

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: P1315995

Luminaire Tested: LDSQA3D20R659735D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R659735D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

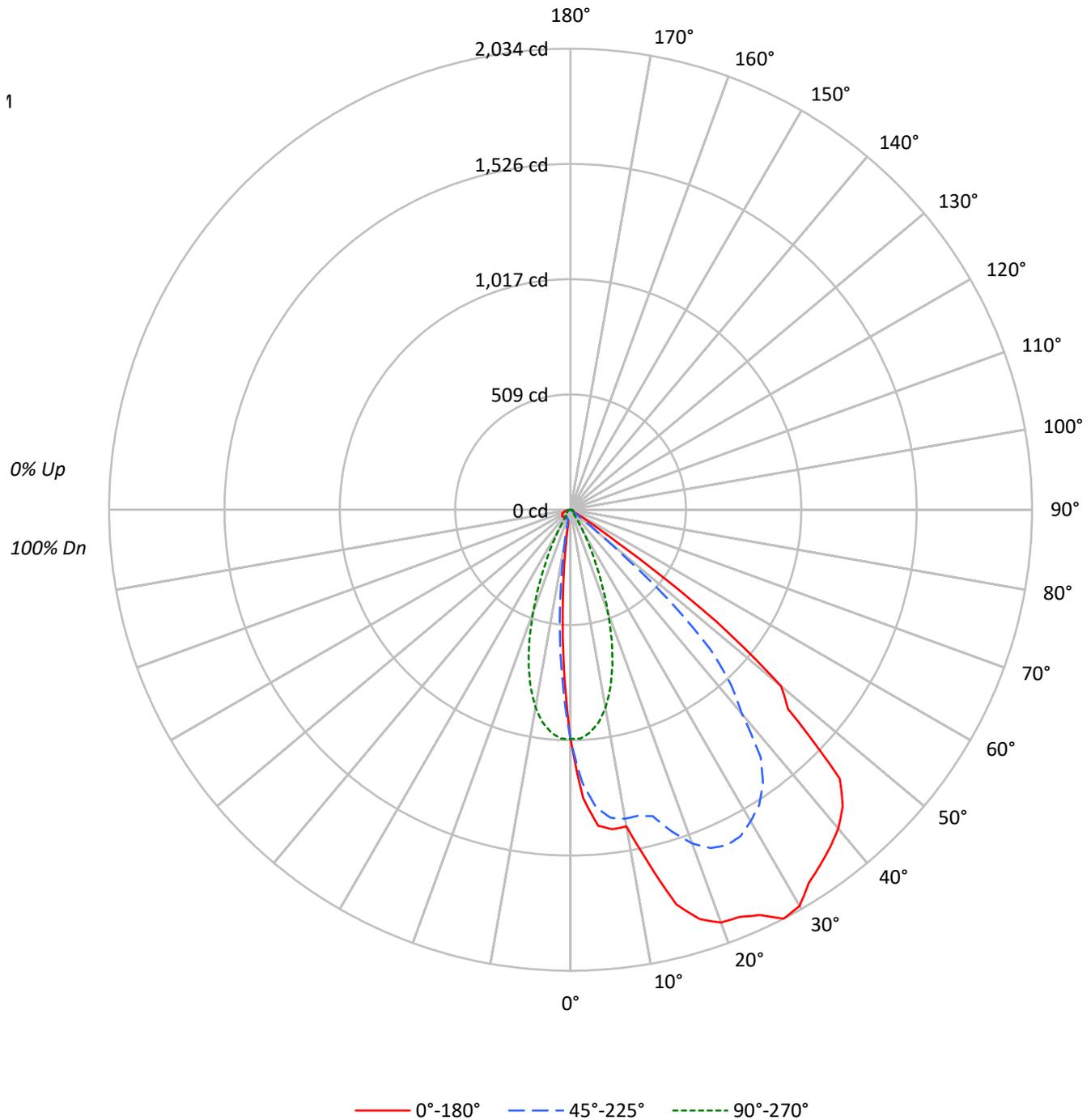
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1515.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	174083	174083	174083	174083	174083
5°	241964	228358	170391	93632	65867
10°	248067	242016	155013	26162	9636
15°	321418	249546	126877	8416	8148
20°	355206	287101	88302	7496	7789
25°	374866	310238	49958	7183	7772
30°	401390	315600	22551	7199	8134
35°	402829	310826	7274	7611	8935
40°	412703	264052	4946	8139	9915
45°	408766	212822	4993	8817	10741
50°	324384	50210	5064	9699	12244
55°	77047	2822	5195	10869	13722
60°	2721	3238	5959	11401	14639
65°	3219	3219	5787	12185	16056
70°	2367	3172	5539	11884	16667
75°	2063	3127	5257	12576	16769
80°	1587	3075	6248	12497	17158
85°	3162	6126	6126	12449	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 409545 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	5.6
10°-20°	222.1	14.7
20°-30°	348.9	23.0
30°-40°	399.2	26.3
40°-50°	320.9	21.2
50°-60°	104.4	6.9
60°-70°	18.5	1.2
70°-80°	12.2	0.8
80°-90°	4.4	0.3
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°	655.4	43.3
0°-40°	1054.6	69.6
0°-60°	1479.8	97.7
0°-90°	1515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1011	1011	1011	1011	1011	
5°	1400	1321	986	542	381	132
15°	1803	1400	712	47	46	502
25°	1973	1633	263	38	41	919
35°	1916	1478	35	36	42	1203
45°	1678	874	20	36	44	1208
55°	257	9	17	36	46	367
65°	8	8	14	30	39	7
75°	3	5	8	19	25	4
85°	2	3	3	6	8	1
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°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	1272.1	1267.4	1273.7	1262.7	1261.1	1250.1	1243.8	1240.6	1226.5	1207.6	1190.2
5°	1399.6	1380.7	1385.5	1383.9	1376.0	1371.3	1365.0	1357.1	1338.2	1320.9	1298.9
