

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: P1326847

Luminaire Tested: LDSQA3D09R50W2N902750DE010 3LSQCA30R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326847
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: LDSQA3D09R50W2N902750DE010 3LSQCA30R 1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

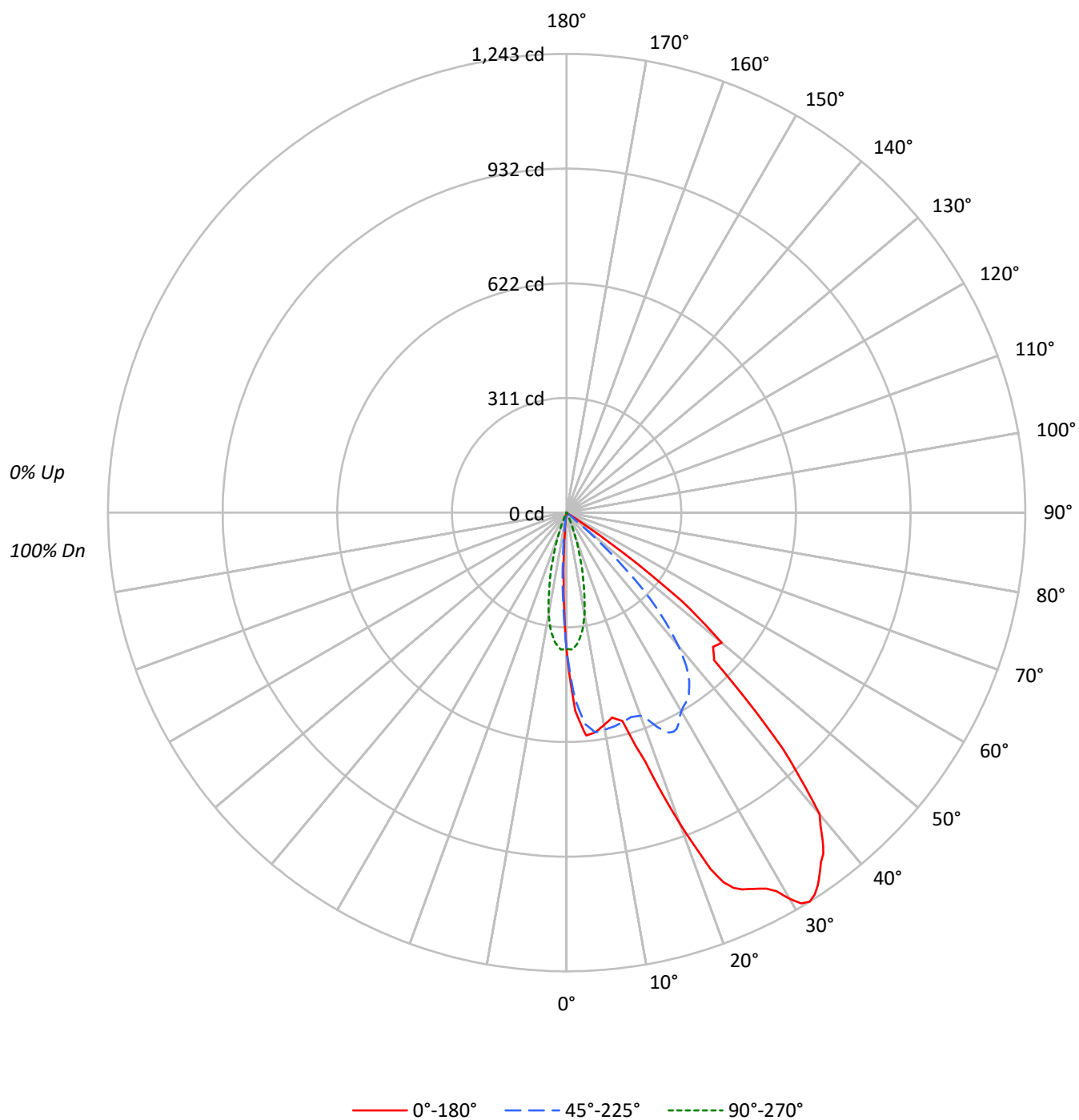
Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	63619	63619	63619	63619	63619
5°	104835	99475	61148	18152	9076
10°	102165	104403	48984	927	1224
15°	104162	104786	29348	945	321
20°	164178	107289	12078	0	0
25°	214046	124981	2888	0	0
30°	240250	123595	119	0	0
35°	251411	121711	0	0	0
40°	239839	105756	0	0	0
45°	137733	69804	0	0	0
50°	146987	7984	0	0	0
55°	41886	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: 152103 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	5.2
10°-20°	78.2	13.1
20°-30°	150.1	25.2
30°-40°	174.8	29.4
40°-50°	125.1	21.0
50°-60°	34.8	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°	259.3	43.6
0°-40°	434.1	73.0
0°-60°	594.0	99.8
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	369	369	369	369	369	
5°	606	575	354	105	52	56
15°	584	588	165	5	2	189
25°	1126	658	15	0	0	512
35°	1196	579	0	0	0	740
45°	566	287	0	0	0	532
55°	140	0	0	0	0	176
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°	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4
2.5°	536.9	539.8	540.4	533.4	534.6	524.7	525.2	518.2	501.3	442.4	371.2
5°	606.4	604.6	606.4	604.0	606.4	600.5	597.0	594.1	575.4	492.0	353.7
7.5°	600.0	597.6	601.1	602.3	606.4	604.6	605.2	607.0	600.5	518.8	323.9
10°	584.2	583.6	585.4	585.4	590.0	590.6	592.9	596.4	597.0	528.2	280.1
12.5°	569.0	567.3	567.3	566.7	569.0	568.4	574.3	582.4	593.5	522.3	220.0
15°	584.2	582.4	580.1	573.7	569.0	563.8	564.4	569.6	587.7	507.2	164.6
17.5°	706.8	697.4	685.7	665.3	643.7	606.4	584.2	570.2	580.7	483.8	109.7
20°	895.8	891.8	873.1	839.8	804.8	749.9	681.7	626.8	585.4	454.6	65.9
21°	967.6	965.3	945.4	914.5	874.8	808.3	738.3	672.3	594.7	442.4	51.9
22°	1041.2	1032.4	1016.6	982.2	940.8	874.2	796.0	723.1	613.4	426.6	39.7
