

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: P1314859

Luminaire Tested: LDSQA3D17R609730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

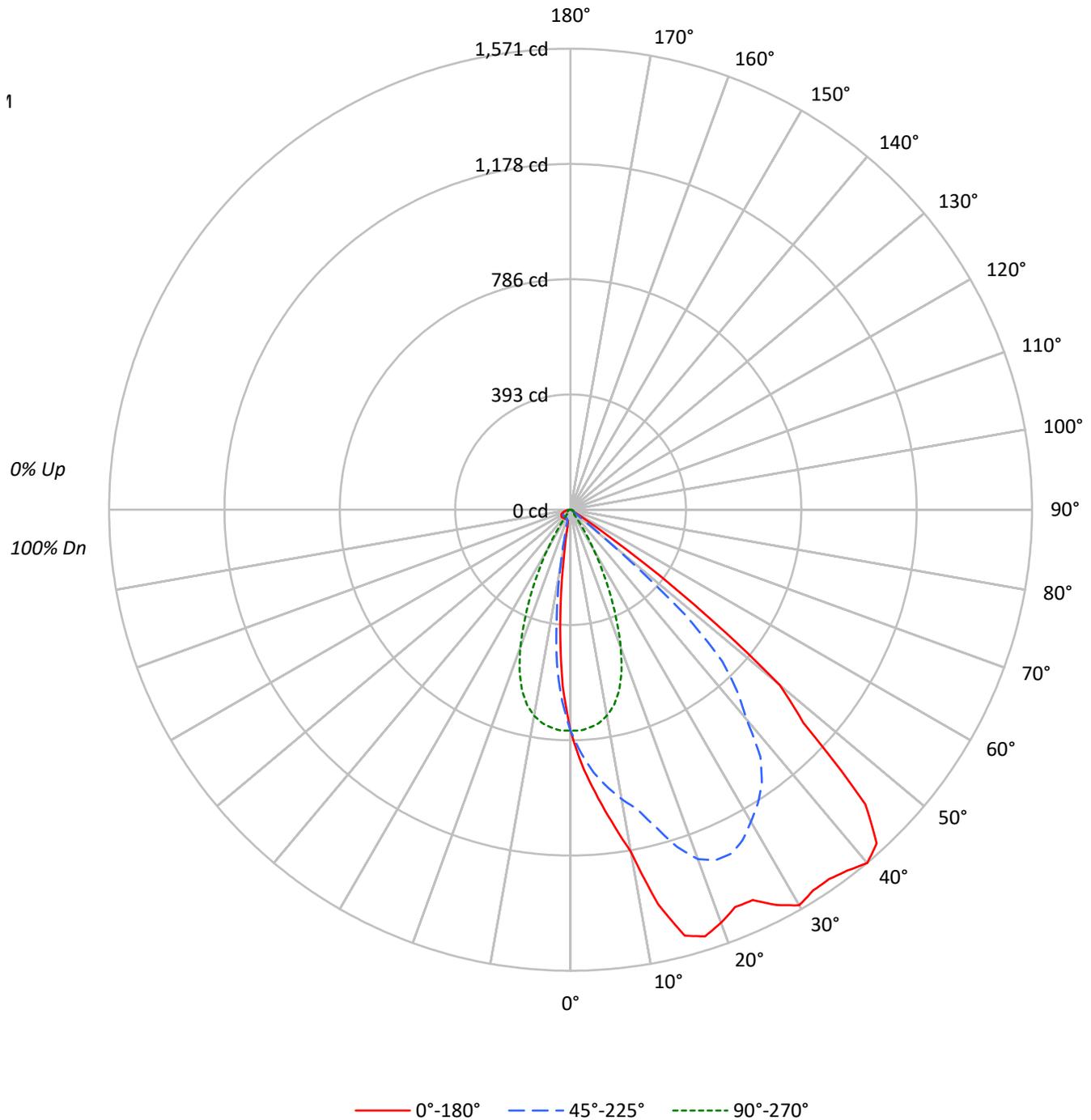
Test Method: LM-79-2019  
Report Number: P1314859  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1222.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 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): 21.2  
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	41	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°	129546	129546	129546	129546	129546
5°	167348	155368	128848	91748	70017
10°	206812	175124	124689	34696	10283
15°	267821	199337	113754	7613	6793
20°	274455	232173	91564	6341	6561
25°	278864	245761	61379	6138	6575
30°	309514	244127	31659	6205	6881
35°	322852	238691	8725	6560	7527
40°	353283	209331	4159	7014	8296
45°	345635	177872	4214	7599	9280
50°	249149	43887	4635	8359	10208
55°	47802	2762	4864	9008	11440
60°	2377	2790	4753	9541	12331
65°	2364	2812	4686	9862	13163
70°	2316	2921	4633	9869	13344
75°	2329	3061	4591	9981	13841
80°	1190	3471	4562	10315	13687
85°	2371	2371	4545	9090	13635

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 345635 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	5.4
10°-20°	180.6	14.8
20°-30°	278.0	22.7
30°-40°	326.2	26.7
40°-50°	261.5	21.4
50°-60°	81.2	6.6
60°-70°	15.4	1.3
70°-80°	10.2	0.8
80°-90°	3.6	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°	524.0	42.9
0°-40°	850.2	69.6
0°-60°	1192.9	97.6
0°-90°	1222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1222.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	752	752	752	752	752	
5°	968	899	745	531	405	99
15°	1502	1118	638	43	38	411
25°	1468	1293	323	32	35	693
35°	1536	1135	42	31	36	972
45°	1419	730	17	31	38	1016
55°	159	9	16	30	38	252
65°	6	7	12	24	32	5
75°	4	5	7	15	21	3
85°	1	1	2	5	7	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°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	867.6	858.4	858.4	854.9	851.4	852.6	843.4	846.8	837.6	830.7	824.9