7.5°	1421.7	1405.9	1409.1	1410.7	1405.9	1404.4	1402.8	1399.6	1387.0	1371.3	1352.4
10°	1418.5	1402.8	1401.2	1396.5	1391.8	1393.3	1393.3	1393.3	1390.2	1383.9	1377.6
12.5°	1601.2	1579.1	1574.4	1541.3	1511.4	1459.5	1426.4	1394.9	1380.7	1382.3	1377.6
15°	1802.7	1801.1	1785.4	1753.9	1703.5	1656.3	1580.7	1524.0	1451.6	1399.6	1377.6
17.5°	1894.0	1892.4	1878.3	1851.5	1815.3	1771.2	1716.1	1650.0	1569.7	1489.4	1423.3
20°	1938.1	1949.1	1933.4	1911.3	1876.7	1835.7	1783.8	1724.0	1648.4	1566.5	1487.8
22.5°	1944.4	1958.5	1944.4	1928.6	1903.4	1876.7	1832.6	1771.2	1694.0	1615.3	1538.2
25°	1972.7	1977.4	1947.5	1927.1	1903.4	1884.5	1849.9	1796.4	1717.7	1632.6	1557.1
27.5°	2034.1	2013.6	1950.7	1922.3	1900.3	1883.0	1849.9	1794.8	1709.8	1623.2	1544.5
30°	2018.4	2010.5	1955.4	1928.6	1909.7	1892.4	1851.5	1780.6	1678.3	1587.0	1505.1
32.5°	1953.8	1969.6	1950.7	1941.2	1931.8	1909.7	1849.9	1753.9	1638.9	1546.1	1435.8
35°	1916.0	1934.9	1936.5	1936.5	1925.5	1892.4	1821.6	1714.5	1599.6	1478.4	1330.4
37.5°	1878.3	1894.0	1903.4	1909.7	1894.0	1846.8	1757.0	1661.0	1535.0	1376.0	1116.2
40°	1835.7	1846.8	1854.6	1857.8	1834.2	1772.8	1690.9	1582.3	1440.6	1174.5	996.6
42.5°	1775.9	1782.2	1780.6	1779.1	1753.9	1686.2	1609.0	1495.7	1215.4	1047.0	831.3
45°	1678.3	1672.0	1681.5	1681.5	1648.4	1598.0	1495.7	1275.3	1087.9	873.8	535.3
47.5°	1300.4	1305.2	1350.8	1424.8	1470.5	1456.3	1317.8	1116.2	914.7	573.1	177.9
50°	1210.7	1206.0	1207.6	1215.4	1220.2	1180.8	1081.6	943.1	604.6	187.4	12.6
52.5°	812.4	817.1	853.3	936.8	963.5	935.2	840.7	629.8	220.4	12.6	11.0
55°	256.6	273.9	294.4	338.5	415.6	464.4	455.0	223.6	14.2	9.4	11.0
57.5°	9.4	9.4	12.6	22.0	42.5	69.3	72.4	14.2	11.0	11.0	11.0
60°	7.9	7.9	7.9	7.9	7.9	7.9	9.4	9.4	9.4	9.4	9.4
62.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	9.4	9.4	9.4	9.4
65°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	9.4
67.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	7.9	7.9
