

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: P1315829

Luminaire Tested: LDSQA3D17R609735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315829  
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: LDSQA3D17R609735DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

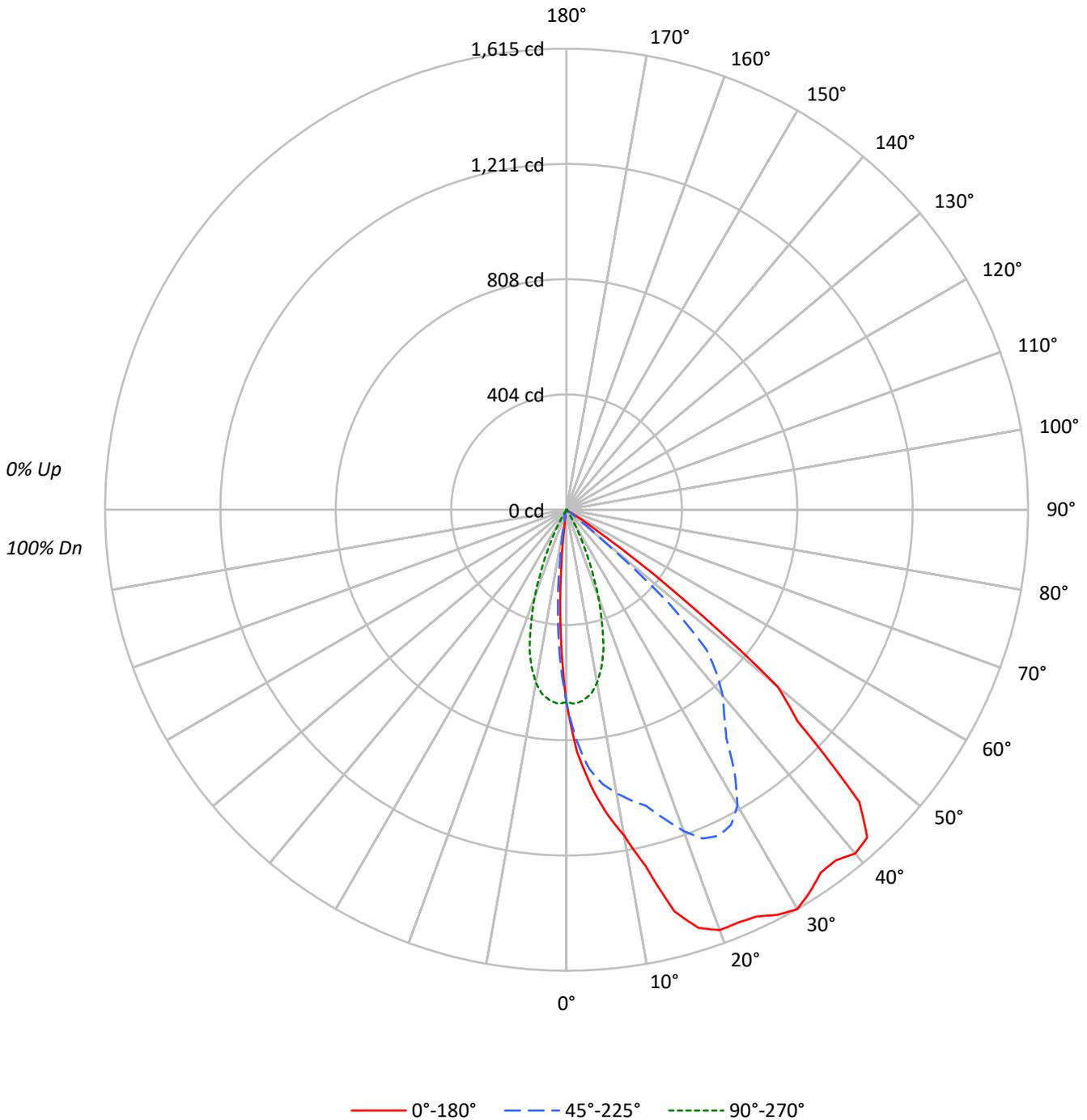
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1096.0 lumens  
Efficiency: N/A  
Efficacy: 51.7 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): 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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	116130	116130	116130	116130	116130
5°	167400	157650	115951	59748	38379
10°	202493	176261	107638	7135	4197
15°	259495	191474	89202	4707	3851
20°	287193	219472	59821	2639	440
25°	298684	239415	29416	228	0
30°	321168	237903	8114	0	0
35°	326174	204842	0	0	0
40°	353373	190985	0	0	0
45°	353015	168616	0	0	0
50°	258473	40833	0	0	0
55°	50444	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 353600 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.9	5.3
10°-20°	164.9	15.0
20°-30°	262.8	24.0
30°-40°	303.8	27.7
40°-50°	241.3	22.0
50°-60°	63.5	5.8
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	485.6	44.3
0°-40°	789.4	72.0
0°-60°	1094.2	99.8
0°-90°	1096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	674	674	674	674	674	
5°	968	912	671	346	222	98
15°	1455	1074	500	26	22	406
25°	1572	1260	155	1	0	733
35°	1551	974	0	0	0	985
45°	1449	692	0	0	0	1032
55°	168	0	0	0	0	253
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°	674.3	674.3	674.3	674.3	674.3	674.3	674.3	674.3	674.3	674.3	674.3
2.5°	848.3	856.7	853.1	849.5	841.1	837.5	837.5	827.9	812.3	809.9	799.1
5°	968.3	970.7	970.7	968.3	962.3	952.7	950.3	940.7	926.3	911.9	897.5
7.5°	1072.7	1071.5	1064.3	1059.5	1048.7	1035.5	1023.5	1010.3	988.7	969.5	949.1
10°	1157.9	1161.5	1155.5	1143.5	1129.1	1111.1	1091.9	1069.1	1036.7	1007.9	981.5
12.5°	1277.9	1276.7	1261.1	1240.7	1205.9	1172.3	1142.3	1117.1	1077.5	1042.7	1010.3
15°	1455.4	1453.0	1438.6	1420.7	1370.3	1319.9	1268.3	1197.5	1131.5	1073.9	1028.3
17.5°	1535.8	1540.6	1528.6	1519.0	1490.2	1456.6	1411.1	1340.3	1238.3	1133.9	1037.9
20°	1567.0	1573.0	1564.6	1563.4	1550.2	1534.6	1497.4	1420.7	1321.1	1197.5	1078.7
