

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: P1326901

Luminaire Tested: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

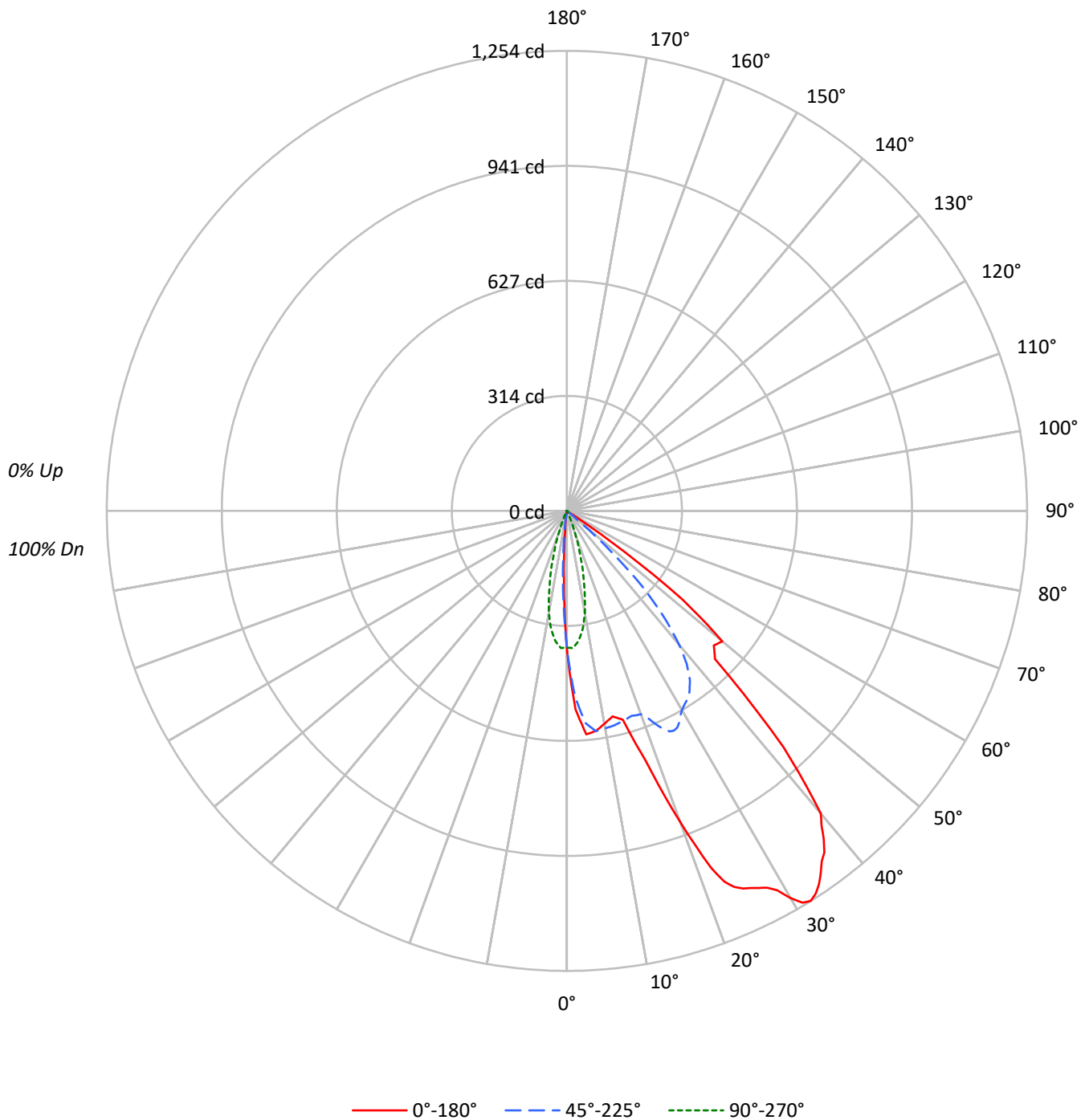
Lumens per Lamp: N/A
Luminaire Lumens: 600.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74	
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66	
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48	
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	64153	64153	64153	64153	64153
5°	105716	100323	61649	18308	9163
10°	103021	105277	49403	927	1242
15°	105035	105659	29597	945	321
20°	165571	108188	12188	0	0
25°	215832	126045	2907	0	0
30°	242258	124649	119	0	0
35°	253534	122741	0	0	0
40°	241862	106632	0	0	0
45°	138902	70389	0	0	0
50°	148219	8038	0	0	0
55°	42247	0	0	0	0
60°	0	0	207	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1190	595	0
85°	0	1186	2371	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 153369 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	5.2
10°-20°	78.8	13.1
20°-30°	151.4	25.2
30°-40°	176.2	29.4
40°-50°	126.1	21.0
50°-60°	35.1	5.9
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	261.5	43.6
0°-40°	437.7	73.0
0°-60°	599.0	99.8
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	612	580	357	106	53	56
15°	589	593	166	5	2	190
25°	1136	663	15	0	0	517
35°	1206	584	0	0	0	746
45°	570	289	0	0	0	536
55°	141	0	0	0	0	177
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°	45°	67.5°	90°
0°	372.5	372.5	372.5	372.5	372.5	372.5	372.5	372.5	372.5	372.5	372.5
2.5°	541.4	544.4	545.0	537.9	539.1	529.1	529.7	522.6	505.5	446.1	374.3
5°	611.5	609.7	611.5	609.1	611.5	605.6	602.0	599.1	580.3	496.1	356.6
7.5°	605.0	602.6	606.2	607.3	611.5	609.7	610.3	612.1	605.6	523.2	326.6
10°	589.1	588.5	590.3	590.3	595.0	595.6	597.9	601.5	602.0	532.6	282.5
12.5°	573.8	572.0	572.0	571.4	573.8	573.2	579.1	587.3	598.5	526.7	221.9
15°	589.1	587.3	585.0	578.5	573.8	568.5	569.1	574.4	592.6	511.4	166.0
17.5°	712.7	703.3	691.5	670.9	649.1	611.5	589.1	575.0	585.6	487.9	110.6
20°	903.4	899.2	880.4	846.9	811.6	756.2	687.4	632.1	590.3	458.5	66.5
21°	975.8	973.4	953.4	922.2	882.2	815.1	744.5	678.0	599.7	446.1	52.4
22°	1049.9	1041.1	1025.2	990.5	948.7	881.6	802.7	729.2	618.5	430.2	40.0
