

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: P1326949

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326949
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 1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

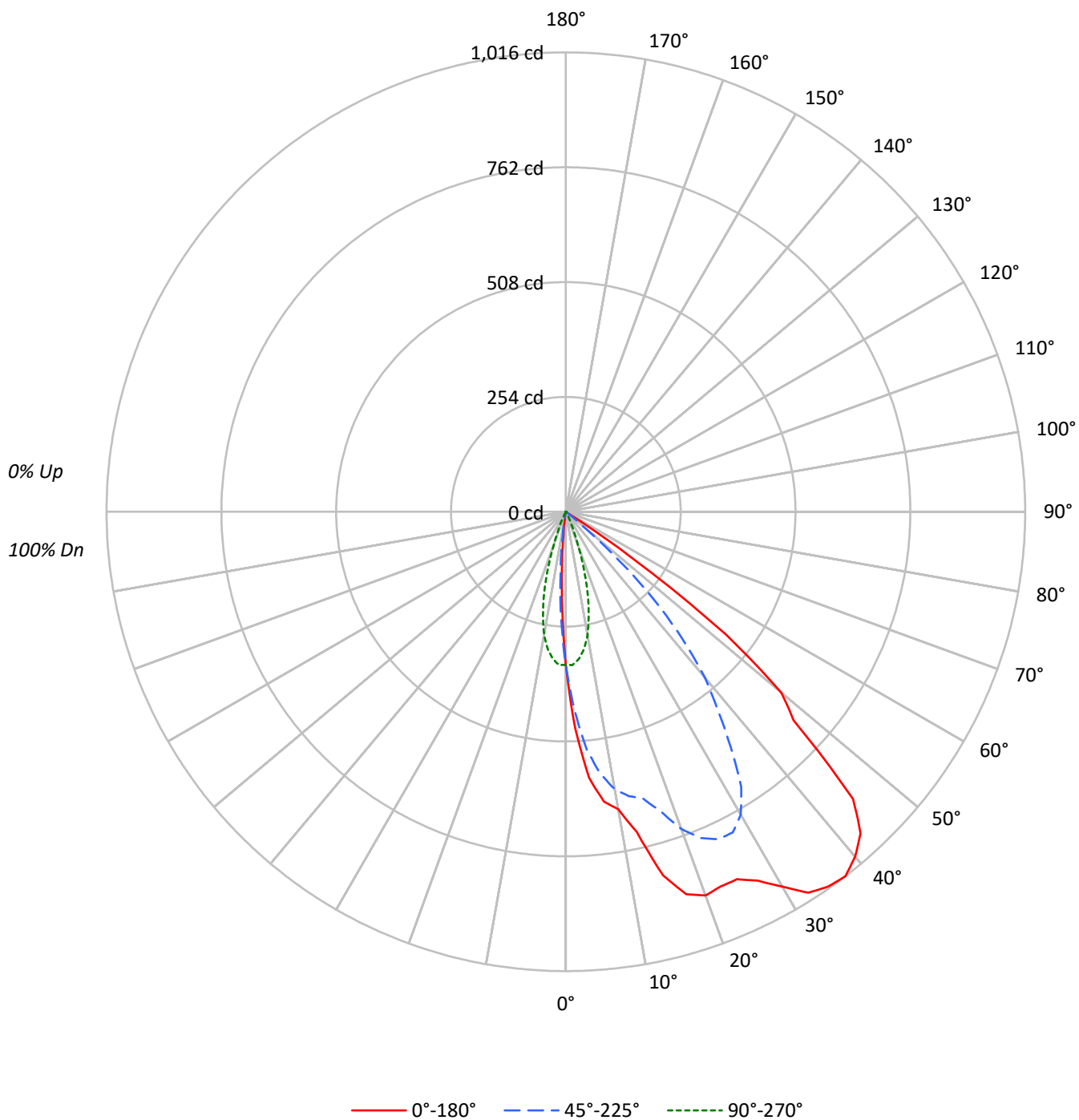
Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	58263	58263	58263	58263	58263
5°	102103	91022	56549	23494	13519
10°	116872	108950	48354	2571	927
15°	148522	116946	33146	517	321
20°	165498	136815	14552	0	0
25°	170359	151812	4143	0	0
30°	190334	153842	577	0	0
35°	212726	133569	0	0	0
40°	223787	107532	0	0	0
45°	218790	67904	0	0	0
50°	166599	13879	0	0	0
55°	54587	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: 218790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	4.9
10°-20°	90.6	14.5
20°-30°	147.3	23.5
30°-40°	175.1	28.0
40°-50°	143.2	22.9
50°-60°	37.9	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°	268.8	42.9
0°-40°	443.8	70.9
0°-60°	624.9	99.8
0°-90°	626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	626.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	338	338	338	338	338	
5°	591	526	327	136	78	58
15°	833	656	186	3	2	233
25°	896	799	22	0	0	422
35°	1012	635	0	0	0	629
45°	898	279	0	0	0	645
55°	182	0	0	0	0	204
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°	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3
2.5°	480.0	476.5	477.1	475.3	477.1	469.5	461.2	453.6	447.7	439.4	389.4
5°	590.6	584.8	583.0	580.6	578.3	568.9	561.2	551.8	540.6	526.5	434.7
7.5°	646.5	641.8	639.5	640.6	635.3	631.8	621.8	611.2	599.5	584.2	468.9
10°	668.3	663.6	663.0	662.4	661.8	659.5	654.8	645.3	634.8	623.0	488.3
12.5°	725.4	714.8	707.7	699.5	689.5	676.5	665.9	657.7	653.6	644.2	497.1
