

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: P1320316

Luminaire Tested: LDSQA3D17R609840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320316
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: LDSQA3D17R609840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

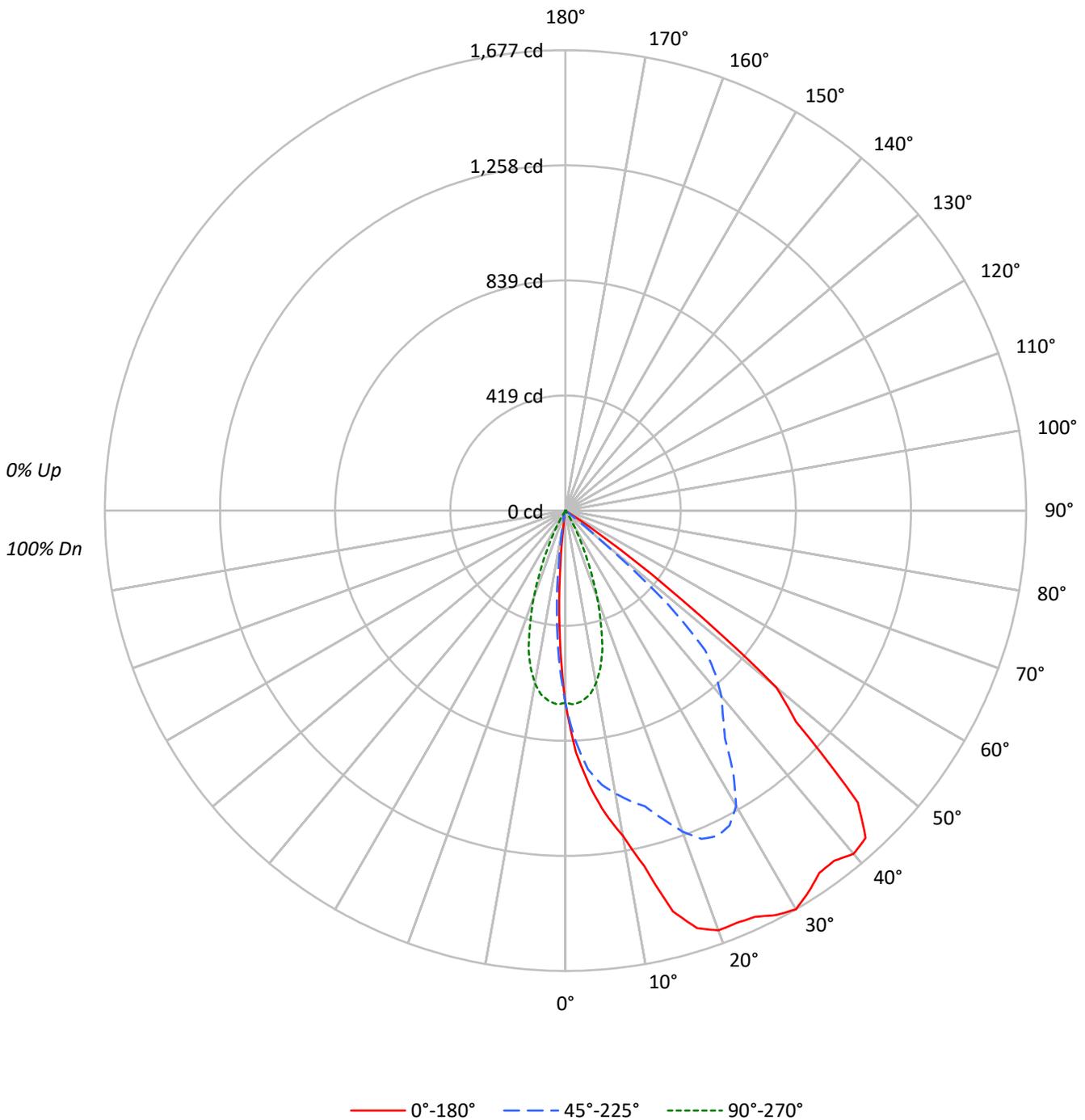
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1137.9 lumens
Efficiency: N/A
Efficacy: 55.8 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				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°	120590	120590	120590	120590	120590
5°	173814	163683	120394	62030	39849
10°	210240	183011	111765	7415	4354
15°	269444	198802	92626	4885	3994
20°	298208	227885	62112	2749	458
25°	310143	248574	30537	228	0
30°	333478	247011	8432	0	0
35°	338684	212684	0	0	0
40°	366930	198314	0	0	0
45°	366557	175095	0	0	0
50°	268386	42387	0	0	0
55°	52366	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: 367166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	5.3
10°-20°	171.2	15.0
20°-30°	272.9	24.0
30°-40°	315.4	27.7
40°-50°	250.5	22.0
50°-60°	65.9	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°	504.2	44.3
0°-40°	819.7	72.0
0°-60°	1136.1	99.8
0°-90°	1137.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	700	700	700	700	700	
5°	1005	947	696	359	230	102
15°	1511	1115	520	27	22	421
25°	1632	1308	161	1	0	761
35°	1611	1012	0	0	0	1023
45°	1505	719	0	0	0	1072
55°	174	0	0	0	0	263
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°	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.2
2.5°	880.8	889.5	885.8	882.1	873.3	869.6	869.6	859.6	843.4	841.0	829.7
5°	1005.4	1007.9	1007.9	1005.4	999.2	989.2	986.7	976.8	961.8	946.8	931.9
7.5°	1113.8	1112.5	1105.1	1100.1	1088.9	1075.2	1062.7	1049.0	1026.6	1006.7	985.5
10°	1202.2	1206.0	1199.8	1187.3	1172.3	1153.7	1133.7	1110.1	1076.4	1046.5	1019.1
12.5°	1326.8	1325.6	1309.4	1288.2	1252.1	1217.2	1186.1	1159.9	1118.8	1082.6	1049.0
15°	1511.2	1508.7	1493.8	1475.1	1422.8	1370.4	1316.9	1243.4	1174.8	1115.0	1067.7
17.5°	1594.7	1599.7	1587.2	1577.3	1547.4	1512.5	1465.1	1391.6	1285.7	1177.3	1077.7
20°	1627.1	1633.3	1624.6	1623.3	1609.6	1593.4	1554.8	1475.1	1371.7	1243.4	1120.0
