

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: P1310583

Luminaire Tested: LDSQA3D17R609035DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310583
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: LDSQA3D17R609035DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

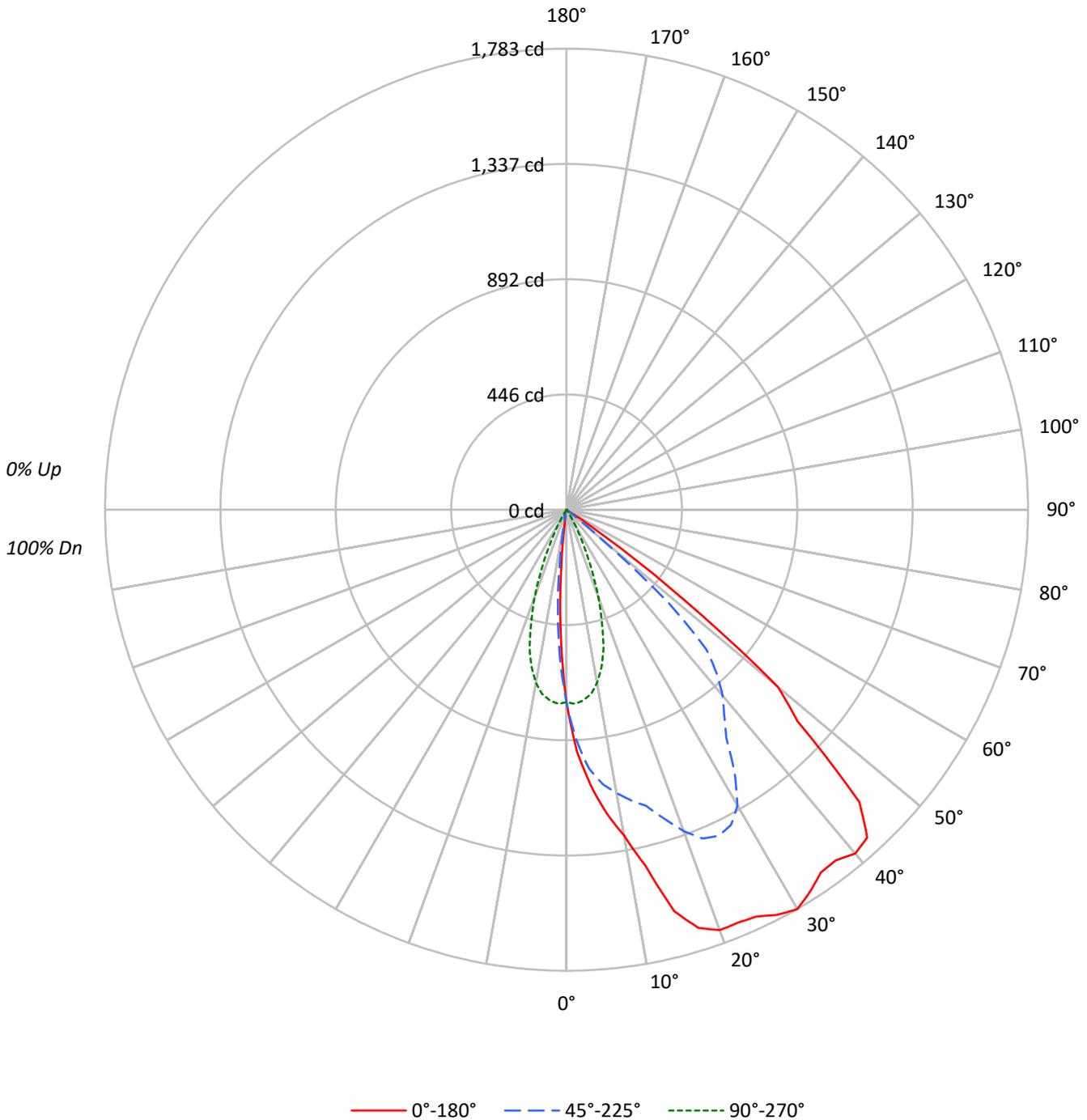
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 57.1 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

TEST NUMBER: P1310583
CATALOG NUMBER: LDSQA3D17R609035DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1310583

CATALOG NUMBER: LDSQA3D17R609035DE010 3LSQCA30R 1MB

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	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60				60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54				54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49				49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40				40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	128220	128220	128220	128220	128220
5°	184809	174056	128018	65954	42373
10°	223548	194588	118848	7870	4634
15°	286489	211390	98492	5188	4243
20°	317067	242290	66034	2914	477
25°	329753	264308	32476	247	0
30°	354577	262642	8949	0	0
35°	360108	226140	0	0	0
40°	390131	210859	0	0	0
45°	389744	186153	0	0	0
50°	285346	45066	0	0	0
55°	55698	0	0	0	0
60°	0	0	0	0	0
65°	0	530	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 390402 cd/sqm



TEST NUMBER: P1310583

CATALOG NUMBER: LDSQA3D17R609035DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	5.3
10°-20°	182.1	15.0
20°-30°	290.1	24.0
30°-40°	335.4	27.7
40°-50°	266.4	22.0
50°-60°	70.1	5.8
60°-70°	0.5	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°	536.1	44.3
0°-40°	871.5	72.0
0°-60°	1208.0	99.8
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	744	744	744	744	744	
5°	1069	1007	740	382	245	108
15°	1607	1186	552	29	24	448
25°	1735	1391	171	1	0	809
35°	1713	1076	0	0	0	1088
45°	1600	764	0	0	0	1139
55°	186	0	0	0	0	280
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	



