

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: P1324112

Luminaire Tested: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324112
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: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

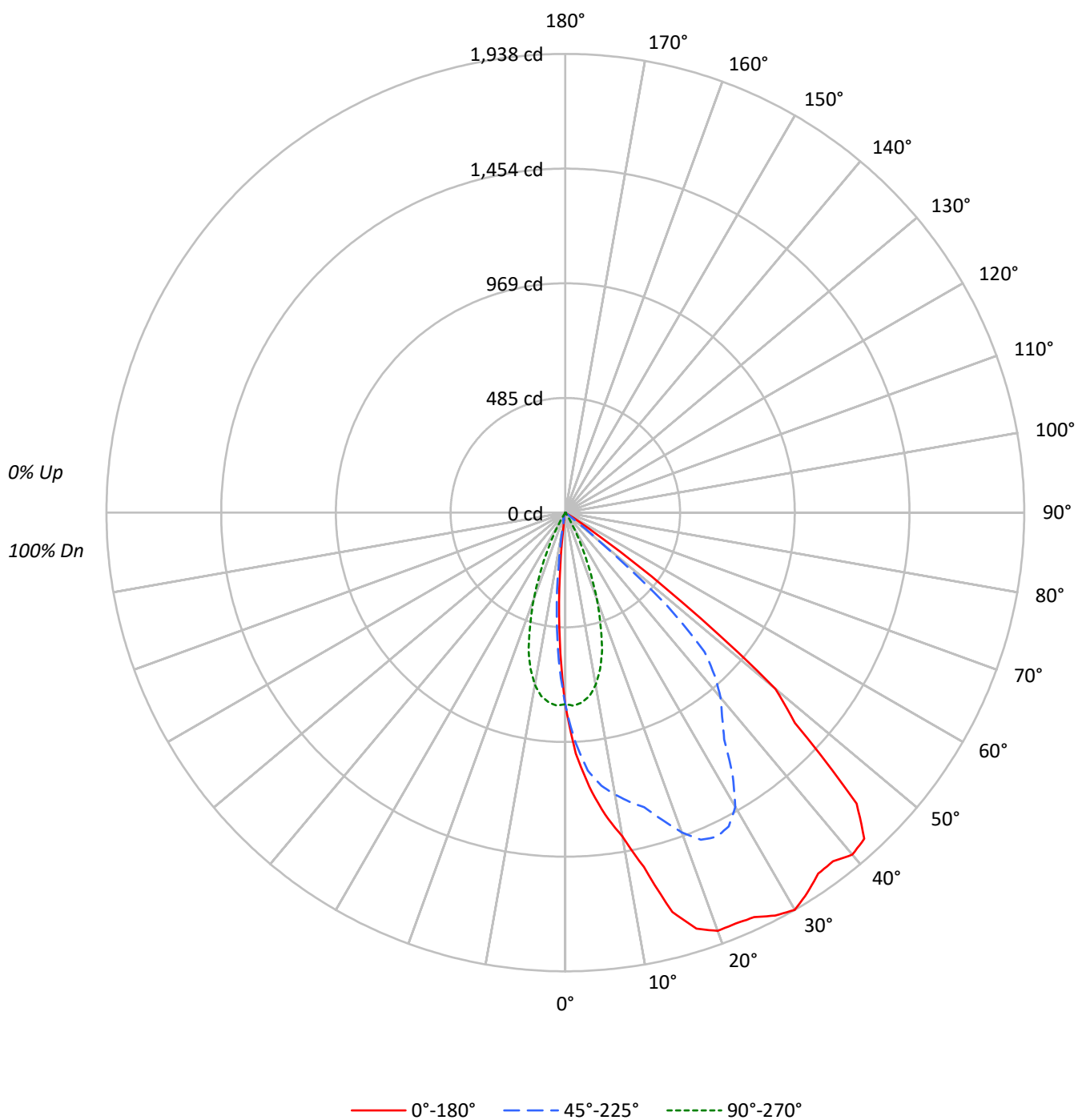
Lumens per Lamp: N/A
Luminaire Lumens: 1314.9 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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		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°	139345	139345	139345	139345	139345
5°	200853	189149	139134	71676	46038
10°	242943	211482	129148	8552	5037
15°	311362	229737	107032	5652	4618
20°	344595	263330	71771	3171	531
25°	358371	287244	35288	266	0
30°	385342	285432	9725	0	0
35°	391350	245776	0	0	0
40°	423989	229160	0	0	0
45°	423574	202325	0	0	0
50°	310130	48978	0	0	0
55°	60503	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: 424281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	5.3
10°-20°	197.9	15.0
20°-30°	315.3	24.0
30°-40°	364.5	27.7
40°-50°	289.5	22.0
50°-60°	76.2	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°	582.7	44.3
0°-40°	947.2	72.0
0°-60°	1312.8	99.8
0°-90°	1314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	809	809	809	809	809	
5°	1162	1094	805	415	266	117
15°	1746	1288	600	32	26	487
25°	1886	1512	186	1	0	879
35°	1861	1169	0	0	0	1182
45°	1739	831	0	0	0	1238
55°	202	0	0	0	0	304
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°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1
2.5°	1017.8	1027.9	1023.6	1019.3	1009.2	1004.9	1004.9	993.3	974.6	971.8	958.8
5°	1161.8	1164.7	1164.7	1161.8	1154.6	1143.1	1140.2	1128.7	1111.4	1094.1	1076.8
7.5°	1287.0	1285.6	1277.0	1271.2	1258.2	1242.4	1228.0	1212.2	1186.3	1163.2	1138.7
10°	1389.2	1393.6	1386.4	1372.0	1354.7	1333.1	1310.1	1282.7	1243.8	1209.3	1177.6
12.5°	1533.2	1531.8	1513.1	1488.6	1446.8	1406.5	1370.5	1340.3	1292.8	1251.0	1212.2
15°	1746.3	1743.4	1726.1	1704.5	1644.1	1583.6	1521.7	1436.8	1357.6	1288.5	1233.8
17.5°	1842.7	1848.5	1834.1	1822.6	1788.0	1747.7	1693.0	1608.1	1485.7	1360.5	1245.3
20°	1880.2	1887.4	1877.3	1875.8	1860.0	1841.3	1796.7	1704.5	1585.0	1436.8	1294.2
