

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: P1319442

Luminaire Tested: LDSQA3D17R609835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

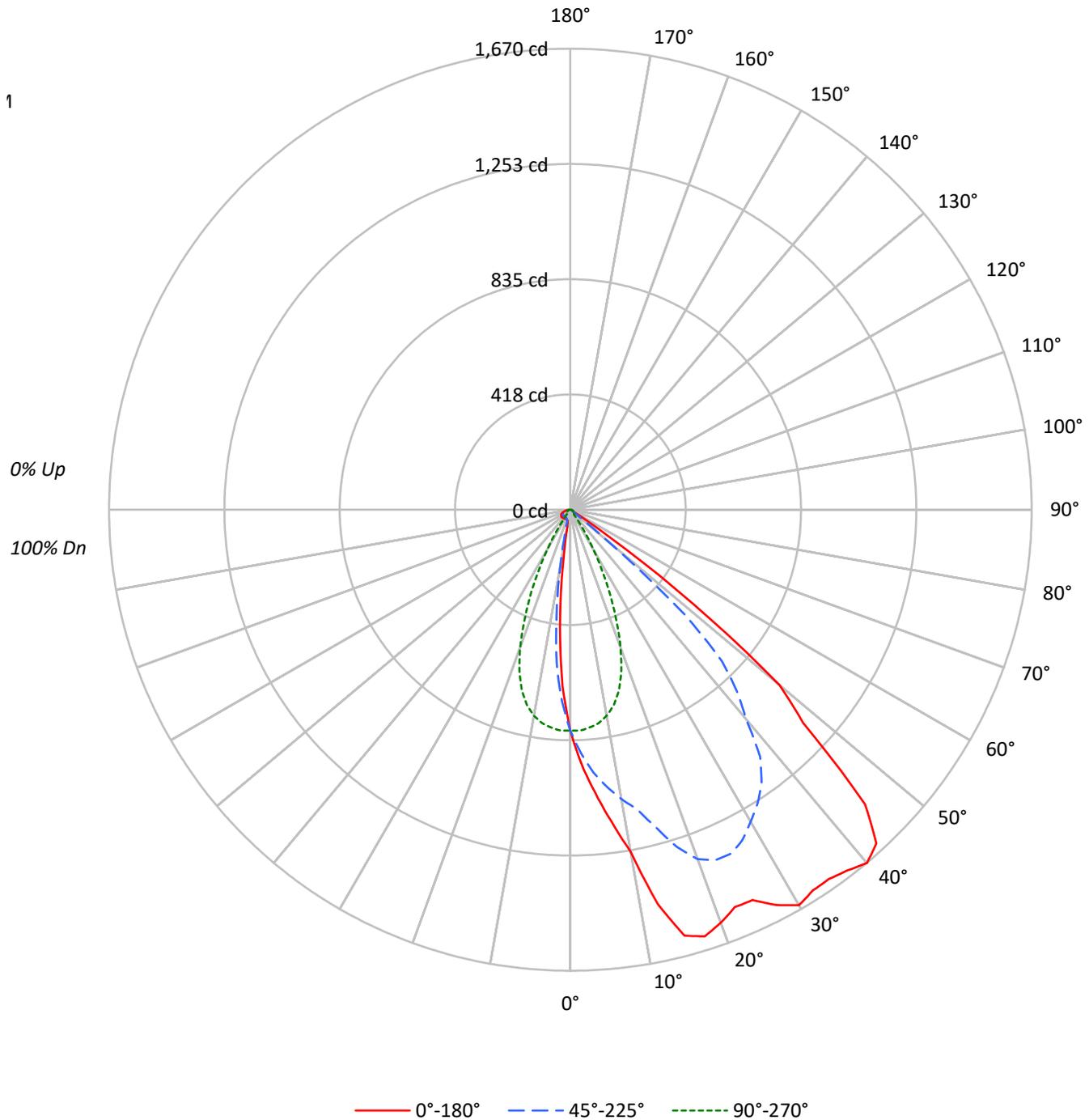
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1299.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1319442
CATALOG NUMBER: LDSQA3D17R609835DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319442

