

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: P1309620

Luminaire Tested: LDSQA3D20R659030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309620  
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: LDSQA3D20R659030D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

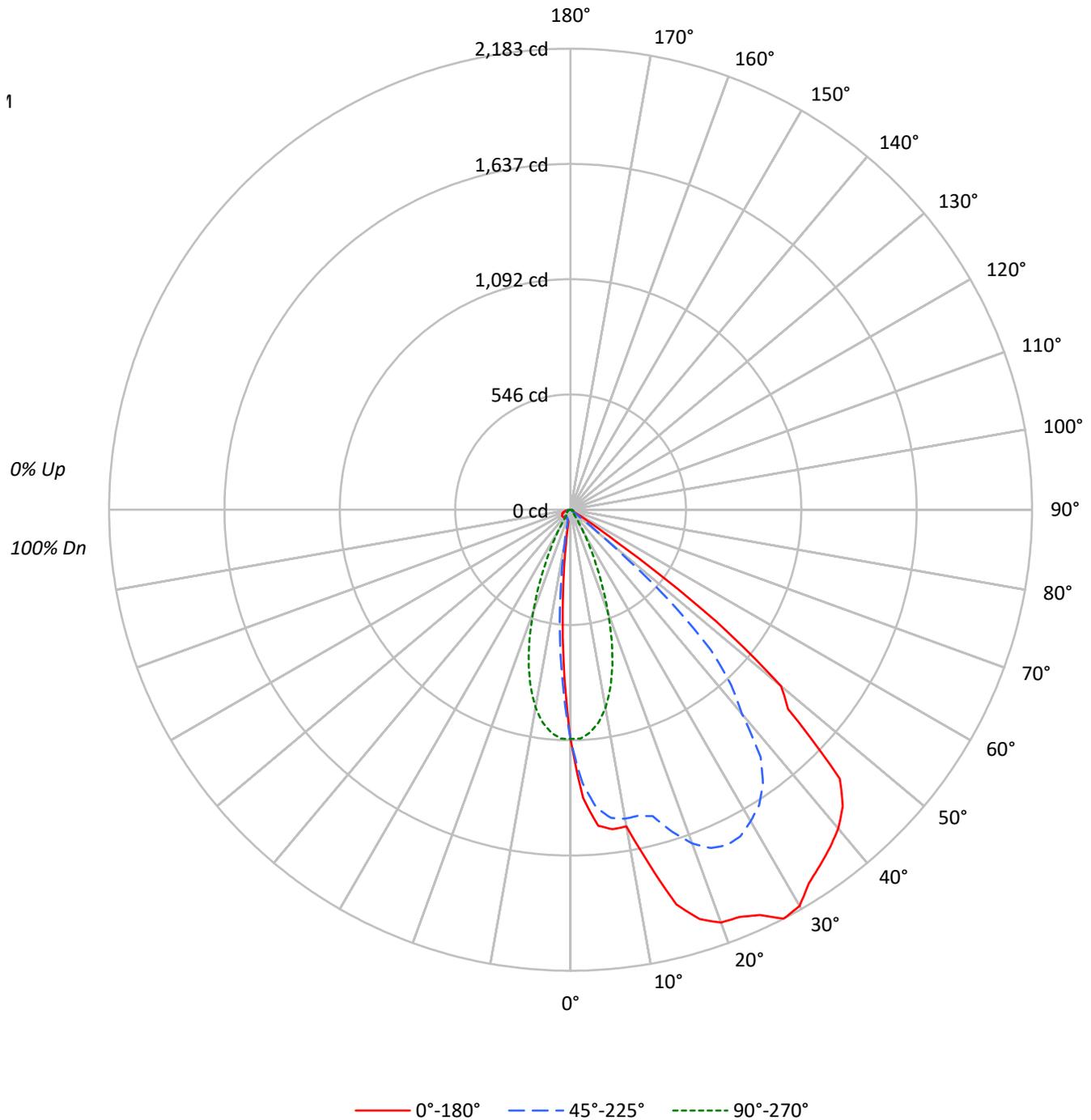
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1626.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 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 (A<sub>in</sub>): 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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	186827	186827	186827	186827	186827
5°	259701	245093	182873	100495	70691
10°	266254	259748	166363	28068	10335
15°	344971	267839	136184	9040	8737
20°	381231	308141	94772	8046	8357
25°	402324	332984	53626	7715	8342
30°	430802	338728	24202	7736	8730
35°	432348	333596	7821	8179	9587
40°	442942	283386	5328	8746	10634
45°	438724	228410	5358	9474	11520
50°	348149	53881	5439	10423	13129
55°	82692	3033	5585	11680	14713
60°	2893	3479	6407	12228	15707
65°	3423	3423	6194	13081	17197
70°	2568	3424	5942	12740	17876
75°	2262	3394	5590	13508	17966
80°	1686	3372	6744	13389	18447
85°	3359	6719	6719	13437	16599

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 439528 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	5.6
10°-20°	238.4	14.7
20°-30°	374.5	23.0
30°-40°	428.4	26.3
40°-50°	344.4	21.2
50°-60°	112.0	6.9
60°-70°	19.9	1.2
70°-80°	13.1	0.8
80°-90°	4.7	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°	703.4	43.3
0°-40°	1131.9	69.6
0°-60°	1588.3	97.7
0°-90°	1626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1085	1085	1085	1085	1085	
5°	1502	1418	1058	581	409	142
15°	1935	1502	764	51	49	539
25°	2117	1752	282	41	44	987
35°	2056	1587	37	39	46	1291
45°	1801	938	22	39	47	1296
55°	275	10	19	39	49	394
65°	8	8	15	32	42	8
75°	3	5	8	20	27	4
85°	2	3	3	7	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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1365.3	1360.2	1367.0	1355.2	1353.5	1341.7	1334.9	1331.5	1316.3	1296.0	1277.4