22.5°	1878.7	1884.5	1880.2	1898.9	1917.6	1907.5	1852.8	1760.7	1638.3	1495.8	1334.5
25°	1885.9	1881.6	1865.8	1893.1	1920.5	1911.8	1884.5	1805.3	1671.4	1511.6	1348.9
27.5°	1919.0	1887.4	1855.7	1890.2	1903.2	1906.1	1890.2	1796.7	1665.7	1494.3	1320.1
30°	1937.7	1903.2	1877.3	1906.1	1906.1	1921.9	1888.8	1782.3	1616.7	1435.3	1243.8
32.5°	1903.2	1896.0	1919.0	1947.8	1955.0	1955.0	1881.6	1734.8	1534.6	1314.4	1121.5
35°	1861.4	1878.7	1944.9	1957.9	1957.9	1926.2	1837.0	1651.3	1412.3	1169.0	1030.8
37.5°	1857.1	1884.5	1957.9	1942.1	1916.1	1857.1	1727.6	1505.9	1238.1	1086.9	963.1
40°	1885.9	1911.8	1955.0	1897.4	1835.5	1743.4	1587.9	1315.8	1133.0	1019.3	881.1
42.5°	1868.6	1893.1	1894.6	1809.6	1721.8	1596.5	1390.7	1161.8	1056.7	932.9	787.5
45°	1739.1	1742.0	1736.2	1645.5	1554.8	1425.2	1206.4	1085.5	973.2	830.7	578.7
47.5°	1314.4	1308.6	1330.2	1304.3	1308.6	1230.9	1095.6	996.2	862.3	583.1	175.6
50°	1157.5	1150.3	1128.7	1105.6	1082.6	1045.2	981.8	875.3	621.9	182.8	5.8
52.5°	620.5	655.0	722.7	826.3	865.2	862.3	814.8	647.8	195.8	1.4	0.0
55°	201.5	198.7	221.7	262.0	359.9	414.6	431.9	220.3	4.3	0.0	0.0
57.5°	0.0	0.0	0.0	4.3	14.4	37.4	48.9	2.9	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1
2.5°	941.5	921.4	898.3	816.3	719.8	626.2	558.6	541.3
5°	1049.5	1014.9	966.0	804.8	594.6	414.6	296.6	266.3
7.5°	1105.6	1075.4	1023.6	781.7	460.7	204.4	76.3	51.8
10°	1140.2	1104.2	1046.6	738.5	300.9	48.9	27.4	28.8
12.5°	1164.7	1122.9	1058.1	676.6	152.6	24.5	34.6	36.0
15°	1174.7	1130.1	1056.7	600.3	54.7	31.7	30.2	25.9
17.5°	1169.0	1112.8	1038.0	490.9	18.7	30.2	15.8	13.0
20°	1161.8	1098.4	1007.7	391.6	15.8	17.3	5.8	2.9
22.5°	1184.8	1074.0	966.0	280.7	15.8	5.8	0.0	0.0
25°	1187.7	1063.9	912.7	185.7	7.2	1.4	0.0	0.0
27.5°	1158.9	1004.9	830.7	109.4	0.0	0.0	0.0	0.0
30°	1066.8	931.4	742.8	48.9	0.0	0.0	0.0	0.0
32.5°	976.1	849.4	645.0	11.5	0.0	0.0	0.0	0.0
35°	904.1	764.4	537.0	0.0	0.0	0.0	0.0	0.0
37.5°	814.8	663.7	400.2	0.0	0.0	0.0	0.0	0.0
40°	721.3	535.5	200.1	0.0	0.0	0.0	0.0	0.0
42.5°	562.9	254.8	20.2	0.0	0.0	0.0	0.0	0.0
45°	215.9	23.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.5	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)