

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: P1327006

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

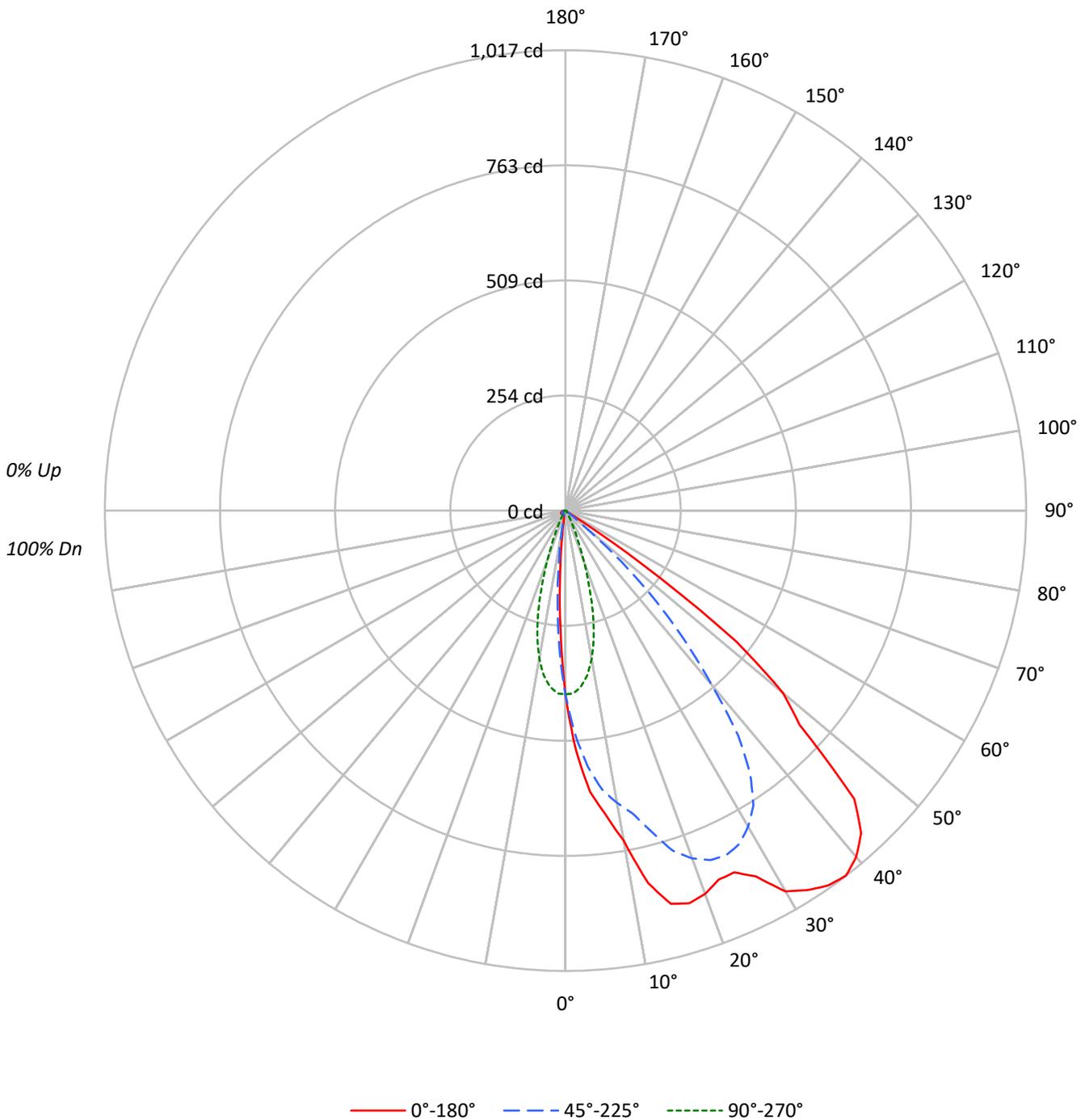
Test Method: LM-79-2019  
Report Number: P1327006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 677.0 lumens  
Efficiency: N/A  
Efficacy: 75.2 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37