CATALOG NUMBER: LDSQA3D17R609835DE010 3LSQCA30R 1MW

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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	137709	137709	137709	137709	137709
5°	177894	165170	136973	97539	74425
10°	219841	186159	132541	36882	10930
15°	284706	211889	120922	8095	7221
20°	291756	246799	97319	6745	6964
25°	296442	261249	65255	6518	6993
30°	329003	259500	33648	6582	7318
35°	343204	253724	9293	6959	7989
40°	375540	222505	4406	7442	8813
45°	367410	189075	4481	8062	9864
50°	264850	46674	4930	8869	10851
55°	50804	2943	5164	9578	12161
60°	2549	2962	5063	10127	13089
65°	2486	3016	5012	10514	13978
70°	2467	3072	4935	10474	14200
75°	2462	3261	4924	10580	14706
80°	1190	3670	4860	10910	14579
85°	2371	2371	4940	9683	14623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 367410 cd/sqm



TEST NUMBER: P1319442

CATALOG NUMBER: LDSQA3D17R609835DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	5.4
10°-20°	192.0	14.8
20°-30°	295.5	22.7
30°-40°	346.7	26.7
40°-50°	278.0	21.4
50°-60°	86.3	6.6
60°-70°	16.3	1.3
70°-80°	10.9	0.8
80°-90°	3.8	0.3
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°	557.0	42.9
0°-40°	903.7	69.6
0°-60°	1268.1	97.6
0°-90°	1299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	800	800	800	800	800	
5°	1029	955	792	564	430	105
15°	1597	1188	678	45	40	437
25°	1560	1375	343	34	37	736
35°	1632	1207	44	33	38	1033
45°	1508	776	18	33	40	1079
55°	169	10	17	32	40	268
65°	6	7	12	26	34	6
75°	4	5	7	16	22	3
85°	1	1	2	5	7	1
90°	0	0	0	0	0	



TEST NUMBER: P1319442

CATALOG NUMBER: LDSQA3D17R609835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6
2.5°	922.3	912.5	912.5	908.8	905.1	906.3	896.5	900.2	890.4	883.0	876.9
5°	1029.0	1016.7	1015.5	1009.3	1003.2	998.3	986.0	978.7	964.0	955.4	937.0
7.5°	1139.3	1129.5	1123.4	1116.0	1105.0	1092.7	1071.9	1058.4	1035.1	1011.8	988.5
10°	1257.1	1248.5	1235.0	1226.4	1195.8	1176.1	1147.9	1129.5	1095.2	1064.5	1029.0
12.5°	1463.1	1458.2	1432.5	1415.3	1371.1	1331.9	1270.6	1221.5	1160.2	1109.9	1062.1
15°	1596.8	1590.7	1577.2	1561.2	1533.0	1488.9	1433.7	1365.0	1279.2	1188.4	1107.5
17.5°	1620.1	1621.3	1612.7	1609.1	1590.7	1562.5	1518.3	1466.8	1380.9	1280.4	1170.0
20°	1591.9	1601.7	1599.2	1606.6	1610.3	1599.2	1569.8	1519.5	1444.7	1346.6	1222.7
22.5°	1557.6	1566.1	1563.7	1577.2	1598.0	1609.1	1599.2	1558.8	1482.7	1373.6	1252.2
25°	1560.0	1566.1	1547.7	1556.3	1583.3	1610.3	1611.5	1575.9	1493.8	1374.8	1249.7
27.5°	1614.0	1595.6	1553.9	1550.2	1583.3	1617.6	1620.1	1575.9	1477.8	1349.1	1225.2
30°	1654.4	1640.9	1594.3	1588.2	1620.1	1643.4	1631.1	1562.5	1439.8	1304.9	1189.6
32.5°	1634.8	1637.3	1617.6	1637.3	1679.0	1688.8	1637.3	1530.6	1387.1	1262.0	1147.9
35°	1632.4	1642.2	1653.2	1683.9	1712.1	1688.8	1606.6	1470.5	1330.7	1206.8	1082.9
37.5°	1647.1	1663.0	1679.0	1705.9	1705.9	1645.9	1525.7	1394.4	1263.2	1128.3	948.0
40°	1670.4	1680.2	1685.1	1682.6	1649.5	1561.2	1433.7	1302.5	1177.4	989.7	858.5
42.5°	1639.7	1638.5	1633.6	1612.7	1551.4	1436.1	1317.2	1210.5	1013.0	892.8	743.2
45°	1508.5	1508.5	1495.0	1461.9	1405.5	1309.8	1204.3	1048.6	923.5	776.3	551.9
47.5°	1141.8	1133.2	1147.9	1167.5	1167.5	1159.0	1063.3	928.4	800.9	560.5	176.6
50°	988.5	975.0	956.6	960.3	957.8	967.6	906.3	804.5	592.4	174.2	12.3
52.5°	559.2	583.8	643.9	728.5	766.5	780.0	742.0	612.0	199.9	11.0	9.8
55°	169.2	174.2	197.5	242.8	329.9	421.9	428.0	198.7	13.5	9.8	9.8
57.5°	7.4	7.4	9.8	14.7	34.3	51.5	55.2	12.3	8.6	9.8	9.8
60°	7.4	7.4	7.4	7.4	7.4	7.4	8.6	8.6	8.6	8.6	9.8
62.5°	6.1	6.1	7.4	7.4	7.4	7.4	7.4	7.4	8.6	8.6	8.6
65°	6.1	6.1	6.1	6.1	6.1	6.1	7.4	7.4	7.4	7.4	8.6
67.5°	4.9	4.9	4.9	6.1	6.1	6.1	6.1	6.1	7.4	7.4	7.4
70°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.1	6.1	6.1	6.1
72.5°	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9	4.9	4.9	6.1
75°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9	4.9
77.5°	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7
80°	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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: P1319442

