

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: P1326991

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

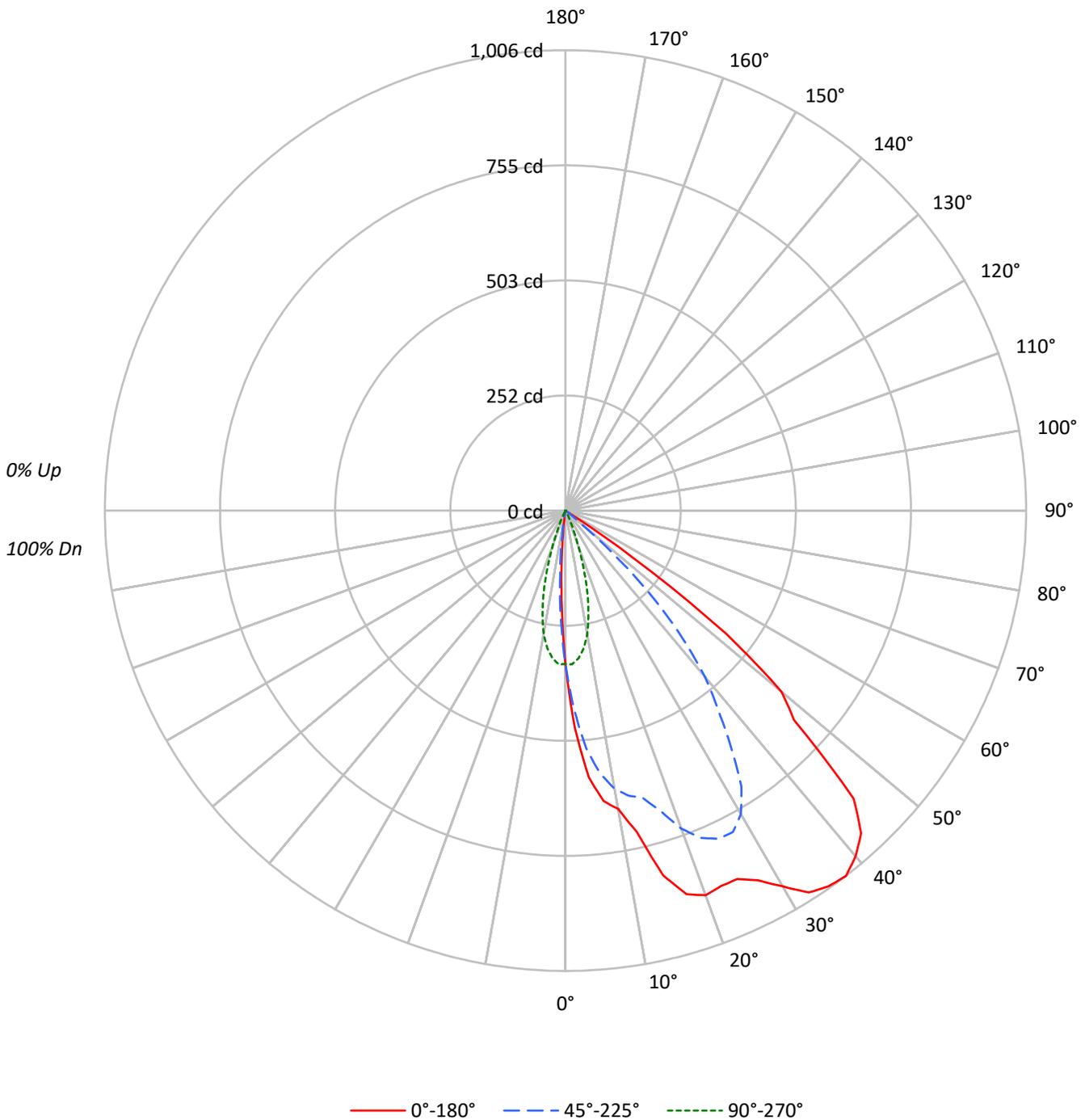
Test Method: LM-79-2019  
Report Number: P1326991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 620.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 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		0	
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	100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	91	
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	84	82	
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	75	73	
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	68	66	
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	61	59	
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	55	53	
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	48	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	45	44	
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	40	
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	38	36	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	57695	57695	57695	57695	57695
5°	101135	90157	56013	23270	13398
10°	115753	107901	47882	2553	909
15°	147096	115822	32825	517	303
20°	163922	135514	14424	0	0
25°	168744	150349	4105	0	0
30°	188525	152371	577	0	0
35°	210687	132307	0	0	0
40°	221628	106498	0	0	0
45°	216695	67271	0	0	0
50°	165019	13745	0	0	0
55°	54047	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: 216695 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	4.9
10°-20°	89.7	14.5
20°-30°	145.9	23.5
30°-40°	173.4	28.0
40°-50°	141.8	22.9
50°-60°	37.6	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°	266.2	42.9
0°-40°	439.6	70.9
0°-60°	618.9	99.8
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	335	335	335	335	335	
5°	585	522	324	135	78	57
15°	825	650	184	3	2	231
25°	888	791	22	0	0	418
35°	1002	629	0	0	0	623
45°	890	276	0	0	0	639
55°	180	0	0	0	0	202
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°	335.0	335.0	335.0	335.0	335.0	335.0	335.0	335.0	335.0	335.0	335.0
