

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: P1319588

Luminaire Tested: LDSQA3D20R609835D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

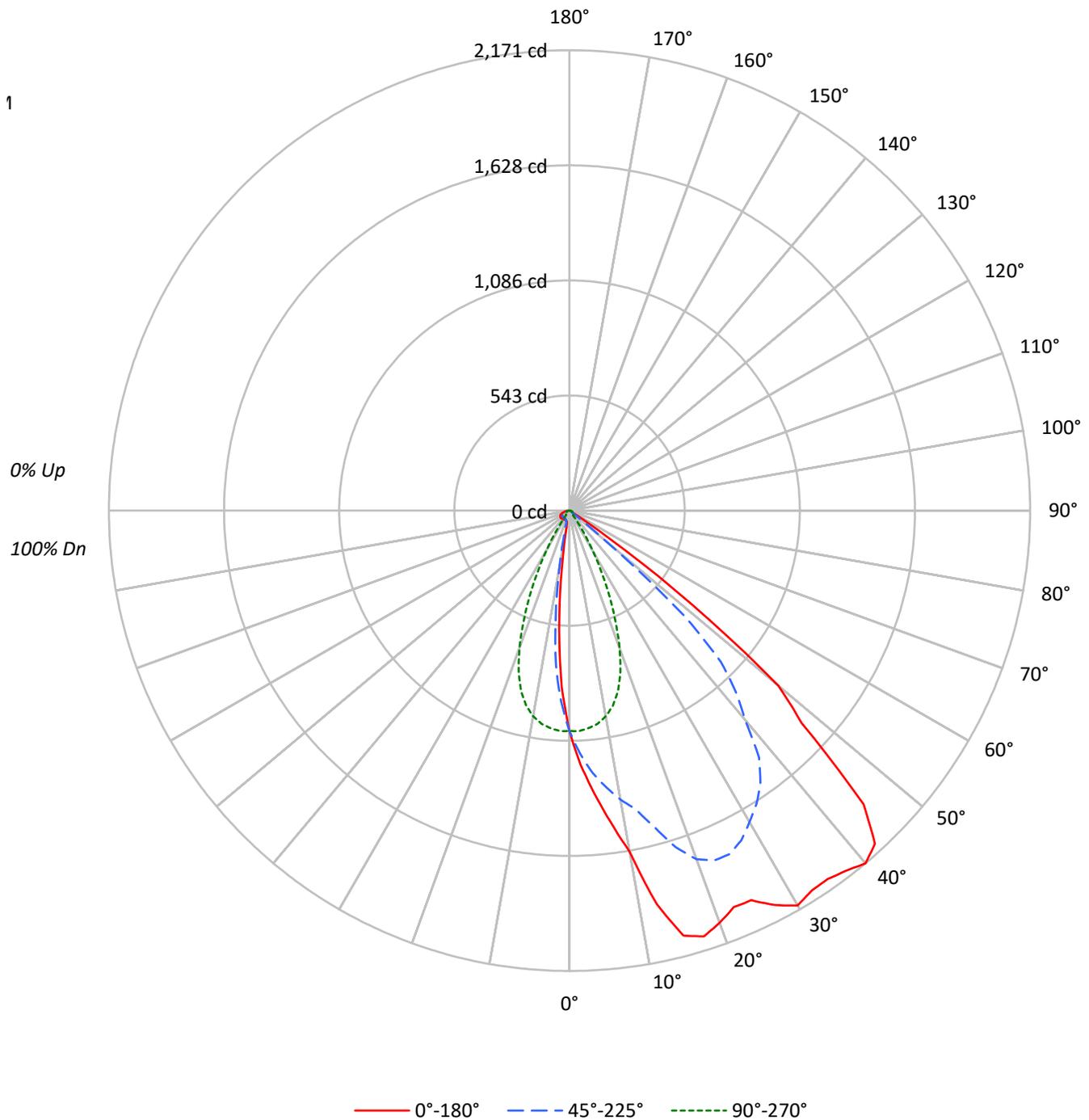
Test Method: LM-79-2019  
Report Number: P1319588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609835D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1688.0 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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	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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	178957	178957	178957	178957	178957
5°	231159	214631	177980	126739	96709
10°	285666	241911	172239	47934	14218
15°	369968	275346	157134	10520	9378
20°	379124	320714	126478	8761	9054
25°	385222	339483	84790	8475	9083
30°	427541	337216	43731	8551	9506
35°	445972	329706	12068	9041	10386
40°	487996	289142	5733	9667	11466
45°	477426	245703	5821	10473	12811
50°	344157	60633	6404	11521	14093
55°	66027	3813	6696	12431	15794
60°	3307	3858	6579	13158	17016
65°	3260	3912	6479	13652	18175
70°	3223	4028	6395	13646	18480
75°	3194	4259	6388	13774	19097
80°	1587	4761	6347	14183	18943
85°	3162	3162	6323	12647	18970

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 477426 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.3	5.4
10°-20°	249.5	14.8
20°-30°	384.0	22.7
30°-40°	450.5	26.7
40°-50°	361.3	21.4
50°-60°	112.2	6.6
60°-70°	21.2	1.3
70°-80°	14.1	0.8
80°-90°	4.9	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°	723.8	42.9
0°-40°	1174.3	69.6
0°-60°	1647.8	97.6
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1039	1039	1039	1039	1039	
5°	1337	1242	1030	733	559	136
15°	2075	1544	881	59	53	568
25°	2027	1786	446	45	48	957
35°	2121	1568	57	43	49	1342
45°	1960	1009	24	43	53	1403
55°	220	13	22	41	53	348
65°	8	10	16	34	45	8
75°	5	6	10	21	29	4
85°	2	2	3	6	10	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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1198.4	1185.7	1185.7	1180.9	1176.1	1177.7	1165.0	1169.8	1157.0	1147.5	1139.5
