

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: P1326953

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

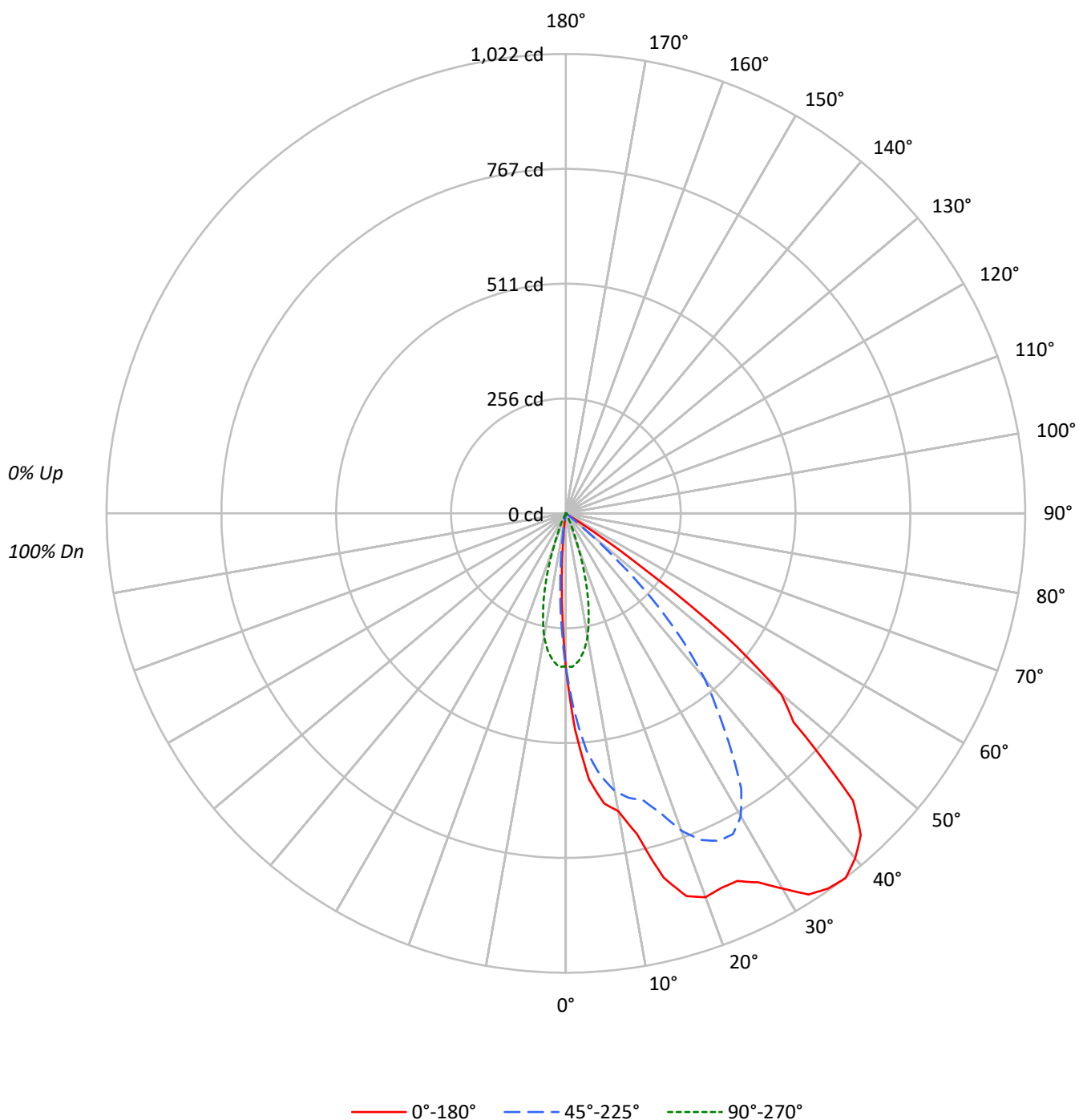
Lumens per Lamp: N/A
Luminaire Lumens: 630.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	58625	58625	58625	58625	58625
5°	102760	91609	56912	23650	13606
10°	117624	109649	48669	2588	927
15°	149467	117695	33360	535	321
20°	166561	137695	14644	0	0
25°	171461	152781	4162	0	0
30°	191567	154817	597	0	0
35°	214093	134431	0	0	0
40°	225203	108206	0	0	0
45°	220178	68343	0	0	0
50°	167671	13959	0	0	0
55°	54918	0	0	0	0
60°	0	0	0	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	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 220178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	4.9
10°-20°	91.2	14.5
20°-30°	148.2	23.5
30°-40°	176.2	28.0
40°-50°	144.1	22.9
50°-60°	38.2	6.1
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.5	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°	270.5	42.9
0°-40°	446.7	70.9
0°-60°	628.9	99.8
0°-90°	630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	340	340	340	340	340	
5°	594	530	329	137	79	58
15°	838	660	187	3	2	234
25°	902	804	22	0	0	425
35°	1018	639	0	0	0	633
45°	904	281	0	0	0	649
55°	183	0	0	0	0	206
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°	67.5°
0°	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4
2.5°	483.1	479.6	480.1	478.4	480.1	472.5	464.2	456.5	450.5	442.3	391.9
5°	594.4	588.5	586.7	584.3	582.0	572.5	564.8	555.3	544.1	529.9	437.5
7.5°	650.7	645.9	643.6	644.7	639.4	635.9	625.8	615.1	603.3	587.9	471.9
10°	672.6	667.8	667.2	666.6	666.0	663.7	658.9	649.5	638.8	627.0	491.4
12.5°	730.0	719.3	712.2	703.9	693.9	680.8	670.2	661.9	657.8	648.3	500.3
15°	838.3	828.3	820.6	809.9	791.0	763.1	737.7	705.1	676.7	660.1	496.7
17.5°	892.8	888.1	881.6	874.4	861.4	841.3	815.2	780.9	744.8	698.0	479.6
20°	908.8	906.4	901.7	898.7	889.8	875.6	857.9	831.2	797.5	751.3	452.9
