

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: P1326950

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326950
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

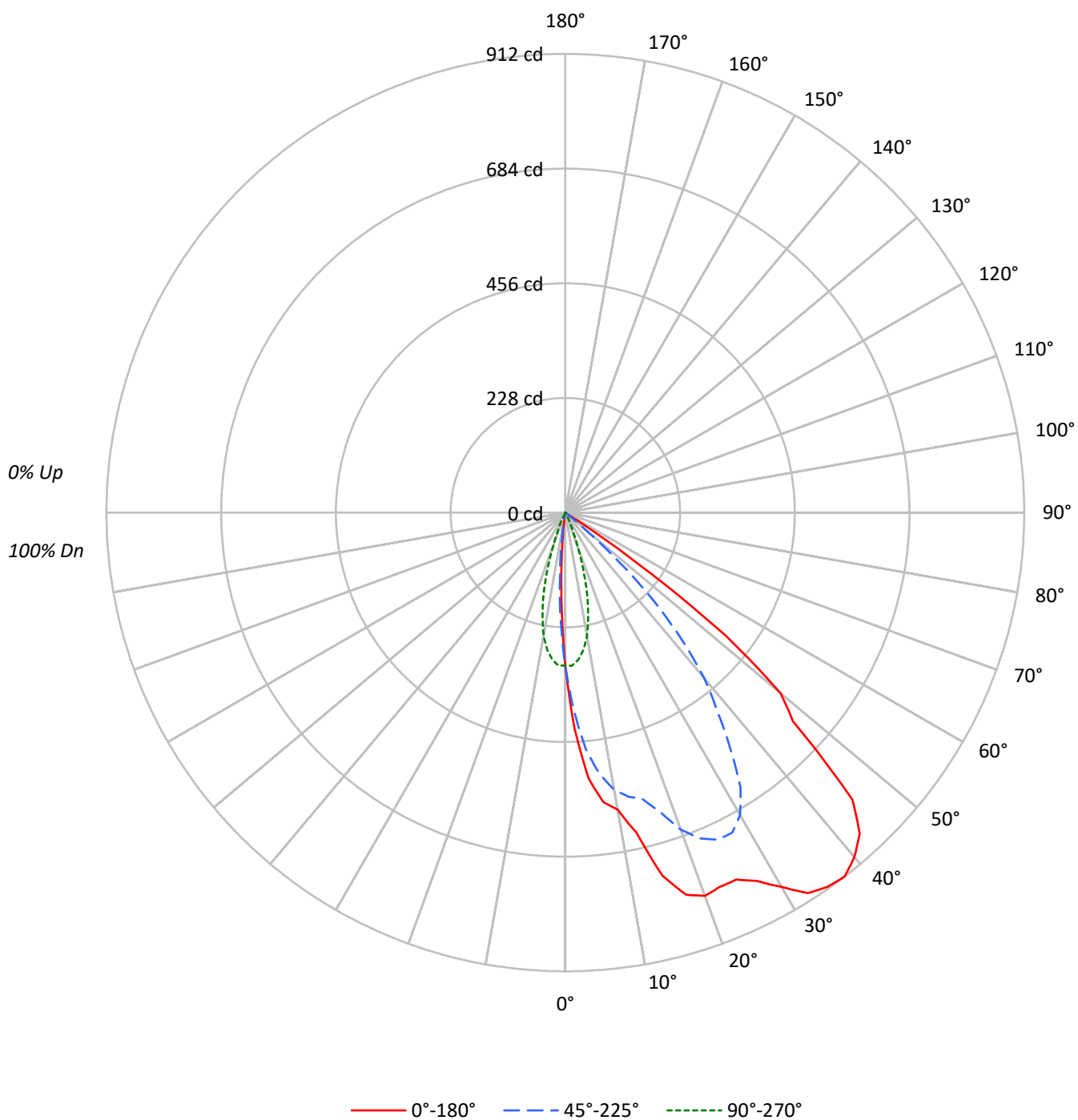
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	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°	52304	52304	52304	52304	52304
5°	91679	81721	50758	21091	12136
10°	104928	97810	43405	2308	839
15°	133331	105000	29758	464	285
20°	148581	122831	13068	0	0
25°	152952	136287	3706	0	0
30°	170885	138112	517	0	0
35°	190987	119924	0	0	0
40°	200900	96538	0	0	0
45°	196431	60963	0	0	0
50°	149559	12459	0	0	0
55°	49003	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	1091	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 196431 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	4.9
10°-20°	81.3	14.5
20°-30°	132.2	23.5
30°-40°	157.2	28.0
40°-50°	128.5	22.9
50°-60°	34.1	6.1
60°-70°	0.2	0.0
70°-80°	0.3	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°	241.3	42.9
0°-40°	398.5	70.9
0°-60°	561.0	99.8
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	304	304	304	304	304	
5°	530	473	294	122	70	52
15°	748	589	167	3	2	209
25°	805	717	20	0	0	379
35°	908	570	0	0	0	565
45°	806	250	0	0	0	579
55°	163	0	0	0	0	183
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	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°	303.7	303.7	303.7	303.7	303.7	303.7	303.7	303.7	303.7	303.7	303.7
2.5°	431.0	427.8	428.3	426.7	428.3	421.5	414.1	407.2	401.9	394.5	349.6
5°	530.3	525.0	523.4	521.3	519.2	510.7	503.8	495.4	485.4	472.7	390.3
7.5°	580.4	576.2	574.1	575.1	570.4	567.2	558.2	548.7	538.2	524.4	420.9
10°	600.0	595.7	595.2	594.7	594.2	592.0	587.8	579.4	569.9	559.3	438.4
12.5°	651.2	641.7	635.4	628.0	619.0	607.4	597.9	590.5	586.8	578.3	446.3
15°	747.8	738.9	732.0	722.5	705.6	680.8	658.1	629.0	603.7	588.9	443.1