5°	1337.1	1321.2	1319.6	1311.6	1303.6	1297.3	1281.3	1271.8	1252.6	1241.5	1217.6
7.5°	1480.5	1467.8	1459.8	1450.3	1435.9	1420.0	1392.9	1375.3	1345.1	1314.8	1284.5
10°	1633.5	1622.4	1604.8	1593.7	1553.8	1528.3	1491.7	1467.8	1423.2	1383.3	1337.1
12.5°	1901.3	1894.9	1861.4	1839.1	1781.7	1730.7	1651.1	1587.3	1507.6	1442.3	1380.1
15°	2075.0	2067.0	2049.5	2028.8	1992.1	1934.7	1863.0	1773.8	1662.2	1544.3	1439.1
17.5°	2105.3	2106.8	2095.7	2090.9	2067.0	2030.4	1973.0	1906.0	1794.5	1663.8	1520.4
20°	2068.6	2081.3	2078.2	2087.7	2092.5	2078.2	2039.9	1974.6	1877.4	1749.9	1588.9
22.5°	2024.0	2035.1	2031.9	2049.5	2076.6	2090.9	2078.2	2025.6	1926.8	1784.9	1627.1
25°	2027.2	2035.1	2011.2	2022.4	2057.4	2092.5	2094.1	2047.9	1941.1	1786.5	1624.0
27.5°	2097.3	2073.4	2019.2	2014.4	2057.4	2102.1	2105.3	2047.9	1920.4	1753.1	1592.1
30°	2149.9	2132.3	2071.8	2063.8	2105.3	2135.5	2119.6	2030.4	1871.0	1695.7	1545.9
32.5°	2124.4	2127.6	2102.1	2127.6	2181.8	2194.5	2127.6	1988.9	1802.5	1639.9	1491.7
35°	2121.2	2133.9	2148.3	2188.1	2224.8	2194.5	2087.7	1910.8	1729.1	1568.2	1407.2
37.5°	2140.3	2161.0	2181.8	2216.8	2216.8	2138.7	1982.5	1812.0	1641.5	1466.2	1231.9
40°	2170.6	2183.3	2189.7	2186.5	2143.5	2028.8	1863.0	1692.5	1529.9	1286.1	1115.6
42.5°	2130.8	2129.2	2122.8	2095.7	2016.0	1866.2	1711.6	1573.0	1316.4	1160.2	965.8
45°	1960.2	1960.2	1942.7	1899.7	1826.4	1702.1	1565.0	1362.6	1200.0	1008.8	717.2
47.5°	1483.7	1472.6	1491.7	1517.2	1517.2	1506.0	1381.7	1206.4	1040.7	728.3	229.5
50°	1284.5	1267.0	1243.1	1247.9	1244.7	1257.4	1177.7	1045.5	769.7	226.3	15.9
52.5°	726.7	758.6	836.7	946.6	996.1	1013.6	964.2	795.2	259.8	14.3	12.7
55°	219.9	226.3	256.6	315.5	428.7	548.2	556.2	258.2	17.5	12.7	12.7
57.5°	9.6	9.6	12.7	19.1	44.6	66.9	71.7	15.9	11.2	12.7	12.7
60°	9.6	9.6	9.6	9.6	9.6	9.6	11.2	11.2	11.2	11.2	12.7
62.5°	8.0	8.0	9.6	9.6	9.6	9.6	9.6	9.6	11.2	11.2	11.2
65°	8.0	8.0	8.0	8.0	8.0	8.0	9.6	9.6	9.6	9.6	11.2
67.5°	6.4	6.4	6.4	8.0	8.0	8.0	8.0	8.0	9.6	9.6	9.6