CATALOG NUMBER: LDSQA3D17R609835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6
2.5°	868.3	858.5	847.5	800.9	755.5	694.2	652.5	640.2
5°	921.0	905.1	880.6	792.3	685.6	564.2	466.0	430.5
7.5°	965.2	940.7	906.3	780.0	602.2	382.6	246.5	208.5
10°	997.1	966.4	922.3	757.9	491.8	210.9	83.4	62.5
12.5°	1024.1	983.6	930.9	724.8	358.1	85.8	42.9	42.9
15°	1042.5	993.4	934.5	678.2	231.8	45.4	40.5	40.5
17.5°	1068.2	1004.4	934.5	613.2	126.3	39.2	39.2	39.2
20°	1109.9	1015.5	921.0	531.0	69.9	36.8	38.0	38.0
22.5°	1132.0	1031.4	903.9	435.4	44.2	35.6	36.8	36.8
25°	1136.9	1029.0	867.1	343.4	35.6	34.3	35.6	36.8
27.5°	1119.7	1011.8	818.0	250.2	31.9	33.1	35.6	36.8
30°	1089.1	970.1	739.5	169.2	29.4	33.1	35.6	36.8
32.5°	1031.4	869.5	647.5	101.8	28.2	33.1	35.6	38.0
35°	902.6	764.1	542.1	44.2	27.0	33.1	36.8	38.0
37.5°	809.4	658.6	419.4	22.1	27.0	33.1	36.8	39.2
40°	706.4	529.8	193.8	19.6	27.0	33.1	36.8	39.2
42.5°	538.4	245.3	23.3	19.6	25.8	33.1	38.0	39.2
45°	196.2	25.8	12.3	18.4	25.8	33.1	38.0	40.5
47.5°	14.7	9.8	11.0	18.4	25.8	33.1	38.0	40.5
50°	9.8	9.8	11.0	18.4	25.8	33.1	38.0	40.5
52.5°	9.8	11.0	11.0	17.2	24.5	33.1	38.0	40.5
55°	9.8	11.0	11.0	17.2	24.5	31.9	38.0	40.5
57.5°	9.8	9.8	11.0	15.9	23.3	30.7	38.0	39.2
60°	9.8	9.8	11.0	14.7	22.1	29.4	35.6	38.0
62.5°	9.8	9.8	9.8	13.5	20.8	28.2	34.3	36.8
65°	8.6	8.6	9.8	12.3	18.4	25.8	31.9	34.3
67.5°	7.4	8.6	8.6	11.0	17.2	23.3	29.4	31.9
70°	7.4	7.4	7.4	9.8	14.7	20.8	27.0	28.2
72.5°	6.1	6.1	7.4	8.6	13.5	18.4	24.5	25.8
75°	4.9	6.1	6.1	7.4	11.0	15.9	20.8	22.1
77.5°	4.9	4.9	4.9	6.1	9.8	13.5	17.2	18.4
80°	3.7	3.7	3.7	4.9	7.4	11.0	13.5	14.7
82.5°	2.5	3.7	3.7	3.7	6.1	7.4	9.8	11.0
85°	2.5	2.5	2.5	2.5	3.7	4.9	6.1	7.4
87.5°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)