

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: P1326956

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

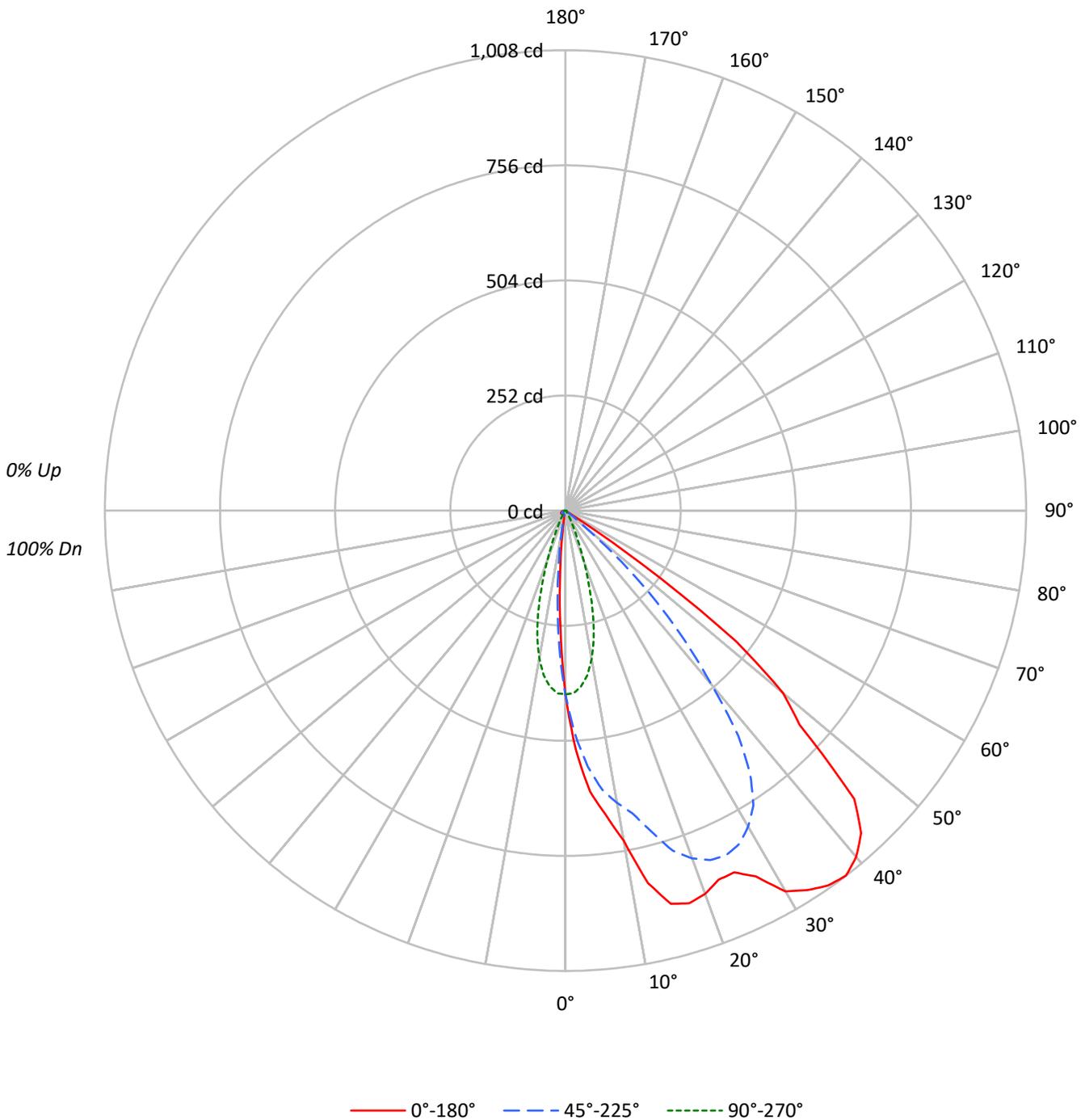
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 671.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	69268	69268	69268	69268	69268
5°	106806	97245	66905	34369	22578
10°	128327	113654	57588	8657	3463
15°	158899	129801	41151	2389	1872
20°	163647	148490	21260	1594	1594
25°	166026	158159	8532	1444	1653
30°	191368	158913	3719	1511	1730
35°	210644	148160	1598	1598	1955
40°	222505	111511	922	1844	2091
45°	217620	68148	852	1997	2557
50°	166465	14522	938	2331	2974
55°	61073	510	1051	2612	3333
60°	586	586	1206	2997	3823
65°	693	693	1426	3097	4034
70°	604	856	1460	3525	4683
75°	399	799	1530	3859	5456
80°	595	1190	1686	4066	5752
85°	0	1186	2371	4545	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 217620 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	5.3
10°-20°	101.4	15.1
20°-30°	155.5	23.2
30°-40°	181.2	27.0
40°-50°	144.8	21.6
50°-60°	42.9	6.4
60°-70°	4.6	0.7
70°-80°	3.6	0.5
80°-90°	1.5	0.2
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°	292.3	43.6
0°-40°	473.6	70.6
0°-60°	661.3	98.6
0°-90°	671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	402	402	402	402	402	
5°	618	562	387	199	131	62
15°	891	728	231	13	10	246
25°	874	832	45	8	9	415
35°	1002	705	8	8	9	624
45°	894	280	4	8	10	644
55°	203	2	4	9	11	215
65°	2	2	4	8	10	1
75°	1	1	2	6	8	1
85°	0	1	1	2	3	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	524.6	524.6	522.8	523.4	522.2	515.8	514.7	506.5	499.5	491.9	485.5
5°	617.8	619.0	617.3	613.8	609.1	604.4	594.5	586.9	577.0	562.5	549.1
7.5°	670.9	669.7	666.8	665.6	662.7	657.5	650.5	642.3	630.7	616.1	600.3
10°	733.8	723.9	721.0	716.3	707.0	696.5	684.3	673.2	663.3	649.9	633.0
12.5°	835.2	833.5	821.8	813.1	800.3	777.0	756.0	731.5	702.3	679.0	656.9
15°	891.2	892.4	887.1	880.1	872.0	852.7	831.7	803.2	768.8	728.0	691.9
17.5°	901.1	902.9	899.9	897.0	894.7	883.6	870.8	850.4	818.9	781.0	727.4
20°	892.9	896.4	897.0	900.5	905.2	900.5	890.0	876.0	849.8	810.2	758.9
22.5°	874.9	881.3	885.9	898.2	910.4	910.4	904.0	892.9	867.3	828.2	775.8
25°	873.7	874.9	876.6	896.4	915.7	919.8	913.9	902.3	874.3	832.3	775.2
27.5°	902.9	895.3	883.6	903.4	926.2	929.7	921.5	905.8	872.5	823.0	755.4
30°	962.3	945.4	920.9	935.5	951.2	947.1	930.8	905.8	860.9	799.1	718.1
