

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: P1326989

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

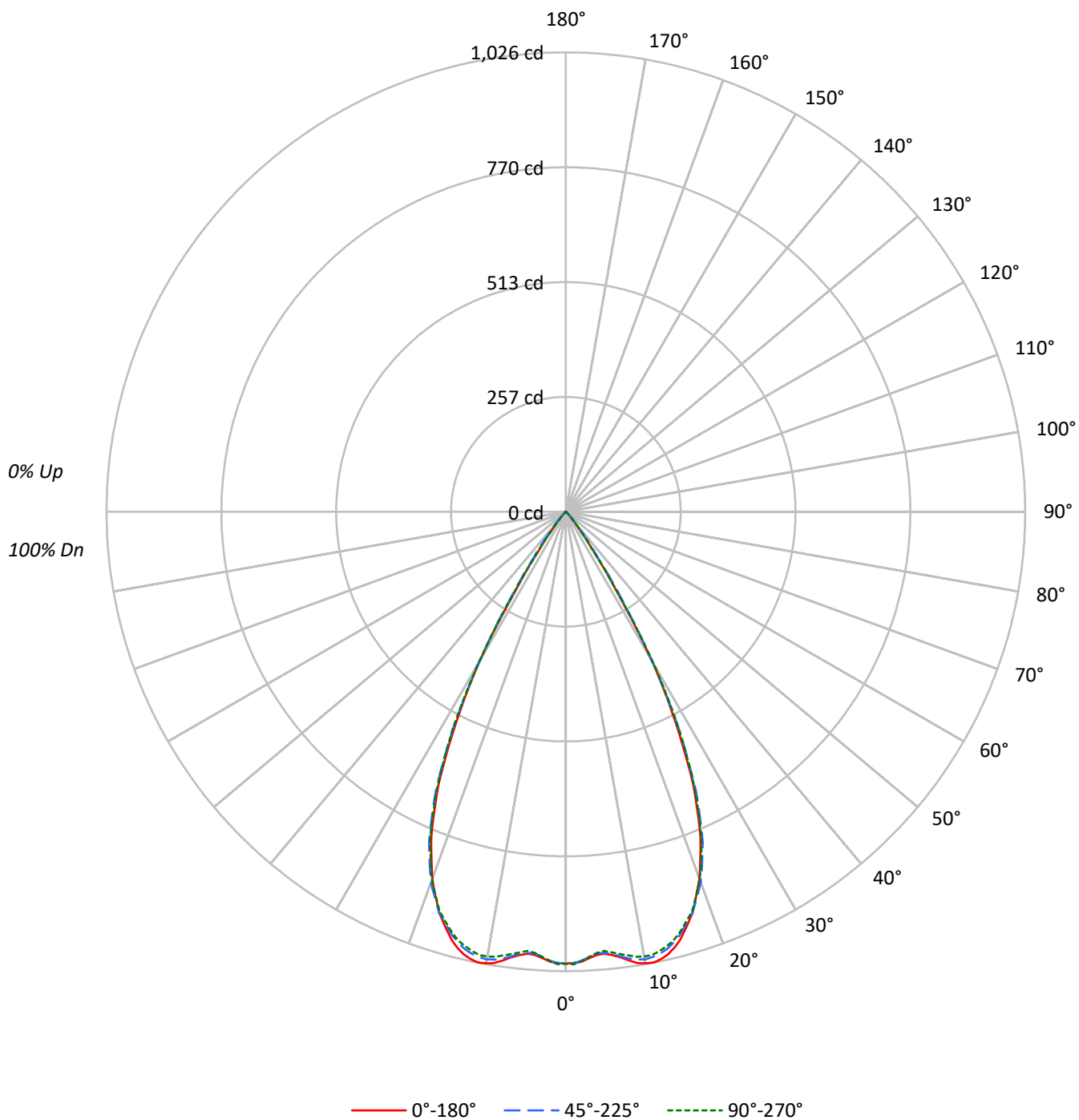
Lumens per Lamp: N/A
Luminaire Lumens: 774.1 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	173824	173824	173824
5°	171342	171031	170218
10°	179077	177538	176401
15°	176283	174714	173983
20°	159853	161466	160274
25°	127831	130510	129275
30°	76663	76663	77597
35°	22139	26239	22896
40°	6340	8611	6340
45°	1437	3288	1437
50°	643	1099	482
55°	540	540	540
60°	620	620	620
65°	489	489	489
70°	604	604	604
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	12.4
10°-20°	272.8	35.2
20°-30°	300.5	38.8
30°-40°	91.9	11.9
40°-50°	9.1	1.2
50°-60°	1.7	0.2
60°-70°	1.4	0.2
70°-80°	0.8	0.1
80°-90°	0.2	0.0
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°	669.0	86.4
0°-40°	760.9	98.3
0°-60°	771.7	99.7
0°-90°	774.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	991	991	989	986	985	96
15°	989	987	980	976	976	274
25°	673	679	687	693	680	296
35°	105	111	125	115	109	86
45°	6	9	14	9	6	7
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.3	1009.3	1009.3	1009.3	1009.3
1°	1008.1	1008.7	1008.1	1007.0	1011.1
2°	1005.8	1005.2	1003.4	1002.8	1004.6
3°	998.1	998.1	995.8	994.6	995.2
4°	992.2	992.2	988.7	987.5	988.1
5°	991.1	991.1	989.3	986.4	984.6
6°	995.8	997.0	992.8	989.9	989.9
7°	1002.8	1003.4	1000.5	996.4	995.2
8°	1011.7	1012.3	1007.6	1002.8	1000.5
9°	1020.5	1019.3	1012.8	1008.1	1006.4
10°	1024.0	1023.4	1015.2	1010.5	1008.7
11°	1025.8	1022.9	1013.4	1009.3	1008.7
12°	1021.7	1019.3	1009.3	1005.2	1003.4
13°	1014.6	1011.1	1002.8	998.7	996.4
14°	1003.4	999.9	992.2	987.5	988.1
15°	988.7	987.0	979.9	975.8	975.8
17.5°	939.9	941.0	939.3	937.5	936.3
20°	872.2	876.9	881.0	878.7	874.5
22.5°	785.7	793.9	798.6	799.8	792.2
25°	672.7	679.2	686.8	693.3	680.3
27.5°	532.0	537.9	545.0	549.1	547.3
30°	385.5	386.1	385.5	393.1	390.2
32.5°	214.2	231.9	234.8	240.1	221.3
35°	105.3	110.6	124.8	114.8	108.9
37.5°	50.6	54.1	67.7	55.3	53.0
40°	28.2	30.6	38.3	31.8	28.2
42.5°	13.5	17.7	20.6	18.2	13.5
45°	5.9	8.8	13.5	8.8	5.9
47.5°	2.4	3.5	8.2	3.5	2.4
50°	2.4	1.8	4.1	1.8	1.8
52.5°	1.8	1.8	2.4	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.2	1.8	1.8	1.8	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.6	1.2	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)