5°	968.0	956.4	955.3	949.5	943.7	939.1	927.6	920.7	906.8	898.7	881.4
7.5°	1071.8	1062.6	1056.8	1049.9	1039.5	1028.0	1008.4	995.7	973.7	951.8	929.9
10°	1182.6	1174.5	1161.8	1153.7	1124.9	1106.4	1079.9	1062.6	1030.3	1001.4	968.0
12.5°	1376.4	1371.8	1347.5	1331.4	1289.9	1252.9	1195.3	1149.1	1091.4	1044.1	999.1
15°	1502.1	1496.4	1483.7	1468.7	1442.2	1400.6	1348.7	1284.1	1203.3	1118.0	1041.8
17.5°	1524.1	1525.2	1517.1	1513.7	1496.4	1469.8	1428.3	1379.8	1299.1	1204.5	1100.6
20°	1497.5	1506.8	1504.5	1511.4	1514.8	1504.5	1476.8	1429.5	1359.1	1266.8	1150.3
22.5°	1465.2	1473.3	1471.0	1483.7	1503.3	1513.7	1504.5	1466.4	1394.8	1292.2	1177.9
25°	1467.5	1473.3	1456.0	1464.1	1489.5	1514.8	1516.0	1482.5	1405.2	1293.3	1175.6
27.5°	1518.3	1501.0	1461.8	1458.3	1489.5	1521.8	1524.1	1482.5	1390.2	1269.1	1152.6
30°	1556.4	1543.7	1499.8	1494.1	1524.1	1546.0	1534.4	1469.8	1354.5	1227.6	1119.1
32.5°	1537.9	1540.2	1521.8	1540.2	1579.4	1588.7	1540.2	1439.8	1304.9	1187.2	1079.9
35°	1535.6	1544.8	1555.2	1584.1	1610.6	1588.7	1511.4	1383.3	1251.8	1135.3	1018.7
37.5°	1549.4	1564.4	1579.4	1604.8	1604.8	1548.3	1435.2	1311.8	1188.3	1061.4	891.8
40°	1571.4	1580.6	1585.2	1582.9	1551.8	1468.7	1348.7	1225.3	1107.6	931.1	807.6
42.5°	1542.5	1541.4	1536.8	1517.1	1459.5	1351.0	1239.1	1138.7	953.0	839.9	699.2
45°	1419.1	1419.1	1406.4	1375.2	1322.2	1232.2	1133.0	986.4	868.8	730.3	519.2
47.5°	1074.1	1066.0	1079.9	1098.3	1098.3	1090.3	1000.3	873.4	753.4	527.3	166.1
50°	929.9	917.2	899.9	903.4	901.1	910.3	852.6	756.8	557.2	163.8	11.5
52.5°	526.1	549.2	605.7	685.3	721.1	733.8	698.0	575.7	188.1	10.4	9.2
55°	159.2	163.8	185.7	228.4	310.4	396.9	402.6	186.9	12.7	9.2	9.2
57.5°	6.9	6.9	9.2	13.8	32.3	48.5	51.9	11.5	8.1	9.2	9.2
60°	6.9	6.9	6.9	6.9	6.9	6.9	8.1	8.1	8.1	8.1	9.2
62.5°	5.8	5.8	6.9	6.9	6.9	6.9	6.9	6.9	8.1	8.1	8.1
65°	5.8	5.8	5.8	5.8	5.8	5.8	6.9	6.9	6.9	6.9	8.1
67.5°	4.6	4.6	4.6	5.8	5.8	5.8	5.8	5.8	6.9	6.9	6.9
70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.8	5.8	5.8	5.8