23°	1088.4	1083.2	1066.3	1038.8	999.1	934.4	854.4	775.0	631.5	409.1	29.8
24°	1112.9	1111.2	1097.8	1078.5	1044.7	978.7	902.8	821.1	646.6	388.7	21.6
25°	1126.4	1120.5	1112.4	1098.4	1072.7	1015.5	947.8	861.4	657.7	368.3	15.2
26°	1134.5	1131.0	1118.2	1105.9	1081.4	1034.7	977.0	885.9	660.6	343.2	10.5
27°	1143.9	1135.7	1123.4	1108.9	1081.4	1040.6	988.1	896.4	657.1	317.5	7.0
28°	1153.8	1148.0	1131.0	1112.4	1079.7	1040.6	984.0	882.4	646.6	293.0	4.1
29°	1173.1	1165.5	1144.5	1117.0	1080.3	1039.4	968.2	853.2	632.6	265.5	2.3
30°	1208.1	1192.3	1166.6	1128.1	1084.3	1037.1	941.9	809.5	621.5	234.6	0.6
31°	1235.5	1226.7	1197.0	1148.5	1096.0	1030.7	911.0	766.3	614.0	207.8	0.0
32°	1243.1	1236.7	1215.1	1169.6	1115.9	1025.4	876.0	724.3	608.1	178.0	0.0
33°	1234.3	1230.2	1207.5	1166.1	1121.1	1018.4	835.7	682.8	601.7	151.2	0.0
34°	1218.0	1212.7	1192.9	1150.9	1107.7	988.1	797.2	651.3	592.4	126.1	0.0
35°	1195.8	1191.7	1171.3	1129.9	1083.2	940.8	758.7	630.3	578.9	101.0	0.0
36°	1171.9	1170.7	1144.5	1103.6	1051.7	895.3	712.0	614.5	565.5	80.0	0.0
37°	1156.1	1150.3	1121.7	1081.4	1014.3	842.1	674.7	609.3	546.8	61.9	0.0
38°	1127.5	1128.7	1096.0	1059.3	976.4	796.0	644.3	605.2	525.8	44.9	0.0
39°	1093.7	1094.3	1060.4	1028.9	931.4	747.6	619.2	601.1	499.6	28.6	0.0
40°	1066.8	1066.3	1027.7	993.9	883.0	702.1	605.8	595.3	470.4	16.3	0.0
42.5°	867.2	870.7	875.4	889.4	769.2	622.1	592.9	562.6	387.5	0.0	0.0
45°	565.5	578.9	582.4	624.5	623.9	589.4	562.6	504.2	286.6	0.0	0.0
47.5°	538.1	542.2	549.8	566.1	574.9	557.9	503.1	421.4	156.4	0.0	0.0
50°	548.6	548.0	549.8	549.8	534.0	490.2	412.6	311.1	29.8	0.0	0.0
52.5°	393.9	408.5	424.3	431.3	410.9	364.8	301.1	182.7	0.0	0.0	0.0
55°	139.5	134.8	131.3	143.6	140.6	158.2	130.7	42.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.3	5.3	7.0	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°	369.4	369.4	369.4	369.4
2.5°	295.9	227.0	183.8	186.8
5°	207.8	105.0	64.8	52.5
7.5°	124.3	32.1	6.4	5.3
10°	58.4	5.3	5.8	7.0
12.5°	17.5	4.7	6.4	5.8
15°	4.7	5.3	2.9	1.8
17.5°	1.8	2.3	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)