

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: P1313885

Luminaire Tested: LDSQA3D17R609727DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313885
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: LDSQA3D17R609727DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

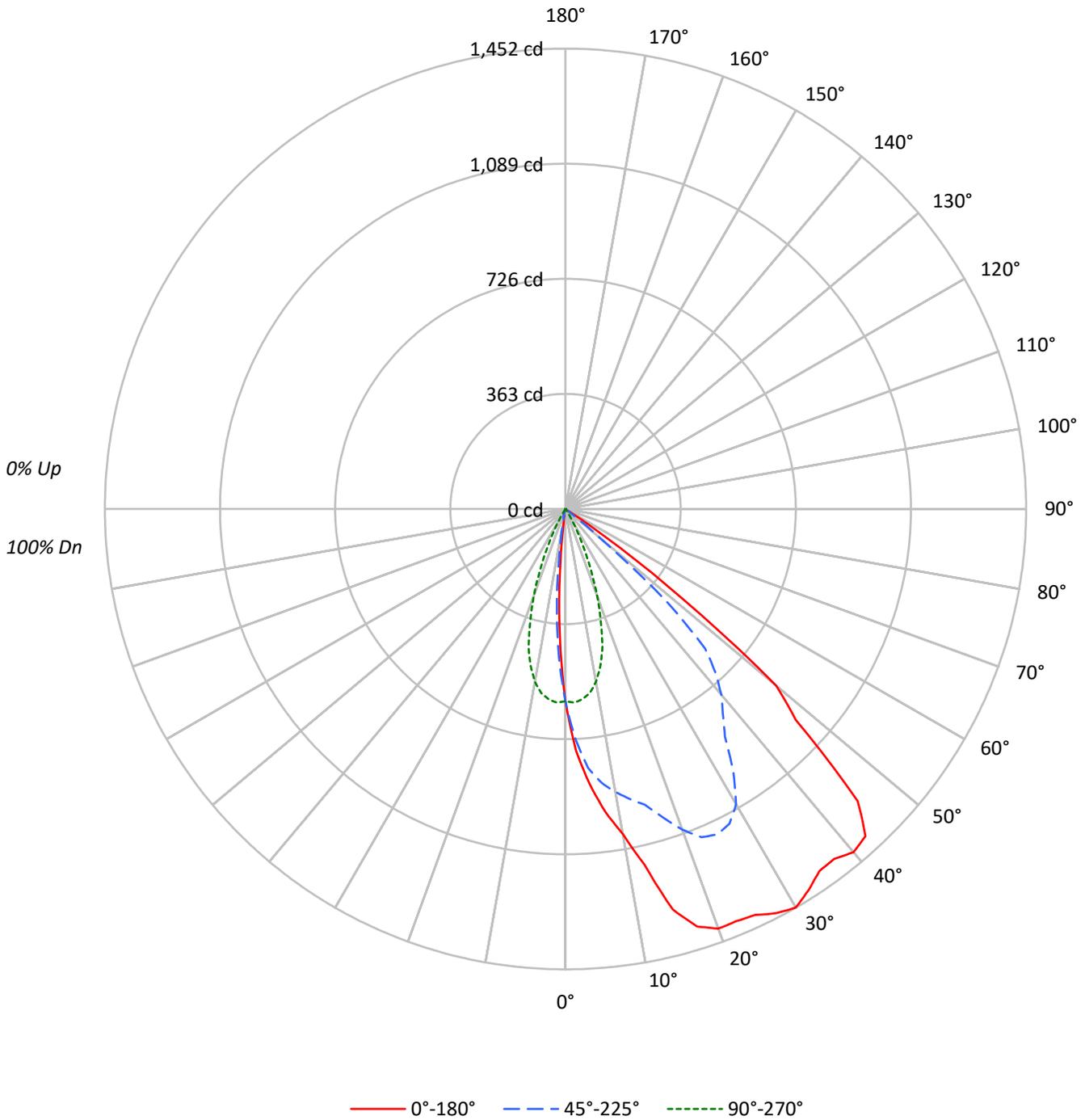
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 46.5 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_{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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	104367	104367	104367	104367	104367
5°	150441	141676	104212	53697	34490
10°	181980	158406	96743	6418	3777
15°	233214	172075	80181	4226	3459
20°	258107	197241	53755	2364	403
25°	268432	215167	26433	209	0
30°	288653	213800	7298	0	0
35°	293145	184091	0	0	0
40°	317582	171651	0	0	0
45°	317285	151543	0	0	0
50°	232296	36707	0	0	0
55°	45339	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	1091	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 317797 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	5.3
10°-20°	148.2	15.0
20°-30°	236.2	24.0
30°-40°	273.0	27.7
40°-50°	216.8	22.0
50°-60°	57.1	5.8
60°-70°	0.4	0.0
70°-80°	0.6	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°	436.5	44.3
0°-40°	709.5	72.0
0°-60°	983.4	99.8
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	606	606	606	606	606	
5°	870	820	603	311	200	88
15°	1308	965	450	24	19	365
25°	1413	1132	139	1	0	659
35°	1394	876	0	0	0	886
45°	1303	622	0	0	0	928
55°	151	0	0	0	0	228
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	762.4	769.9	766.7	763.5	755.9	752.7	752.7	744.1	730.0	727.9	718.2
5°	870.2	872.4	872.4	870.2	864.8	856.2	854.1	845.4	832.5	819.5	806.6
7.5°	964.0	963.0	956.5	952.2	942.5	930.6	919.8	908.0	888.6	871.3	853.0
10°	1040.6	1043.8	1038.5	1027.7	1014.7	998.6	981.3	960.8	931.7	905.8	882.1
12.5°	1148.4	1147.4	1133.3	1115.0	1083.7	1053.6	1026.6	1003.9	968.4	937.1	908.0
15°	1308.0	1305.9	1292.9	1276.8	1231.5	1186.2	1139.8	1076.2	1016.9	965.1	924.1
17.5°	1380.3	1384.6	1373.8	1365.2	1339.3	1309.1	1268.1	1204.5	1112.9	1019.0	932.8
20°	1408.3	1413.7	1406.2	1405.1	1393.2	1379.2	1345.8	1276.8	1187.3	1076.2	969.4
