

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: P1316801

Luminaire Tested: LDSQA3D17R609740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316801
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: LDSQA3D17R609740DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

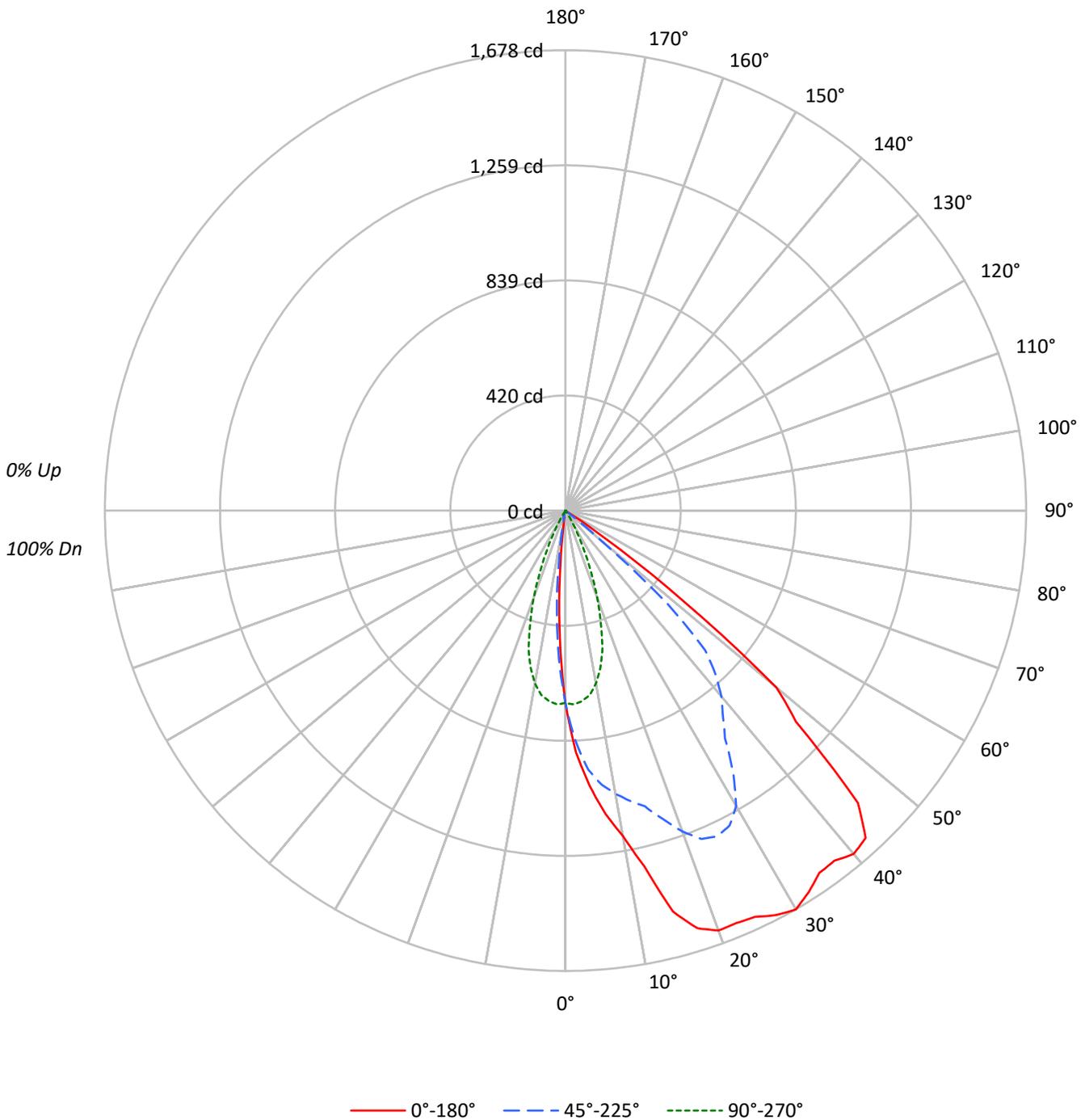
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.9 lumens
Efficiency: N/A
Efficacy: 53.7 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_{in}): 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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	74	74	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	60	60	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	120694	120694	120694	120694	120694
5°	173970	163839	120498	62081	39884
10°	210432	183169	111870	7415	4354
15°	269676	198981	92715	4885	3994
20°	298464	228086	62167	2749	458
25°	310409	248802	30575	228	0
30°	333776	247230	8432	0	0
35°	338978	212873	0	0	0
40°	367245	198472	0	0	0
45°	366874	175241	0	0	0
50°	268601	42440	0	0	0
55°	52426	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: 367483 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	5.3
10°-20°	171.4	15.0
20°-30°	273.1	24.0
30°-40°	315.7	27.7
40°-50°	250.7	22.0
50°-60°	66.0	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°	504.7	44.3
0°-40°	820.4	72.0
0°-60°	1137.1	99.8
0°-90°	1138.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	701	701	701	701	701	
5°	1006	948	697	359	231	102
15°	1512	1116	520	27	22	422
25°	1634	1309	161	1	0	762
35°	1612	1012	0	0	0	1024
45°	1506	720	0	0	0	1073
55°	175	0	0	0	0	263
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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	881.6	890.3	886.6	882.8	874.1	870.4	870.4	860.4	844.2	841.7	830.5
5°	1006.3	1008.8	1008.8	1006.3	1000.1	990.1	987.6	977.6	962.6	947.7	932.7
7.5°	1114.8	1113.5	1106.0	1101.1	1089.8	1076.1	1063.6	1049.9	1027.5	1007.5	986.3
10°	1203.3	1207.0	1200.8	1188.3	1173.4	1154.7	1134.7	1111.0	1077.4	1047.4	1020.0
12.5°	1328.0	1326.8	1310.5	1289.3	1253.2	1218.3	1187.1	1160.9	1119.8	1083.6	1049.9
15°	1512.5	1510.1	1495.1	1476.4	1424.0	1371.6	1318.0	1244.5	1175.9	1116.0	1068.6
17.5°	1596.1	1601.1	1588.6	1578.6	1548.7	1513.8	1466.4	1392.8	1286.9	1178.4	1078.6