2.5°	475.4	471.9	472.5	470.8	472.5	465.0	456.8	449.2	443.4	435.2	385.7
5°	585.0	579.1	577.4	575.1	572.7	563.4	555.8	546.5	535.5	521.5	430.6
7.5°	640.3	635.7	633.3	634.5	629.3	625.8	615.9	605.4	593.7	578.6	464.4
10°	661.9	657.2	656.6	656.1	655.5	653.1	648.5	639.2	628.7	617.0	483.6
12.5°	718.4	707.9	700.9	692.8	682.9	670.0	659.6	651.4	647.3	638.0	492.3
15°	825.0	815.1	807.5	797.1	778.4	751.0	726.0	693.9	666.0	649.6	488.8
17.5°	878.6	874.0	867.6	860.6	847.7	827.9	802.3	768.5	733.0	686.9	471.9
20°	894.4	892.0	887.4	884.5	875.7	861.7	844.3	818.0	784.8	739.4	445.7
22.5°	888.0	889.7	892.0	899.6	900.8	890.9	874.6	849.5	815.7	773.8	405.5
25°	888.0	886.8	886.8	902.5	912.4	907.8	896.1	873.4	839.0	791.2	356.0
27.5°	910.7	903.7	889.1	905.4	921.7	920.0	909.5	882.7	844.3	791.8	295.4
30°	948.0	932.8	908.9	924.1	939.2	932.8	915.9	881.5	832.6	766.2	221.4
32.5°	989.3	982.3	970.1	980.0	977.7	952.0	921.7	874.0	808.7	714.9	149.2
35°	1002.1	1003.3	995.2	993.4	980.0	953.8	921.7	852.4	758.6	629.3	88.6
37.5°	1006.2	1006.8	994.0	977.7	957.9	927.0	888.5	808.1	666.0	546.5	47.2
40°	985.8	985.3	964.3	944.5	922.3	892.0	836.1	714.9	578.0	473.7	16.9
42.5°	955.5	948.0	928.2	903.7	876.9	839.0	751.6	603.6	502.2	379.3	1.2
45°	889.7	882.7	867.0	840.8	811.0	757.4	619.4	518.6	408.4	276.2	0.0
47.5°	676.5	673.0	689.3	692.8	692.2	631.0	516.8	423.0	300.1	160.8	0.0
50°	615.9	611.2	594.9	573.9	536.6	485.3	414.3	313.5	176.0	51.3	0.0
52.5°	442.2	457.4	460.9	445.1	410.2	359.5	285.5	180.6	61.2	0.0	0.0
55°	180.0	170.7	177.7	186.4	193.4	177.7	131.7	64.1	0.6	0.0	0.0
57.5°	0.0	0.6	3.5	8.2	13.4	16.9	18.1	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°	335.0	335.0	335.0	335.0	335.0
2.5°	336.2	284.3	234.2	206.8	193.4
5°	324.0	217.3	134.6	93.2	77.5
7.5°	303.6	149.2	53.6	22.1	15.7
10°	273.8	85.6	14.6	5.8	5.2
12.5°	231.3	39.0	5.2	4.1	4.1
15°	184.1	13.4	2.9	2.3	1.7
17.5°	129.3	3.5	1.2	0.0	0.0
20°	78.7	0.6	0.0	0.0	0.0
22.5°	43.7	0.0	0.0	0.0	0.0
25°	21.6	0.0	0.0	0.0	0.0
27.5°	9.3	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)