23°	1097.6	1092.3	1075.2	1047.6	1007.5	942.2	861.6	781.5	636.8	412.5	30.0
24°	1122.3	1120.5	1107.0	1087.6	1053.4	986.9	910.4	828.0	652.1	392.0	21.8
25°	1135.8	1129.9	1121.7	1107.6	1081.7	1024.0	955.7	868.6	663.3	371.4	15.3
26°	1144.1	1140.5	1127.6	1115.2	1090.5	1043.4	985.2	893.4	666.2	346.0	10.6
27°	1153.5	1145.2	1132.9	1118.2	1090.5	1049.3	996.4	904.0	662.7	320.2	7.1
28°	1163.5	1157.6	1140.5	1121.7	1088.8	1049.3	992.2	889.8	652.1	295.4	4.1
29°	1182.9	1175.3	1154.1	1126.4	1089.3	1048.1	976.3	860.4	637.9	267.8	2.4
30°	1218.2	1202.3	1176.4	1137.6	1093.5	1045.8	949.9	816.3	626.8	236.6	0.6
31°	1245.9	1237.1	1207.0	1158.2	1105.2	1039.3	918.7	772.7	619.1	209.5	0.0
32°	1253.5	1247.1	1225.3	1179.4	1125.2	1034.0	883.4	730.3	613.2	179.5	0.0
33°	1244.7	1240.6	1217.6	1175.9	1130.5	1027.0	842.8	688.6	606.8	152.4	0.0
34°	1228.2	1222.9	1202.9	1160.5	1117.0	996.4	803.9	656.8	597.3	127.1	0.0
35°	1205.9	1201.7	1181.1	1139.4	1092.3	948.7	765.1	635.6	583.8	101.8	0.0
36°	1181.7	1180.6	1154.1	1112.9	1060.5	902.8	718.0	619.7	570.3	80.6	0.0
37°	1165.8	1160.0	1131.1	1090.5	1022.8	849.2	680.3	614.4	551.4	62.4	0.0
38°	1137.0	1138.2	1105.2	1068.2	984.6	802.7	649.7	610.3	530.3	45.3	0.0
39°	1102.9	1103.5	1069.3	1037.5	939.3	753.9	624.4	606.2	503.8	28.8	0.0
40°	1075.8	1075.2	1036.4	1002.2	890.4	708.0	610.9	600.3	474.3	16.5	0.0
42.5°	874.5	878.1	882.8	896.9	775.7	627.4	597.9	567.3	390.8	0.0	0.0
45°	570.3	583.8	587.3	629.7	629.1	594.4	567.3	508.5	289.0	0.0	0.0
47.5°	542.6	546.7	554.4	570.9	579.7	562.6	507.3	424.9	157.7	0.0	0.0
50°	553.2	552.6	554.4	554.4	538.5	494.4	416.1	313.7	30.0	0.0	0.0
52.5°	397.2	412.0	427.8	434.9	414.3	367.8	303.7	184.2	0.0	0.0	0.0
55°	140.7	135.9	132.4	144.8	141.8	159.5	131.8	43.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.4	5.3	7.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	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):

	112.5°	135°	157.5°	180°
0°	372.5	372.5	372.5	372.5
2.5°	298.4	228.9	185.4	188.3
5°	209.5	105.9	65.3	53.0
7.5°	125.4	32.4	6.5	5.3
10°	58.9	5.3	5.9	7.1
12.5°	17.7	4.7	6.5	5.9
15°	4.7	5.3	2.9	1.8
17.5°	1.8	2.4	0.0	0.0
20°	1.2	0.0	0.0	0.0
21°	1.2	0.0	0.0	0.0
22°	0.6	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)