15°	833.0	823.0	815.4	804.8	785.9	758.3	733.0	700.6	672.4	655.9	493.6
17.5°	887.1	882.4	876.0	868.9	856.0	836.0	810.1	775.9	740.1	693.6	476.5
20°	903.0	900.7	896.0	893.0	884.2	870.1	852.4	826.0	792.4	746.5	450.0
22.5°	896.5	898.3	900.7	908.3	909.5	899.5	883.0	857.7	823.6	781.2	409.4
25°	896.5	895.4	895.4	911.3	921.3	916.5	904.8	881.8	847.1	798.9	359.4
27.5°	919.5	912.4	897.7	914.2	930.7	928.9	918.3	891.2	852.4	799.5	298.3
30°	957.1	941.8	917.7	933.0	948.3	941.8	924.8	890.1	840.7	773.6	223.5
32.5°	998.9	991.8	979.5	989.5	987.1	961.3	930.7	882.4	816.5	721.8	150.6
35°	1011.8	1013.0	1004.8	1003.0	989.5	963.0	930.7	860.7	765.9	635.3	89.4
37.5°	1016.0	1016.6	1003.6	987.1	967.1	936.0	897.1	815.9	672.4	551.8	47.7
40°	995.4	994.8	973.6	953.6	931.3	900.7	844.2	721.8	583.6	478.3	17.1
42.5°	964.8	957.1	937.1	912.4	885.4	847.1	758.9	609.5	507.1	383.0	1.2
45°	898.3	891.2	875.4	848.9	818.9	764.8	625.3	523.6	412.4	278.8	0.0
47.5°	683.0	679.5	695.9	699.5	698.9	637.1	521.8	427.1	303.0	162.4	0.0
50°	621.8	617.1	600.6	579.5	541.8	490.0	418.3	316.5	177.7	51.8	0.0
52.5°	446.5	461.8	465.3	449.4	414.2	363.0	288.3	182.4	61.8	0.0	0.0
55°	181.8	172.4	179.4	188.3	195.3	179.4	133.0	64.7	0.6	0.0	0.0
57.5°	0.0	0.6	3.5	8.2	13.5	17.1	18.2	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°	338.3	338.3	338.3	338.3	338.3
2.5°	339.4	287.1	236.5	208.8	195.3
5°	327.1	219.4	135.9	94.1	78.2
7.5°	306.5	150.6	54.1	22.4	15.9
10°	276.5	86.5	14.7	5.9	5.3
12.5°	233.5	39.4	5.3	4.1	4.1
15°	185.9	13.5	2.9	2.4	1.8
17.5°	130.6	3.5	1.2	0.0	0.0
20°	79.4	0.6	0.0	0.0	0.0
22.5°	44.1	0.0	0.0	0.0	0.0
25°	21.8	0.0	0.0	0.0	0.0
27.5°	9.4	0.0	0.0	0.0	0.0
30°	2.9	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)