5°	1502.2	1481.9	1487.0	1485.3	1476.8	1471.8	1465.0	1456.6	1436.3	1417.7	1394.0
7.5°	1525.8	1508.9	1512.3	1514.0	1508.9	1507.3	1505.6	1502.2	1488.7	1471.8	1451.5
10°	1522.5	1505.6	1503.9	1498.8	1493.7	1495.4	1495.4	1495.4	1492.0	1485.3	1478.5
12.5°	1718.5	1694.8	1689.7	1654.3	1622.2	1566.4	1530.9	1497.1	1481.9	1483.6	1478.5
15°	1934.8	1933.1	1916.2	1882.4	1828.3	1777.6	1696.5	1635.7	1557.9	1502.2	1478.5
17.5°	2032.8	2031.1	2015.9	1987.1	1948.3	1901.0	1841.8	1770.9	1684.7	1598.5	1527.5
20°	2080.1	2091.9	2075.0	2051.3	2014.2	1970.2	1914.5	1850.3	1769.2	1681.3	1596.8
22.5°	2086.8	2102.0	2086.8	2069.9	2042.9	2014.2	1966.9	1901.0	1818.2	1733.7	1650.9
25°	2117.2	2122.3	2090.2	2068.2	2042.9	2022.6	1985.4	1928.0	1843.5	1752.3	1671.2
27.5°	2183.1	2161.2	2093.6	2063.2	2039.5	2020.9	1985.4	1926.3	1835.1	1742.1	1657.6
30°	2166.3	2157.8	2098.7	2069.9	2049.7	2031.1	1987.1	1911.1	1801.3	1703.3	1615.4
32.5°	2097.0	2113.9	2093.6	2083.5	2073.3	2049.7	1985.4	1882.4	1759.0	1659.3	1541.0
35°	2056.4	2076.7	2078.4	2078.4	2066.6	2031.1	1955.0	1840.1	1716.8	1586.7	1427.8
37.5°	2015.9	2032.8	2042.9	2049.7	2032.8	1982.1	1885.8	1782.7	1647.5	1476.8	1198.0
40°	1970.2	1982.1	1990.5	1993.9	1968.6	1902.7	1814.8	1698.2	1546.1	1260.5	1069.6
42.5°	1906.0	1912.8	1911.1	1909.4	1882.4	1809.7	1726.9	1605.3	1304.5	1123.7	892.2
45°	1801.3	1794.5	1804.6	1804.6	1769.2	1715.1	1605.3	1368.7	1167.6	937.8	574.5
47.5°	1395.7	1400.8	1449.8	1529.2	1578.2	1563.0	1414.3	1198.0	981.7	615.1	190.9
50°	1299.4	1294.3	1296.0	1304.5	1309.6	1267.3	1160.9	1012.2	648.9	201.1	13.5
52.5°	871.9	877.0	915.8	1005.4	1034.1	1003.7	902.3	675.9	236.6	13.5	11.8
55°	275.4	294.0	316.0	363.3	446.1	498.5	488.3	239.9	15.2	10.1	11.8
57.5°	10.1	10.1	13.5	23.7	45.6	74.3	77.7	15.2	11.8	11.8	11.8
60°	8.4	8.4	8.4	8.4	8.4	8.4	10.1	10.1	10.1	10.1	10.1
62.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	10.1	10.1	10.1	10.1
65°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	10.1