22.5°	1407.3	1411.6	1408.3	1422.3	1436.4	1428.8	1387.8	1318.8	1227.2	1120.4	999.6
25°	1412.6	1409.4	1397.5	1418.0	1438.5	1432.1	1411.6	1352.3	1252.0	1132.3	1010.4
27.5°	1437.4	1413.7	1390.0	1415.9	1425.6	1427.7	1415.9	1345.8	1247.7	1119.3	988.9
30°	1451.5	1425.6	1406.2	1427.7	1427.7	1439.6	1414.8	1335.0	1211.0	1075.1	931.7
32.5°	1425.6	1420.2	1437.4	1459.0	1464.4	1464.4	1409.4	1299.4	1149.5	984.5	840.0
35°	1394.3	1407.3	1456.9	1466.6	1466.6	1442.8	1376.0	1236.9	1057.9	875.6	772.1
37.5°	1391.1	1411.6	1466.6	1454.7	1435.3	1391.1	1294.0	1128.0	927.4	814.2	721.4
40°	1412.6	1432.1	1464.4	1421.3	1374.9	1305.9	1189.4	985.6	848.7	763.5	660.0
42.5°	1399.7	1418.0	1419.1	1355.5	1289.7	1195.9	1041.7	870.2	791.5	698.8	589.9
45°	1302.7	1304.8	1300.5	1232.6	1164.6	1067.6	903.7	813.1	729.0	622.2	433.5
47.5°	984.5	980.2	996.4	977.0	980.2	922.0	820.6	746.2	645.9	436.7	131.6
50°	867.0	861.6	845.4	828.2	810.9	782.9	735.4	655.6	465.8	137.0	4.3
52.5°	464.8	490.7	541.3	619.0	648.1	645.9	610.3	485.3	146.7	1.1	0.0
55°	151.0	148.8	166.1	196.3	269.6	310.6	323.5	165.0	3.2	0.0	0.0
57.5°	0.0	0.0	0.0	3.2	10.8	28.0	36.7	2.2	0.0	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	705.2	690.1	672.9	611.4	539.2	469.1	418.4	405.5
5°	786.1	760.2	723.6	602.8	445.4	310.6	222.1	199.5
7.5°	828.2	805.5	766.7	585.5	345.1	153.1	57.2	38.8
10°	854.1	827.1	784.0	553.2	225.4	36.7	20.5	21.6
12.5°	872.4	841.1	792.6	506.8	114.3	18.3	25.9	27.0
15°	879.9	846.5	791.5	449.7	41.0	23.7	22.6	19.4
17.5°	875.6	833.6	777.5	367.7	14.0	22.6	11.9	9.7
20°	870.2	822.8	754.8	293.3	11.9	12.9	4.3	2.2
22.5°	887.5	804.5	723.6	210.3	11.9	4.3	0.0	0.0
25°	889.6	796.9	683.7	139.1	5.4	1.1	0.0	0.0
27.5°	868.1	752.7	622.2	82.0	0.0	0.0	0.0	0.0
30°	799.1	697.7	556.4	36.7	0.0	0.0	0.0	0.0
32.5°	731.1	636.2	483.1	8.6	0.0	0.0	0.0	0.0
35°	677.2	572.6	402.2	0.0	0.0	0.0	0.0	0.0
37.5°	610.3	497.1	299.8	0.0	0.0	0.0	0.0	0.0
40°	540.3	401.1	149.9	0.0	0.0	0.0	0.0	0.0
42.5°	421.6	190.9	15.1	0.0	0.0	0.0	0.0	0.0
45°	161.8	17.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.6	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°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)