20°	1628.5	1634.8	1626.0	1624.8	1611.1	1594.8	1556.2	1476.4	1372.9	1244.5	1121.0
22.5°	1627.3	1632.3	1628.5	1644.7	1660.9	1652.2	1604.8	1525.0	1419.0	1295.6	1155.9
25°	1633.5	1629.8	1616.0	1639.7	1663.4	1655.9	1632.3	1563.7	1447.7	1309.3	1168.4
27.5°	1662.2	1634.8	1607.3	1637.2	1648.5	1651.0	1637.2	1556.2	1442.7	1294.3	1143.5
30°	1678.4	1648.5	1626.0	1651.0	1651.0	1664.7	1636.0	1543.7	1400.3	1243.2	1077.4
32.5°	1648.5	1642.2	1662.2	1687.1	1693.4	1693.4	1629.8	1502.6	1329.2	1138.5	971.4
35°	1612.3	1627.3	1684.6	1695.9	1695.9	1668.4	1591.1	1430.3	1223.3	1012.5	892.8
37.5°	1608.6	1632.3	1695.9	1682.1	1659.7	1608.6	1496.3	1304.3	1072.4	941.4	834.2
40°	1633.5	1655.9	1693.4	1643.5	1589.9	1510.1	1375.4	1139.7	981.3	882.8	763.1
42.5°	1618.5	1639.7	1641.0	1567.4	1491.4	1382.9	1204.6	1006.3	915.3	808.0	682.1
45°	1506.3	1508.8	1503.8	1425.3	1346.7	1234.5	1044.9	940.2	842.9	719.5	501.3
47.5°	1138.5	1133.5	1152.2	1129.7	1133.5	1066.1	948.9	862.9	746.9	505.0	152.1
50°	1002.5	996.3	977.6	957.7	937.7	905.3	850.4	758.1	538.7	158.4	5.0
52.5°	537.4	567.4	626.0	715.7	749.4	746.9	705.8	561.1	169.6	1.2	0.0
55°	174.6	172.1	192.0	226.9	311.7	359.1	374.1	190.8	3.7	0.0	0.0
57.5°	0.0	0.0	0.0	3.7	12.5	32.4	42.4	2.5	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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	815.5	798.0	778.1	707.0	623.5	542.4	483.8	468.9
5°	909.0	879.1	836.7	697.0	515.0	359.1	256.9	230.7
7.5°	957.7	931.5	886.6	677.1	399.0	177.1	66.1	44.9
10°	987.6	956.4	906.5	639.7	260.6	42.4	23.7	24.9
12.5°	1008.8	972.6	916.5	586.1	132.2	21.2	29.9	31.2
15°	1017.5	978.9	915.3	520.0	47.4	27.4	26.2	22.4
17.5°	1012.5	963.9	899.1	425.2	16.2	26.2	13.7	11.2
20°	1006.3	951.4	872.9	339.2	13.7	15.0	5.0	2.5
22.5°	1026.2	930.2	836.7	243.2	13.7	5.0	0.0	0.0
25°	1028.7	921.5	790.6	160.9	6.2	1.2	0.0	0.0
27.5°	1003.8	870.4	719.5	94.8	0.0	0.0	0.0	0.0
30°	924.0	806.8	643.4	42.4	0.0	0.0	0.0	0.0
32.5°	845.4	735.7	558.6	10.0	0.0	0.0	0.0	0.0
35°	783.1	662.1	465.1	0.0	0.0	0.0	0.0	0.0
37.5°	705.8	574.8	346.7	0.0	0.0	0.0	0.0	0.0
40°	624.7	463.9	173.3	0.0	0.0	0.0	0.0	0.0
42.5°	487.6	220.7	17.5	0.0	0.0	0.0	0.0	0.0
45°	187.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10.0	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)