17.5°	796.4	792.2	786.4	780.1	768.4	750.5	727.2	696.6	664.4	622.7	427.8
20°	810.7	808.6	804.4	801.7	793.8	781.1	765.3	741.5	711.4	670.2	404.0
22.5°	804.9	806.5	808.6	815.4	816.5	807.5	792.7	770.0	739.4	701.4	367.6
25°	804.9	803.8	803.8	818.1	827.1	822.8	812.3	791.7	760.5	717.2	322.7
27.5°	825.5	819.1	805.9	820.7	835.5	833.9	824.4	800.1	765.3	717.7	267.8
30°	859.3	845.6	823.9	837.6	851.4	845.6	830.2	799.1	754.7	694.5	200.7
32.5°	896.8	890.4	879.4	888.3	886.2	863.0	835.5	792.2	733.1	648.0	135.2
35°	908.4	909.5	902.1	900.5	888.3	864.6	835.5	772.7	687.6	570.4	80.3
37.5°	912.1	912.6	901.0	886.2	868.3	840.3	805.4	732.5	603.7	495.4	42.8
40°	893.6	893.1	874.1	856.1	836.0	808.6	757.9	648.0	523.9	429.4	15.3
42.5°	866.1	859.3	841.3	819.1	794.9	760.5	681.3	547.2	455.3	343.8	1.1
45°	806.5	800.1	785.9	762.1	735.2	686.6	561.4	470.0	370.2	250.3	0.0
47.5°	613.2	610.0	624.8	628.0	627.4	572.0	468.5	383.4	272.0	145.8	0.0
50°	558.2	554.0	539.2	520.2	486.4	439.9	375.5	284.1	159.5	46.5	0.0
52.5°	400.9	414.6	417.8	403.5	371.8	325.9	258.8	163.7	55.5	0.0	0.0
55°	163.2	154.7	161.1	169.0	175.3	161.1	119.4	58.1	0.5	0.0	0.0
57.5°	0.0	0.5	3.2	7.4	12.1	15.3	16.4	1.1	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	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	303.7	303.7	303.7	303.7	303.7
2.5°	304.7	257.7	212.3	187.5	175.3
5°	293.6	197.0	122.0	84.5	70.2
7.5°	275.2	135.2	48.6	20.1	14.3
10°	248.2	77.6	13.2	5.3	4.8
12.5°	209.7	35.4	4.8	3.7	3.7
15°	166.9	12.1	2.6	2.1	1.6
17.5°	117.2	3.2	1.1	0.0	0.0
20°	71.3	0.5	0.0	0.0	0.0
22.5°	39.6	0.0	0.0	0.0	0.0
25°	19.5	0.0	0.0	0.0	0.0
27.5°	8.5	0.0	0.0	0.0	0.0
30°	2.6	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°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	1.1	0.5	0.5	0.0	0.0
80°	1.1	0.5	0.5	0.0	0.0
82.5°	1.1	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.1	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)