22.5°	1625.8	1630.8	1627.1	1643.3	1659.5	1650.8	1603.4	1523.7	1417.8	1294.4	1154.9
25°	1632.1	1628.3	1614.6	1638.3	1662.0	1654.5	1630.8	1562.3	1446.4	1308.1	1167.4
27.5°	1660.7	1633.3	1605.9	1635.8	1647.0	1649.5	1635.8	1554.8	1441.5	1293.2	1142.4
30°	1676.9	1647.0	1624.6	1649.5	1649.5	1663.2	1634.6	1542.4	1399.1	1242.1	1076.4
32.5°	1647.0	1640.8	1660.7	1685.6	1691.9	1691.9	1628.3	1501.3	1328.1	1137.5	970.5
35°	1610.9	1625.8	1683.1	1694.4	1694.4	1667.0	1589.7	1429.0	1222.2	1011.6	892.0
37.5°	1607.2	1630.8	1694.4	1680.7	1658.2	1607.2	1495.0	1303.2	1071.4	940.6	833.5
40°	1632.1	1654.5	1691.9	1642.0	1588.5	1508.7	1374.2	1138.7	980.5	882.1	762.5
42.5°	1617.1	1638.3	1639.5	1566.0	1490.0	1381.7	1203.5	1005.4	914.5	807.3	681.5
45°	1505.0	1507.5	1502.5	1424.0	1345.5	1233.4	1044.0	939.4	842.2	718.9	500.8
47.5°	1137.5	1132.5	1151.2	1128.7	1132.5	1065.2	948.1	862.1	746.3	504.6	152.0
50°	1001.7	995.4	976.8	956.8	936.9	904.5	849.7	757.5	538.2	158.2	5.0
52.5°	537.0	566.9	625.4	715.1	748.8	746.3	705.2	560.6	169.4	1.2	0.0
55°	174.4	171.9	191.9	226.7	311.5	358.8	373.8	190.6	3.7	0.0	0.0
57.5°	0.0	0.0	0.0	3.7	12.5	32.4	42.4	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°	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.2
2.5°	814.8	797.3	777.4	706.4	622.9	541.9	483.4	468.4
5°	908.2	878.3	836.0	696.4	514.5	358.8	256.6	230.5
7.5°	956.8	930.7	885.8	676.5	398.7	176.9	66.0	44.9
10°	986.7	955.6	905.7	639.1	260.4	42.4	23.7	24.9
12.5°	1007.9	971.8	915.7	585.6	132.1	21.2	29.9	31.1
15°	1016.6	978.0	914.5	519.5	47.3	27.4	26.2	22.4
17.5°	1011.6	963.0	898.3	424.8	16.2	26.2	13.7	11.2
20°	1005.4	950.6	872.1	338.9	13.7	15.0	5.0	2.5
22.5°	1025.3	929.4	836.0	242.9	13.7	5.0	0.0	0.0
25°	1027.8	920.7	789.9	160.7	6.2	1.2	0.0	0.0
27.5°	1002.9	869.6	718.9	94.7	0.0	0.0	0.0	0.0
30°	923.2	806.1	642.9	42.4	0.0	0.0	0.0	0.0
32.5°	844.7	735.1	558.1	10.0	0.0	0.0	0.0	0.0
35°	782.4	661.5	464.7	0.0	0.0	0.0	0.0	0.0
37.5°	705.2	574.3	346.3	0.0	0.0	0.0	0.0	0.0
40°	624.2	463.5	173.2	0.0	0.0	0.0	0.0	0.0
42.5°	487.1	220.5	17.4	0.0	0.0	0.0	0.0	0.0
45°	186.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10.0	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)