TEST NUMBER: P1310583

CATALOG NUMBER: LDSQA3D17R609035DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5
2.5°	936.5	945.8	941.8	937.9	928.6	924.6	924.6	914.0	896.8	894.2	882.2
5°	1069.0	1071.7	1071.7	1069.0	1062.4	1051.8	1049.1	1038.5	1022.7	1006.8	990.9
7.5°	1184.3	1182.9	1175.0	1169.7	1157.8	1143.2	1130.0	1115.4	1091.5	1070.3	1047.8
10°	1278.3	1282.3	1275.7	1262.4	1246.5	1226.7	1205.5	1180.3	1144.5	1112.7	1083.6
12.5°	1410.8	1409.5	1392.2	1369.7	1331.3	1294.2	1261.1	1233.3	1189.6	1151.1	1115.4
15°	1606.8	1604.2	1588.3	1568.4	1512.8	1457.1	1400.2	1322.0	1249.2	1185.6	1135.2
17.5°	1695.6	1700.9	1687.6	1677.0	1645.3	1608.2	1557.8	1479.7	1367.1	1251.8	1145.8
20°	1730.0	1736.7	1727.4	1726.1	1711.5	1694.3	1653.2	1568.4	1458.5	1322.0	1190.9
22.5°	1728.7	1734.0	1730.0	1747.3	1764.5	1755.2	1704.9	1620.1	1507.5	1376.3	1228.0
25°	1735.3	1731.4	1716.8	1742.0	1767.1	1759.2	1734.0	1661.1	1538.0	1390.9	1241.2
27.5°	1765.8	1736.7	1707.5	1739.3	1751.2	1753.9	1739.3	1653.2	1532.7	1375.0	1214.7
30°	1783.0	1751.2	1727.4	1753.9	1753.9	1768.4	1738.0	1640.0	1487.6	1320.7	1144.5
32.5°	1751.2	1744.6	1765.8	1792.3	1798.9	1798.9	1731.4	1596.2	1412.1	1209.4	1031.9
35°	1712.8	1728.7	1789.6	1801.6	1801.6	1772.4	1690.3	1519.4	1299.5	1075.6	948.5
37.5°	1708.8	1734.0	1801.6	1787.0	1763.1	1708.8	1589.6	1385.6	1139.2	1000.1	886.2
40°	1735.3	1759.2	1798.9	1745.9	1689.0	1604.2	1461.1	1210.8	1042.5	937.9	810.7
42.5°	1719.4	1742.0	1743.3	1665.1	1584.3	1469.1	1279.6	1069.0	972.3	858.4	724.6
45°	1600.2	1602.9	1597.6	1514.1	1430.7	1311.4	1110.1	998.8	895.5	764.3	532.5
47.5°	1209.4	1204.1	1224.0	1200.2	1204.1	1132.6	1008.1	916.7	793.5	536.5	161.6
50°	1065.0	1058.4	1038.5	1017.4	996.2	961.7	903.4	805.4	572.3	168.2	5.3
52.5°	570.9	602.7	665.0	760.4	796.1	793.5	749.8	596.1	180.2	1.3	0.0
55°	185.5	182.8	204.0	241.1	331.2	381.5	397.4	202.7	4.0	0.0	0.0
57.5°	0.0	0.0	0.0	4.0	13.2	34.4	45.0	2.6	0.0	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
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: P1310583

CATALOG NUMBER: LDSQA3D17R609035DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5
2.5°	866.3	847.8	826.6	751.1	662.3	576.2	514.0	498.1
5°	965.7	933.9	888.9	740.5	547.1	381.5	272.9	245.1
7.5°	1017.4	989.5	941.8	719.3	423.9	188.1	70.2	47.7
10°	1049.1	1016.0	963.0	679.6	276.9	45.0	25.2	26.5
12.5°	1071.7	1033.2	973.6	622.6	140.4	22.5	31.8	33.1
15°	1080.9	1039.9	972.3	552.4	50.3	29.1	27.8	23.8
17.5°	1075.6	1024.0	955.1	451.7	17.2	27.8	14.6	11.9
20°	1069.0	1010.7	927.3	360.3	14.6	15.9	5.3	2.6
22.5°	1090.2	988.2	888.9	258.3	14.6	5.3	0.0	0.0
25°	1092.9	978.9	839.8	170.9	6.6	1.3	0.0	0.0
27.5°	1066.4	924.6	764.3	100.7	0.0	0.0	0.0	0.0
30°	981.6	857.1	683.5	45.0	0.0	0.0	0.0	0.0
32.5°	898.1	781.6	593.5	10.6	0.0	0.0	0.0	0.0
35°	831.9	703.4	494.1	0.0	0.0	0.0	0.0	0.0
37.5°	749.8	610.7	368.3	0.0	0.0	0.0	0.0	0.0
40°	663.7	492.8	184.1	0.0	0.0	0.0	0.0	0.0
42.5°	517.9	234.5	18.5	0.0	0.0	0.0	0.0	0.0
45°	198.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10.6	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°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
65°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)