72.5°	3.5	3.5	3.5	3.5	3.5	4.6	4.6	4.6	4.6	4.6	5.8
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6	4.6	4.6	4.6
77.5°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5
80°	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	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°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	816.8	807.6	797.2	753.4	710.7	653.0	613.8	602.2
5°	866.4	851.4	828.4	745.3	644.9	530.7	438.4	405.0
7.5°	908.0	884.9	852.6	733.8	566.5	360.0	231.9	196.1
10°	938.0	909.1	867.6	713.0	462.6	198.4	78.5	58.8
12.5°	963.4	925.3	875.7	681.8	336.9	80.8	40.4	40.4
15°	980.7	934.5	879.1	638.0	218.1	42.7	38.1	38.1
17.5°	1004.9	944.9	879.1	576.9	118.8	36.9	36.9	36.9
20°	1044.1	955.3	866.4	499.6	65.8	34.6	35.8	35.8
22.5°	1064.9	970.3	850.3	409.6	41.5	33.5	34.6	34.6
25°	1069.5	968.0	815.7	323.0	33.5	32.3	33.5	34.6
27.5°	1053.3	951.8	769.5	235.4	30.0	31.2	33.5	34.6
30°	1024.5	912.6	695.7	159.2	27.7	31.2	33.5	34.6
32.5°	970.3	818.0	609.2	95.8	26.5	31.2	33.5	35.8
35°	849.1	718.8	509.9	41.5	25.4	31.2	34.6	35.8
37.5°	761.5	619.5	394.6	20.8	25.4	31.2	34.6	36.9
40°	664.5	498.4	182.3	18.5	25.4	31.2	34.6	36.9
42.5°	506.5	230.7	21.9	18.5	24.2	31.2	35.8	36.9
45°	184.6	24.2	11.5	17.3	24.2	31.2	35.8	38.1
47.5°	13.8	9.2	10.4	17.3	24.2	31.2	35.8	38.1
50°	9.2	9.2	10.4	17.3	24.2	31.2	35.8	38.1
52.5°	9.2	10.4	10.4	16.2	23.1	31.2	35.8	38.1
55°	9.2	10.4	10.4	16.2	23.1	30.0	35.8	38.1
57.5°	9.2	9.2	10.4	15.0	21.9	28.8	35.8	36.9
60°	9.2	9.2	10.4	13.8	20.8	27.7	33.5	35.8
62.5°	9.2	9.2	9.2	12.7	19.6	26.5	32.3	34.6
65°	8.1	8.1	9.2	11.5	17.3	24.2	30.0	32.3
67.5°	6.9	8.1	8.1	10.4	16.2	21.9	27.7	30.0
70°	6.9	6.9	6.9	9.2	13.8	19.6	25.4	26.5
72.5°	5.8	5.8	6.9	8.1	12.7	17.3	23.1	24.2
75°	4.6	5.8	5.8	6.9	10.4	15.0	19.6	20.8
77.5°	4.6	4.6	4.6	5.8	9.2	12.7	16.2	17.3
80°	3.5	3.5	3.5	4.6	6.9	10.4	12.7	13.8
82.5°	2.3	3.5	3.5	3.5	5.8	6.9	9.2	10.4
85°	2.3	2.3	2.3	2.3	3.5	4.6	5.8	6.9
87.5°	1.2	1.2	2.3	2.3	2.3	2.3	2.3	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)