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.4	8.4	8.4	8.4
70°	5.1	5.1	5.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.4
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8
75°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1
80°	1.7	1.7	1.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1267.3	1247.0	1206.5	1084.8	958.1	831.4	751.9	731.7
5°	1367.0	1343.3	1285.9	1057.8	800.9	581.3	456.2	408.9
7.5°	1427.8	1399.1	1331.5	1015.5	623.5	337.9	202.8	162.2
10°	1454.9	1429.5	1353.5	951.3	451.2	160.5	71.0	59.1
12.5°	1466.7	1446.4	1361.9	866.8	294.0	71.0	52.4	50.7
15°	1471.8	1449.8	1358.6	763.8	167.3	50.7	49.0	49.0
17.5°	1476.8	1451.5	1338.3	645.5	92.9	47.3	45.6	47.3
20°	1517.4	1444.7	1302.8	517.1	60.8	43.9	43.9	45.6
22.5°	1557.9	1443.0	1240.3	395.4	47.3	42.2	43.9	43.9
25°	1571.5	1426.1	1160.9	282.2	40.6	40.6	42.2	43.9
27.5°	1546.1	1377.1	1054.4	190.9	35.5	40.6	42.2	43.9
30°	1487.0	1294.3	926.0	121.7	33.8	38.9	42.2	43.9
32.5°	1377.1	1130.4	782.4	72.7	32.1	38.9	43.9	43.9
35°	1157.5	947.9	620.1	37.2	32.1	38.9	43.9	45.6
37.5°	1012.2	790.8	432.6	25.3	32.1	38.9	43.9	45.6
40°	839.8	571.1	180.8	23.7	32.1	38.9	43.9	47.3
42.5°	581.3	248.4	28.7	22.0	30.4	38.9	45.6	47.3
45°	209.5	32.1	13.5	22.0	30.4	38.9	45.6	47.3
47.5°	18.6	11.8	13.5	22.0	30.4	38.9	45.6	49.0
50°	11.8	11.8	11.8	20.3	30.4	38.9	45.6	49.0
52.5°	11.8	11.8	11.8	20.3	28.7	38.9	47.3	49.0
55°	11.8	11.8	11.8	18.6	28.7	38.9	45.6	49.0
57.5°	11.8	11.8	13.5	18.6	28.7	37.2	45.6	47.3
60°	11.8	11.8	11.8	18.6	27.0	35.5	43.9	45.6
62.5°	10.1	11.8	11.8	16.9	25.3	33.8	42.2	43.9
65°	10.1	10.1	11.8	15.2	23.7	32.1	38.9	42.2
67.5°	8.4	10.1	10.1	13.5	20.3	28.7	35.5	38.9
70°	8.4	8.4	8.4	11.8	18.6	25.3	33.8	35.5
72.5°	6.8	8.4	8.4	10.1	15.2	22.0	28.7	32.1
75°	6.8	6.8	6.8	8.4	13.5	20.3	25.3	27.0
77.5°	5.1	5.1	6.8	6.8	11.8	15.2	22.0	23.7
80°	5.1	5.1	5.1	6.8	8.4	13.5	16.9	18.6
82.5°	3.4	3.4	3.4	5.1	6.8	8.4	11.8	13.5
85°	3.4	3.4	3.4	3.4	5.1	6.8	8.4	8.4
87.5°	1.7	1.7	1.7	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)