

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: P1312778

Luminaire Tested: LDSQA3D17R609050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312778
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: LDSQA3D17R609050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

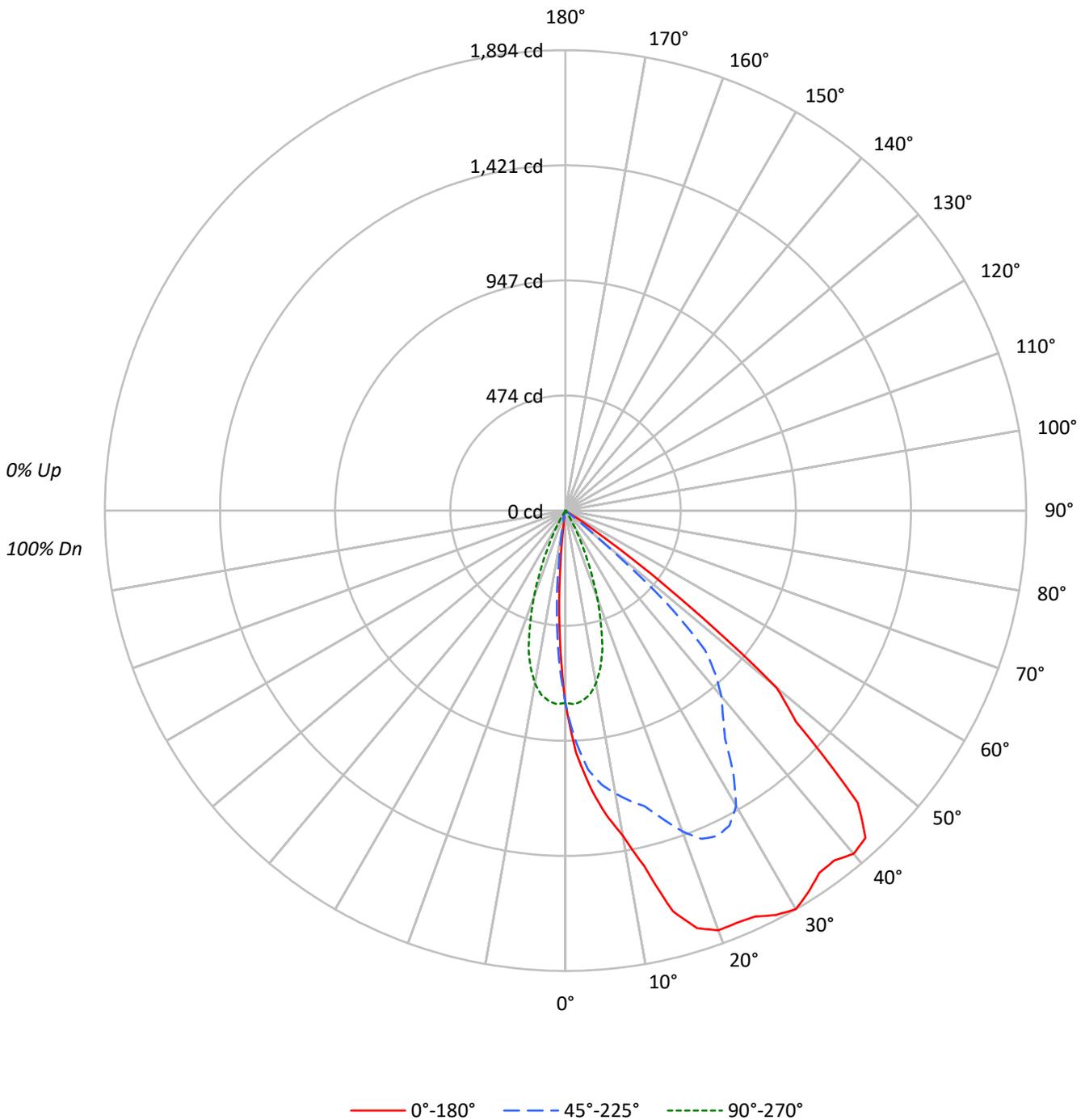
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1285.0 lumens
Efficiency: N/A
Efficacy: 60.6 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: P1312778
CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1312778

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCA30R 1MB

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	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	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	136159	136159	136159	136159	136159
5°	196271	184844	135953	70051	45001
10°	237399	206655	126211	8359	4914
15°	304248	224495	104590	5509	4511
20°	336732	257319	70121	3097	513
25°	350200	280688	34490	266	0
30°	376552	278929	9506	0	0
35°	382436	240163	0	0	0
40°	414322	223921	0	0	0
45°	413905	197697	0	0	0
50°	303057	47879	0	0	0
55°	59151	0	0	0	0
60°	0	0	0	0	0
65°	0	571	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: 414587 cd/sqm



TEST NUMBER: P1312778

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	5.3
10°-20°	193.4	15.0
20°-30°	308.1	24.0
30°-40°	356.2	27.7
40°-50°	282.9	22.0
50°-60°	74.4	5.8
60°-70°	0.5	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°	569.4	44.3
0°-40°	925.5	72.0
0°-60°	1282.9	99.8
0°-90°	1285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	791	791	791	791	791	
5°	1135	1069	786	405	260	115
15°	1706	1259	587	31	25	476
25°	1843	1477	182	1	0	859
35°	1819	1142	0	0	0	1155
45°	1699	812	0	0	0	1210
55°	197	0	0	0	0	297
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: P1312778