32.5°	985.0	975.7	967.0	982.7	985.6	968.7	939.6	902.3	842.2	765.3	656.9
35°	1001.9	1002.5	999.0	1001.9	987.9	964.1	932.0	883.0	807.3	704.7	575.9
37.5°	1007.8	1008.9	1001.4	990.9	969.9	942.5	904.0	848.1	749.0	621.3	453.5
40°	989.7	986.2	974.0	959.4	936.7	908.7	866.7	783.4	662.1	496.0	353.8
42.5°	957.6	951.8	937.2	919.8	895.9	860.3	793.3	692.4	538.0	387.0	247.7
45°	893.5	889.4	871.4	858.6	830.0	783.9	697.7	570.6	416.2	279.8	143.4
47.5°	694.2	694.8	708.8	715.2	705.3	668.5	567.1	433.6	303.7	166.7	48.4
50°	621.3	618.4	604.4	585.2	553.1	498.3	416.2	306.6	179.5	54.2	7.0
52.5°	471.5	471.5	464.5	454.6	420.8	367.8	281.5	169.6	62.9	9.3	1.7
55°	203.4	192.9	198.8	209.8	201.1	174.9	131.7	50.7	11.1	1.7	1.7
57.5°	2.9	7.0	10.5	16.9	22.7	27.4	14.6	5.2	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	1.2	1.2	1.2	1.7	1.2	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	476.2	466.3	450.0	400.4	349.1	301.9	268.1	255.3
5°	533.9	515.8	488.4	387.0	285.0	198.8	149.8	130.6
7.5°	579.4	556.0	516.4	363.7	209.2	106.1	63.5	50.1
10°	609.7	584.0	532.2	329.3	138.7	49.5	23.9	19.8
12.5°	631.8	599.8	538.0	285.0	81.6	22.7	12.8	11.7
15°	648.1	606.8	531.0	230.8	44.9	13.4	10.5	10.5
17.5°	670.9	610.3	514.1	170.2	25.6	9.9	9.9	9.9
20°	688.4	610.3	482.0	116.0	15.7	8.7	8.7	8.7
22.5°	697.1	600.9	443.0	73.4	11.1	8.2	8.7	8.7
25°	688.4	578.2	392.8	44.9	8.7	7.6	8.2	8.7
27.5°	656.3	532.7	325.8	28.6	7.0	7.6	8.2	8.7
30°	602.7	466.9	250.0	18.7	6.4	7.6	8.2	8.7
32.5°	526.9	369.0	162.0	12.2	5.8	7.6	8.2	8.7
35°	411.5	261.1	97.9	7.6	5.8	7.6	8.7	9.3
37.5°	308.3	174.3	53.0	4.7	5.8	7.6	8.7	9.3
40°	213.9	101.4	22.7	4.1	5.8	8.2	9.3	9.3
42.5°	124.1	40.2	5.8	3.5	5.8	8.2	9.3	9.9
45°	45.5	8.2	1.7	3.5	6.4	8.2	9.3	10.5
47.5°	6.4	1.7	1.7	3.5	6.4	8.2	9.9	10.5
50°	1.7	1.7	1.7	3.5	6.4	8.7	10.5	11.1
52.5°	1.7	1.7	1.7	3.5	6.4	8.7	10.5	11.1
55°	1.7	1.7	1.7	3.5	6.4	8.7	10.5	11.1
57.5°	1.7	1.7	1.7	3.5	6.4	8.7	10.5	11.1
60°	1.7	1.7	1.7	3.5	5.8	8.7	10.5	11.1
62.5°	1.7	1.7	1.7	3.5	5.8	8.2	9.9	10.5
65°	1.7	1.7	1.7	3.5	5.2	7.6	9.9	9.9
67.5°	1.7	1.7	1.7	2.9	5.2	7.6	9.3	9.9
70°	1.7	1.7	1.7	2.9	4.7	7.0	8.7	9.3
72.5°	1.7	1.7	1.7	2.3	4.1	6.4	8.2	8.7
75°	1.2	1.7	1.7	2.3	4.1	5.8	7.6	8.2
77.5°	1.2	1.7	1.7	1.7	3.5	4.7	6.4	7.0
80°	1.2	1.2	1.7	1.7	2.9	4.1	5.2	5.8
82.5°	1.2	1.2	1.2	1.7	2.3	2.9	4.1	4.1
85°	1.2	1.2	1.2	1.2	1.7	2.3	2.9	2.9
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)