

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: P1319440

Luminaire Tested: LDSQA3D17R609835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319440
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: LDSQA3D17R609835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

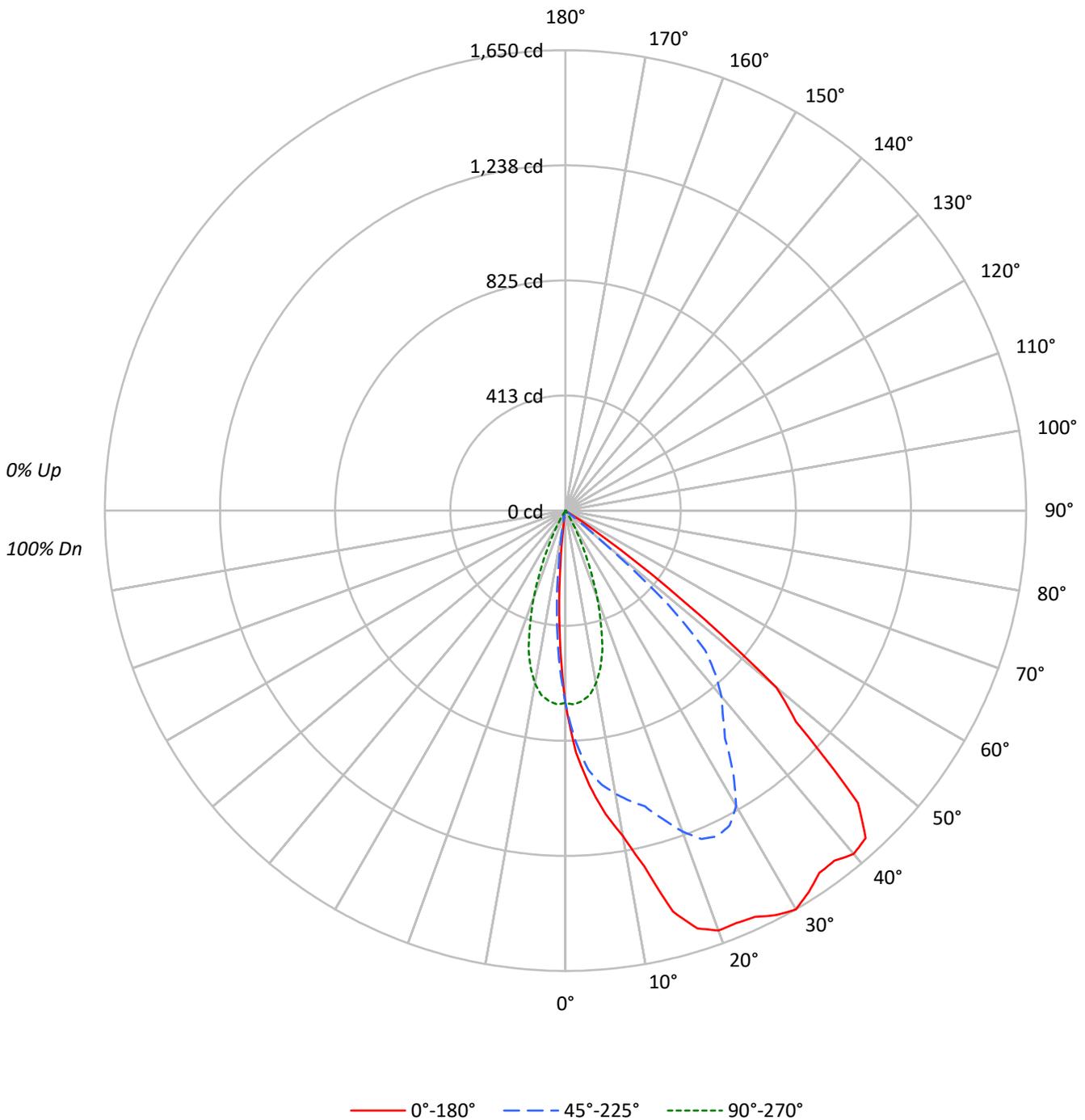
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1120.0 lumens
Efficiency: N/A
Efficacy: 54.9 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): 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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	118679	118679	118679	118679	118679
5°	171065	161107	118492	61044	39209
10°	206917	180126	109999	7292	4285
15°	265183	195664	91164	4814	3940
20°	293497	224274	61122	2694	458
25°	305240	244659	30062	228	0
30°	328208	243113	8293	0	0
35°	333322	209320	0	0	0
40°	361129	195167	0	0	0
45°	360760	172318	0	0	0
50°	264126	41717	0	0	0
55°	51555	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 361345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	5.3
10°-20°	168.5	15.0
20°-30°	268.6	24.0
30°-40°	310.4	27.7
40°-50°	246.6	22.0
50°-60°	64.9	5.8
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	496.3	44.3
0°-40°	806.7	72.0
0°-60°	1118.1	99.8
0°-90°	1120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1120.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	689	689	689	689	689	
5°	990	932	685	353	227	100
15°	1487	1097	511	27	22	415
25°	1606	1288	158	1	0	749
35°	1585	996	0	0	0	1007
45°	1481	708	0	0	0	1055
55°	172	0	0	0	0	259
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	866.9	875.5	871.8	868.1	859.5	855.9	855.9	846.0	830.1	827.7	816.6
5°	989.5	992.0	992.0	989.5	983.4	973.6	971.1	961.3	946.6	931.9	917.2
7.5°	1096.2	1095.0	1087.6	1082.7	1071.7	1058.2	1045.9	1032.4	1010.3	990.7	969.9
10°	1183.2	1186.9	1180.8	1168.5	1153.8	1135.4	1115.8	1092.5	1059.4	1030.0	1003.0
12.5°	1305.8	1304.6	1288.7	1267.8	1232.3	1197.9	1167.3	1141.5	1101.1	1065.5	1032.4
15°	1487.3	1484.9	1470.2	1451.8	1400.3	1348.8	1296.0	1223.7	1156.3	1097.4	1050.8
17.5°	1569.5	1574.4	1562.1	1552.3	1522.9	1488.5	1442.0	1369.6	1265.4	1158.7	1060.6
20°	1601.4	1607.5	1598.9	1597.7	1584.2	1568.2	1530.2	1451.8	1350.0	1223.7	1102.3