70°	4.7	4.7	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.9
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.3	6.3	6.3
75°	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
80°	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8
2.5°	1180.8	1161.9	1124.1	1010.8	892.7	774.6	700.6	681.7
5°	1273.7	1251.6	1198.1	985.6	746.3	541.6	425.1	381.0
7.5°	1330.4	1303.6	1240.6	946.2	581.0	314.9	188.9	151.1
10°	1355.6	1331.9	1261.1	886.4	420.4	149.6	66.1	55.1
12.5°	1366.6	1347.7	1269.0	807.7	273.9	66.1	48.8	47.2
15°	1371.3	1350.8	1265.8	711.6	155.9	47.2	45.7	45.7
17.5°	1376.0	1352.4	1246.9	601.4	86.6	44.1	42.5	44.1
20°	1413.8	1346.1	1213.9	481.8	56.7	40.9	40.9	42.5
22.5°	1451.6	1344.5	1155.6	368.4	44.1	39.4	40.9	40.9
25°	1464.2	1328.8	1081.6	262.9	37.8	37.8	39.4	40.9
27.5°	1440.6	1283.1	982.4	177.9	33.1	37.8	39.4	40.9
30°	1385.5	1206.0	862.8	113.4	31.5	36.2	39.4	40.9
32.5°	1283.1	1053.3	728.9	67.7	29.9	36.2	40.9	40.9
35°	1078.5	883.2	577.8	34.6	29.9	36.2	40.9	42.5
37.5°	943.1	736.8	403.0	23.6	29.9	36.2	40.9	42.5
40°	782.5	532.1	168.5	22.0	29.9	36.2	40.9	44.1
42.5°	541.6	231.4	26.8	20.5	28.3	36.2	42.5	44.1
45°	195.2	29.9	12.6	20.5	28.3	36.2	42.5	44.1
47.5°	17.3	11.0	12.6	20.5	28.3	36.2	42.5	45.7
50°	11.0	11.0	11.0	18.9	28.3	36.2	42.5	45.7
52.5°	11.0	11.0	11.0	18.9	26.8	36.2	44.1	45.7
55°	11.0	11.0	11.0	17.3	26.8	36.2	42.5	45.7
57.5°	11.0	11.0	12.6	17.3	26.8	34.6	42.5	44.1
60°	11.0	11.0	11.0	17.3	25.2	33.1	40.9	42.5
62.5°	9.4	11.0	11.0	15.7	23.6	31.5	39.4	40.9
65°	9.4	9.4	11.0	14.2	22.0	29.9	36.2	39.4
67.5°	7.9	9.4	9.4	12.6	18.9	26.8	33.1	36.2
70°	7.9	7.9	7.9	11.0	17.3	23.6	31.5	33.1
72.5°	6.3	7.9	7.9	9.4	14.2	20.5	26.8	29.9
75°	6.3	6.3	6.3	7.9	12.6	18.9	23.6	25.2
77.5°	4.7	4.7	6.3	6.3	11.0	14.2	20.5	22.0
80°	4.7	4.7	4.7	6.3	7.9	12.6	15.7	17.3
82.5°	3.1	3.1	3.1	4.7	6.3	7.9	11.0	12.6
85°	3.1	3.1	3.1	3.1	4.7	6.3	7.9	7.9
87.5°	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)