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6
2.5°	994.6	1004.4	1000.2	996.0	986.2	981.9	981.9	970.7	952.4	949.6	936.9
5°	1135.3	1138.1	1138.1	1135.3	1128.2	1117.0	1114.2	1102.9	1086.0	1069.2	1052.3
7.5°	1257.7	1256.3	1247.8	1242.2	1229.5	1214.1	1200.0	1184.5	1159.2	1136.7	1112.8
10°	1357.5	1361.8	1354.7	1340.7	1323.8	1302.7	1280.2	1253.4	1215.5	1181.7	1150.8
12.5°	1498.2	1496.8	1478.5	1454.6	1413.8	1374.4	1339.3	1309.7	1263.3	1222.5	1184.5
15°	1706.4	1703.6	1686.7	1665.6	1606.6	1547.5	1487.0	1404.0	1326.6	1259.1	1205.6
17.5°	1800.7	1806.3	1792.2	1781.0	1747.2	1707.8	1654.4	1571.4	1451.8	1329.4	1216.9
20°	1837.3	1844.3	1834.4	1833.0	1817.6	1799.3	1755.7	1665.6	1548.9	1404.0	1264.7
22.5°	1835.9	1841.5	1837.3	1855.6	1873.8	1864.0	1810.5	1720.5	1600.9	1461.7	1304.1
25°	1842.9	1838.7	1823.2	1849.9	1876.7	1868.2	1841.5	1764.1	1633.3	1477.1	1318.2
27.5°	1875.2	1844.3	1813.3	1847.1	1859.8	1862.6	1847.1	1755.7	1627.7	1460.2	1290.0
30°	1893.5	1859.8	1834.4	1862.6	1862.6	1878.1	1845.7	1741.6	1579.8	1402.6	1215.5
32.5°	1859.8	1852.7	1875.2	1903.4	1910.4	1910.4	1838.7	1695.2	1499.6	1284.4	1095.9
35°	1819.0	1835.9	1900.6	1913.2	1913.2	1882.3	1795.1	1613.6	1380.1	1142.3	1007.3
37.5°	1814.8	1841.5	1913.2	1897.8	1872.4	1814.8	1688.1	1471.5	1209.8	1062.1	941.1
40°	1842.9	1868.2	1910.4	1854.1	1793.7	1703.6	1551.7	1285.8	1107.1	996.0	861.0
42.5°	1826.0	1849.9	1851.3	1768.3	1682.5	1560.1	1359.0	1135.3	1032.6	911.6	769.5
45°	1699.4	1702.2	1696.6	1608.0	1519.3	1392.7	1178.9	1060.7	951.0	811.7	565.5
47.5°	1284.4	1278.8	1299.9	1274.5	1278.8	1202.8	1070.6	973.5	842.7	569.7	171.6
50°	1131.1	1124.0	1102.9	1080.4	1057.9	1021.3	959.4	855.3	607.7	178.7	5.6
52.5°	606.3	640.1	706.2	807.5	845.5	842.7	796.2	633.1	191.3	1.4	0.0
55°	197.0	194.1	216.6	256.0	351.7	405.2	422.0	215.2	4.2	0.0	0.0
57.5°	0.0	0.0	0.0	4.2	14.1	36.6	47.8	2.8	0.0	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	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: P1312778

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6
2.5°	920.0	900.3	877.8	797.6	703.4	612.0	545.8	529.0
5°	1025.5	991.8	944.0	786.4	581.0	405.2	289.8	260.3
7.5°	1080.4	1050.9	1000.2	763.9	450.2	199.8	74.6	50.6
10°	1114.2	1079.0	1022.7	721.7	294.0	47.8	26.7	28.1
12.5°	1138.1	1097.3	1034.0	661.2	149.1	23.9	33.8	35.2
15°	1147.9	1104.3	1032.6	586.6	53.5	30.9	29.5	25.3
17.5°	1142.3	1087.4	1014.3	479.7	18.3	29.5	15.5	12.7
20°	1135.3	1073.4	984.8	382.6	15.5	16.9	5.6	2.8
22.5°	1157.8	1049.5	944.0	274.3	15.5	5.6	0.0	0.0
25°	1160.6	1039.6	891.9	181.5	7.0	1.4	0.0	0.0
27.5°	1132.5	981.9	811.7	106.9	0.0	0.0	0.0	0.0
30°	1042.4	910.2	725.9	47.8	0.0	0.0	0.0	0.0
32.5°	953.8	830.0	630.2	11.3	0.0	0.0	0.0	0.0
35°	883.5	747.0	524.7	0.0	0.0	0.0	0.0	0.0
37.5°	796.2	648.5	391.1	0.0	0.0	0.0	0.0	0.0
40°	704.8	523.3	195.5	0.0	0.0	0.0	0.0	0.0
42.5°	550.1	249.0	19.7	0.0	0.0	0.0	0.0	0.0
45°	211.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.3	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	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	1.4	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	0.0	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	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)