22.5°	1600.1	1605.0	1601.4	1617.3	1633.2	1624.6	1578.1	1499.6	1395.4	1274.0	1136.6
25°	1606.3	1602.6	1589.1	1612.4	1635.7	1628.3	1605.0	1537.6	1423.6	1287.5	1148.9
27.5°	1634.5	1607.5	1580.5	1609.9	1621.0	1623.4	1609.9	1530.2	1418.7	1272.7	1124.4
30°	1650.4	1621.0	1598.9	1623.4	1623.4	1636.9	1608.7	1518.0	1377.0	1222.5	1059.4
32.5°	1621.0	1614.8	1634.5	1659.0	1665.1	1665.1	1602.6	1477.5	1307.1	1119.5	955.2
35°	1585.4	1600.1	1656.5	1667.6	1667.6	1640.6	1564.6	1406.4	1202.9	995.6	877.9
37.5°	1581.7	1605.0	1667.6	1654.1	1632.0	1581.7	1471.4	1282.6	1054.5	925.7	820.3
40°	1606.3	1628.3	1665.1	1616.1	1563.3	1484.9	1352.4	1120.7	965.0	868.1	750.4
42.5°	1591.5	1612.4	1613.6	1541.3	1466.5	1359.8	1184.5	989.5	900.0	794.5	670.7
45°	1481.2	1483.6	1478.7	1401.5	1324.2	1213.9	1027.5	924.5	828.9	707.5	492.9
47.5°	1119.5	1114.6	1133.0	1110.9	1114.6	1048.4	933.1	848.5	734.5	496.6	149.6
50°	985.8	979.7	961.3	941.7	922.1	890.2	836.2	745.5	529.7	155.7	4.9
52.5°	528.5	557.9	615.5	703.8	736.9	734.5	694.0	551.8	166.8	1.2	0.0
55°	171.7	169.2	188.8	223.2	306.5	353.1	367.8	187.6	3.7	0.0	0.0
57.5°	0.0	0.0	0.0	3.7	12.3	31.9	41.7	2.5	0.0	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	801.9	784.7	765.1	695.2	613.1	533.4	475.7	461.0
5°	893.9	864.4	822.7	685.4	506.4	353.1	252.6	226.8
7.5°	941.7	915.9	871.8	665.8	392.4	174.1	65.0	44.1
10°	971.1	940.5	891.4	629.0	256.3	41.7	23.3	24.5
12.5°	992.0	956.4	901.2	576.3	130.0	20.8	29.4	30.7
15°	1000.5	962.5	900.0	511.3	46.6	27.0	25.7	22.1
17.5°	995.6	947.8	884.1	418.1	15.9	25.7	13.5	11.0
20°	989.5	935.6	858.3	333.5	13.5	14.7	4.9	2.5
22.5°	1009.1	914.7	822.7	239.1	13.5	4.9	0.0	0.0
25°	1011.6	906.1	777.4	158.2	6.1	1.2	0.0	0.0
27.5°	987.0	855.9	707.5	93.2	0.0	0.0	0.0	0.0
30°	908.6	793.3	632.7	41.7	0.0	0.0	0.0	0.0
32.5°	831.3	723.4	549.3	9.8	0.0	0.0	0.0	0.0
35°	770.0	651.1	457.4	0.0	0.0	0.0	0.0	0.0
37.5°	694.0	565.3	340.9	0.0	0.0	0.0	0.0	0.0
40°	614.3	456.1	170.4	0.0	0.0	0.0	0.0	0.0
42.5°	479.4	217.0	17.2	0.0	0.0	0.0	0.0	0.0
45°	183.9	19.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.8	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°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)