

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: P1320329

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

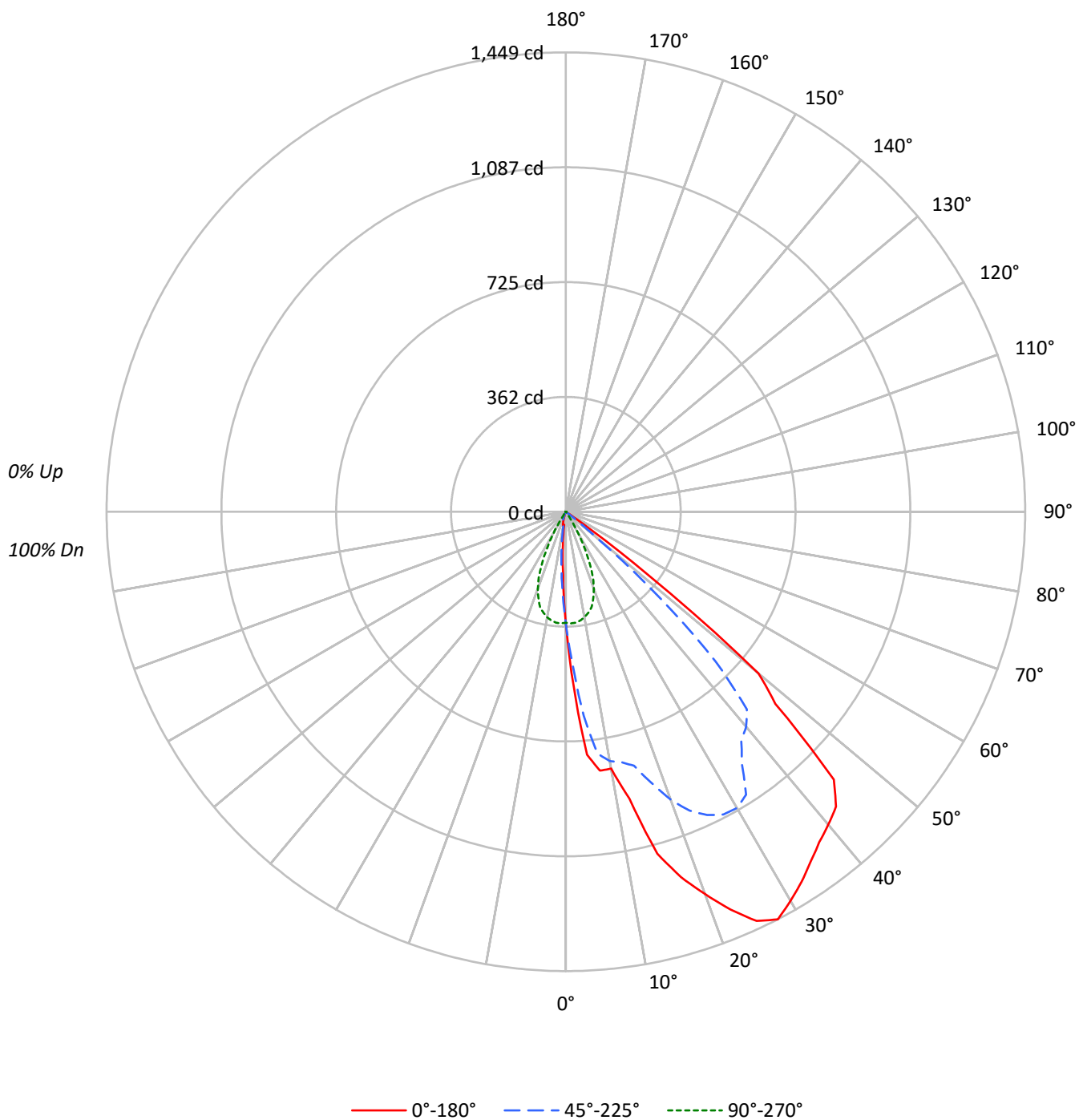
Lumens per Lamp: N/A
Luminaire Lumens: 943.0 lumens
Efficiency: N/A
Efficacy: 46.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	60278	60278	60278	60278	60278
5°	132980	111577	60733	27609	18170
10°	143821	139624	59109	7677	7905
15°	199070	147809	55754	7827	5688
20°	235106	177062	47322	4637	1704
25°	270579	200535	33388	760	0
30°	281832	214616	15352	0	0
35°	283137	203391	841	0	0
40°	289592	198944	0	0	0
45°	291054	163039	0	0	0
50°	212496	33866	0	0	0
55°	11980	0	0	0	0
60°	0	448	448	0	0
65°	0	0	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 296558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.1
10°-20°	127.9	13.6
20°-30°	229.8	24.4
30°-40°	279.4	29.6
40°-50°	215.7	22.9
50°-60°	50.2	5.3
60°-70°	0.3	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°	396.0	42.0
0°-40°	675.3	71.6
0°-60°	941.2	99.8
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	350	350	350	350	350	
5°	769	645	351	160	105	73
15°	1116	829	313	44	32	312
25°	1424	1055	176	4	0	648
35°	1347	967	4	0	0	846
45°	1195	669	0	0	0	845
55°	40	0	0	0	0	164
65°	0	0	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°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
2.5°	545.6	545.6	548.3	546.9	535.0	529.6	512.3	503.0	500.4	479.1	471.1
5°	769.2	770.5	763.8	762.5	749.2	739.9	725.2	702.6	680.0	645.4	614.8
7.5°	823.7	822.4	821.1	821.1	818.4	813.1	806.4	799.8	790.4	769.2	745.2
10°	822.4	822.4	821.1	821.1	819.7	821.1	819.7	815.7	811.7	798.4	785.1
12.5°	926.2	918.2	907.6	891.6	865.0	845.0	822.4	815.7	813.1	809.1	801.1
15°	1116.5	1109.8	1087.2	1059.3	1032.6	987.4	951.5	902.2	863.6	829.0	811.7
17.5°	1208.3	1212.3	1187.0	1169.7	1144.4	1108.5	1065.9	1015.3	960.8	895.6	843.7
20°	1282.8	1286.8	1265.5	1248.2	1218.9	1181.7	1144.4	1089.9	1038.0	966.1	898.2
22.5°	1358.7	1361.3	1341.4	1316.1	1282.8	1244.2	1196.3	1140.4	1084.5	1020.7	948.8
