	45.4	45.4	46.7
12.5°	808.2	783.4	717.5	336.7	90.7	44.0	46.7	44.0
15°	823.3	799.9	739.5	323.0	52.2	45.4	37.1	33.0
17.5°	831.6	804.1	746.3	296.9	34.4	38.5	23.4	19.2
20°	857.7	813.7	751.8	266.6	33.0	26.1	12.4	9.6
22.5°	901.7	832.9	753.2	229.5	26.1	15.1	4.1	0.0
25°	941.5	859.0	757.3	181.4	8.2	4.1	0.0	0.0
27.5°	960.8	867.3	756.0	127.8	0.0	0.0	0.0	0.0
30°	937.4	846.7	743.6	79.7	0.0	0.0	0.0	0.0
32.5°	882.4	831.6	705.1	34.4	0.0	0.0	0.0	0.0
35°	864.5	798.6	617.1	4.1	0.0	0.0	0.0	0.0
37.5°	824.7	703.7	453.6	0.0	0.0	0.0	0.0	0.0
40°	709.2	508.6	215.8	0.0	0.0	0.0	0.0	0.0
42.5°	468.7	217.2	12.4	0.0	0.0	0.0	0.0	0.0
45°	164.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.7	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	0.0	0.0	0.0	0.0	0.0
60°	1.4	1.4	1.4	1.4	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	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
70°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	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)