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.0	8.0	8.0	8.0
72.5°	4.8	4.8	4.8	4.8	4.8	6.4	6.4	6.4	6.4	6.4	8.0
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.4	6.4	6.4	6.4
77.5°	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8	4.8	4.8	4.8
80°	1.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1128.3	1115.6	1101.2	1040.7	981.7	902.0	847.8	831.9
5°	1196.9	1176.1	1144.3	1029.5	890.9	733.1	605.6	559.4
7.5°	1254.2	1222.4	1177.7	1013.6	782.5	497.2	320.3	270.9
10°	1295.7	1255.8	1198.4	984.9	639.1	274.1	108.4	81.3
12.5°	1330.7	1278.1	1209.6	941.9	465.4	111.6	55.8	55.8
15°	1354.6	1290.9	1214.4	881.3	301.2	59.0	52.6	52.6
17.5°	1388.1	1305.2	1214.4	796.8	164.1	51.0	51.0	51.0
20°	1442.3	1319.6	1196.9	690.1	90.8	47.8	49.4	49.4
22.5°	1471.0	1340.3	1174.5	565.8	57.4	46.2	47.8	47.8
25°	1477.3	1337.1	1126.7	446.2	46.2	44.6	46.2	47.8
27.5°	1455.0	1314.8	1063.0	325.1	41.4	43.0	46.2	47.8
30°	1415.2	1260.6	961.0	219.9	38.2	43.0	46.2	47.8
32.5°	1340.3	1129.9	841.5	132.3	36.7	43.0	46.2	49.4
35°	1172.9	992.9	704.4	57.4	35.1	43.0	47.8	49.4
37.5°	1051.8	855.8	545.0	28.7	35.1	43.0	47.8	51.0
40°	918.0	688.5	251.8	25.5	35.1	43.0	47.8	51.0
42.5°	699.6	318.7	30.3	25.5	33.5	43.0	49.4	51.0
45°	255.0	33.5	15.9	23.9	33.5	43.0	49.4	52.6
47.5°	19.1	12.7	14.3	23.9	33.5	43.0	49.4	52.6
50°	12.7	12.7	14.3	23.9	33.5	43.0	49.4	52.6
52.5°	12.7	14.3	14.3	22.3	31.9	43.0	49.4	52.6
55°	12.7	14.3	14.3	22.3	31.9	41.4	49.4	52.6
57.5°	12.7	12.7	14.3	20.7	30.3	39.8	49.4	51.0
60°	12.7	12.7	14.3	19.1	28.7	38.2	46.2	49.4
62.5°	12.7	12.7	12.7	17.5	27.1	36.7	44.6	47.8
65°	11.2	11.2	12.7	15.9	23.9	33.5	41.4	44.6
67.5°	9.6	11.2	11.2	14.3	22.3	30.3	38.2	41.4
70°	9.6	9.6	9.6	12.7	19.1	27.1	35.1	36.7
72.5°	8.0	8.0	9.6	11.2	17.5	23.9	31.9	33.5
75°	6.4	8.0	8.0	9.6	14.3	20.7	27.1	28.7
77.5°	6.4	6.4	6.4	8.0	12.7	17.5	22.3	23.9
80°	4.8	4.8	4.8	6.4	9.6	14.3	17.5	19.1
82.5°	3.2	4.8	4.8	4.8	8.0	9.6	12.7	14.3
85°	3.2	3.2	3.2	3.2	4.8	6.4	8.0	9.6
87.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)