25°	1423.9	1421.2	1387.9	1352.0	1320.1	1278.8	1232.3	1177.7	1124.5	1055.3	987.4
27.5°	1449.2	1447.8	1410.6	1376.0	1338.7	1282.8	1241.6	1193.7	1137.8	1076.6	1007.4
30°	1417.2	1438.5	1414.6	1389.3	1344.0	1288.1	1248.2	1191.0	1139.1	1079.2	1000.7
32.5°	1384.0	1410.6	1402.6	1390.6	1337.4	1293.5	1241.6	1188.3	1127.1	1057.9	938.2
35°	1346.7	1374.6	1376.0	1362.7	1314.8	1270.8	1222.9	1167.0	1097.8	967.4	879.6
37.5°	1313.4	1340.0	1348.0	1320.1	1282.8	1224.3	1180.4	1121.8	996.7	908.9	863.6
40°	1288.1	1308.1	1320.1	1276.2	1238.9	1181.7	1131.1	1028.6	915.5	884.9	821.1
42.5°	1261.5	1280.2	1285.5	1237.6	1180.4	1125.8	1052.6	923.5	890.3	845.0	673.3
45°	1195.0	1217.6	1204.3	1157.7	1115.1	1057.9	948.8	892.9	857.0	669.4	413.9
47.5°	896.9	922.2	958.1	971.4	986.1	944.8	884.9	865.0	704.0	405.9	129.1
50°	793.1	789.1	789.1	795.8	807.7	821.1	838.4	729.2	423.2	126.4	0.0
52.5°	323.4	339.3	417.8	488.4	569.5	650.7	676.0	447.1	165.0	2.7	0.0
55°	39.9	39.9	55.9	95.8	158.4	255.5	287.4	143.7	12.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.6	29.3	20.0	5.3	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
2.5°	457.8	441.8	419.2	352.6	295.4	244.9	215.6	200.9
5°	585.5	546.9	495.0	351.3	239.5	159.7	119.8	105.1
7.5°	707.9	664.0	576.2	346.0	183.6	93.2	51.9	41.3
10°	761.2	729.2	650.7	338.0	133.1	43.9	43.9	45.2
12.5°	782.5	758.5	694.6	326.0	87.8	42.6	45.2	42.6
15°	797.1	774.5	715.9	312.7	50.6	43.9	35.9	31.9
17.5°	805.1	778.5	722.6	287.4	33.3	37.3	22.6	18.6
20°	830.4	787.8	727.9	258.2	31.9	25.3	12.0	9.3
22.5°	873.0	806.4	729.2	222.2	25.3	14.6	4.0	0.0
25°	911.5	831.7	733.2	175.7	8.0	4.0	0.0	0.0
27.5°	930.2	839.7	731.9	123.8	0.0	0.0	0.0	0.0
30°	907.6	819.7	719.9	77.2	0.0	0.0	0.0	0.0
32.5°	854.3	805.1	682.7	33.3	0.0	0.0	0.0	0.0
35°	837.0	773.2	597.5	4.0	0.0	0.0	0.0	0.0
37.5°	798.4	681.3	439.1	0.0	0.0	0.0	0.0	0.0
40°	686.7	492.4	208.9	0.0	0.0	0.0	0.0	0.0
42.5°	453.8	210.3	12.0	0.0	0.0	0.0	0.0	0.0
45°	159.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.7	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°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)