22.5°	902.3	904.0	906.4	914.1	915.3	905.2	888.7	863.2	828.9	786.2	412.1
25°	902.3	901.1	901.1	917.1	927.1	922.4	910.6	887.5	852.5	804.0	361.7
27.5°	925.4	918.3	903.5	920.0	936.6	934.8	924.2	896.9	857.9	804.6	300.2
30°	963.3	947.9	923.6	939.0	954.4	947.9	930.7	895.8	846.0	778.5	225.0
32.5°	1005.3	998.2	985.8	995.8	993.4	967.4	936.6	888.1	821.8	726.4	151.6
35°	1018.3	1019.5	1011.2	1009.4	995.8	969.2	936.6	866.2	770.8	639.4	90.0
37.5°	1022.5	1023.0	1010.0	993.4	973.3	941.9	902.9	821.2	676.7	555.3	48.0
40°	1001.7	1001.1	979.8	959.7	937.2	906.4	849.6	726.4	587.3	481.3	17.2
42.5°	971.0	963.3	943.1	918.3	891.0	852.5	763.7	613.4	510.3	385.4	1.2
45°	904.0	896.9	881.0	854.3	824.1	769.7	629.3	526.9	415.0	280.6	0.0
47.5°	687.4	683.8	700.4	703.9	703.3	641.2	525.1	429.8	304.9	163.4	0.0
50°	625.8	621.1	604.5	583.2	545.3	493.2	420.9	318.5	178.8	52.1	0.0
52.5°	449.4	464.8	468.3	452.3	416.8	365.3	290.1	183.5	62.2	0.0	0.0
55°	182.9	173.5	180.6	189.5	196.6	180.6	133.8	65.1	0.6	0.0	0.0
57.5°	0.0	0.6	3.6	8.3	13.6	17.2	18.4	1.2	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	0.0	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	0.6	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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):

	90°	112.5°	135°	157.5°	180°
0°	340.4	340.4	340.4	340.4	340.4
2.5°	341.6	288.9	238.0	210.2	196.6
5°	329.2	220.8	136.8	94.7	78.7
7.5°	308.5	151.6	54.5	22.5	16.0
10°	278.3	87.0	14.8	5.9	5.3
12.5°	235.0	39.7	5.3	4.1	4.1
15°	187.1	13.6	3.0	2.4	1.8
17.5°	131.4	3.6	1.2	0.0	0.0
20°	79.9	0.6	0.0	0.0	0.0
22.5°	44.4	0.0	0.0	0.0	0.0
25°	21.9	0.0	0.0	0.0	0.0
27.5°	9.5	0.0	0.0	0.0	0.0
30°	3.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.0	0.0	0.0
67.5°	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.0	0.0	0.0
77.5°	1.2	0.6	0.6	0.0	0.0
80°	1.2	0.6	0.6	0.0	0.0
82.5°	1.2	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.0	0.0
87.5°	1.2	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)