22.5°	1565.8	1570.6	1567.0	1582.6	1598.2	1589.8	1544.2	1467.4	1365.5	1246.7	1112.3
25°	1571.8	1568.2	1555.0	1577.8	1600.6	1593.4	1570.6	1504.6	1393.1	1259.9	1124.3
27.5°	1599.4	1573.0	1546.6	1575.4	1586.2	1588.6	1575.4	1497.4	1388.3	1245.5	1100.3
30°	1615.0	1586.2	1564.6	1588.6	1588.6	1601.8	1574.2	1485.4	1347.5	1196.3	1036.7
32.5°	1586.2	1580.2	1599.4	1623.4	1629.4	1629.4	1568.2	1445.8	1279.1	1095.5	934.7
35°	1551.4	1565.8	1621.0	1631.8	1631.8	1605.4	1531.0	1376.3	1177.1	974.3	859.1
37.5°	1547.8	1570.6	1631.8	1618.6	1597.0	1547.8	1439.8	1255.1	1031.9	905.9	802.7
40°	1571.8	1593.4	1629.4	1581.4	1529.8	1453.0	1323.5	1096.7	944.3	849.5	734.3
42.5°	1557.4	1577.8	1579.0	1508.2	1435.0	1330.7	1159.1	968.3	880.7	777.5	656.3
45°	1449.4	1451.8	1447.0	1371.5	1295.9	1187.9	1005.5	904.7	811.1	692.3	482.3
47.5°	1095.5	1090.7	1108.7	1087.1	1090.7	1025.9	913.1	830.3	718.7	485.9	146.4
50°	964.7	958.7	940.7	921.5	902.3	871.1	818.3	729.5	518.3	152.4	4.8
52.5°	517.1	545.9	602.3	688.7	721.1	718.7	679.1	539.9	163.2	1.2	0.0
55°	168.0	165.6	184.8	218.4	300.0	345.6	360.0	183.6	3.6	0.0	0.0
57.5°	0.0	0.0	0.0	3.6	12.0	31.2	40.8	2.4	0.0	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	674.3	674.3	674.3	674.3	674.3	674.3	674.3	674.3
2.5°	784.7	767.9	748.7	680.3	599.9	521.9	465.6	451.2
5°	874.7	845.9	805.1	670.7	495.5	345.6	247.2	222.0
7.5°	921.5	896.3	853.1	651.5	384.0	170.4	63.6	43.2
10°	950.3	920.3	872.3	615.5	250.8	40.8	22.8	24.0
12.5°	970.7	935.9	881.9	563.9	127.2	20.4	28.8	30.0
15°	979.1	941.9	880.7	500.3	45.6	26.4	25.2	21.6
17.5°	974.3	927.5	865.1	409.2	15.6	25.2	13.2	10.8
20°	968.3	915.5	839.9	326.4	13.2	14.4	4.8	2.4
22.5°	987.5	895.1	805.1	234.0	13.2	4.8	0.0	0.0
25°	989.9	886.7	760.7	154.8	6.0	1.2	0.0	0.0
27.5°	965.9	837.5	692.3	91.2	0.0	0.0	0.0	0.0
30°	889.1	776.3	619.1	40.8	0.0	0.0	0.0	0.0
32.5°	813.5	707.9	537.5	9.6	0.0	0.0	0.0	0.0
35°	753.5	637.1	447.6	0.0	0.0	0.0	0.0	0.0
37.5°	679.1	553.1	333.6	0.0	0.0	0.0	0.0	0.0
40°	601.1	446.4	166.8	0.0	0.0	0.0	0.0	0.0
42.5°	469.2	212.4	16.8	0.0	0.0	0.0	0.0	0.0
45°	180.0	19.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.6	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°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)