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

	0°	45°	90°	135°	180°
0°	69888	69888	69888	69888	69888
5°	107774	98110	67510	34663	22768
10°	129481	114668	58112	8744	3498
15°	160326	130960	41526	2407	1890
20°	165113	149809	21443	1613	1613
25°	167508	159584	8608	1444	1672
30°	193079	160325	3739	1511	1750
35°	212537	149484	1598	1598	1976
40°	224483	112523	922	1844	2113
45°	219569	68757	852	1997	2582
50°	167966	14656	938	2358	3001
55°	61614	540	1051	2642	3363
60°	620	620	1206	3031	3858
65°	734	734	1426	3097	4075
70°	604	906	1460	3575	4733
75°	399	799	1597	3926	5456
80°	595	1190	1785	4066	5852
85°	0	1186	2371	4742	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 219569 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	5.3
10°-20°	102.3	15.1
20°-30°	156.9	23.2
30°-40°	182.9	27.0
40°-50°	146.1	21.6
50°-60°	43.3	6.4
60°-70°	4.6	0.7
70°-80°	3.6	0.5
80°-90°	1.6	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°	294.9	43.6
0°-40°	477.8	70.6
0°-60°	667.2	98.5
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	406	406	406	406	406	
5°	623	568	390	200	132	62
15°	899	734	233	14	11	248
25°	882	840	45	8	9	419
35°	1011	711	8	8	9	630
45°	902	282	4	8	11	650
55°	205	2	4	9	11	217
65°	2	2	4	8	10	2
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°	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
2.5°	529.3	529.3	527.5	528.1	526.9	520.4	519.3	511.0	504.0	496.3	489.9
5°	623.4	624.5	622.8	619.2	614.5	609.8	599.8	592.2	582.2	567.5	554.0
7.5°	676.9	675.7	672.8	671.6	668.6	663.3	656.3	648.1	636.3	621.6	605.7
10°	740.4	730.4	727.4	722.7	713.3	702.7	690.4	679.2	669.2	655.7	638.6
12.5°	842.7	840.9	829.2	820.4	807.4	783.9	762.7	738.0	708.6	685.1	662.8
15°	899.2	900.3	895.0	888.0	879.8	860.4	839.2	810.4	775.7	734.5	698.0
17.5°	909.2	910.9	908.0	905.0	902.7	891.5	878.6	858.0	826.2	788.0	733.9
20°	900.9	904.5	905.0	908.6	913.3	908.6	898.0	883.9	857.4	817.4	765.7
22.5°	882.7	889.2	893.9	906.2	918.6	918.6	912.1	900.9	875.1	835.7	782.7
25°	881.5	882.7	884.5	904.5	923.9	928.0	922.1	910.3	882.1	839.8	782.1
27.5°	910.9	903.3	891.5	911.5	934.4	938.0	929.7	913.9	880.3	830.4	762.1
30°	970.9	953.9	929.2	943.9	959.7	955.6	939.2	913.9	868.6	806.2	724.5
32.5°	993.8	984.4	975.6	991.5	994.4	977.4	948.0	910.3	849.8	772.1	662.8
35°	1010.9	1011.5	1008.0	1010.9	996.8	972.7	940.3	890.9	814.5	711.0	581.0
37.5°	1016.8	1018.0	1010.3	999.7	978.6	950.9	912.1	855.6	755.7	626.9	457.5
40°	998.5	995.0	982.7	968.0	945.0	916.8	874.5	790.4	668.1	500.5	357.0
42.5°	966.2	960.3	945.6	928.0	903.9	868.0	800.4	698.6	542.8	390.5	249.9
45°	901.5	897.4	879.2	866.2	837.4	791.0	703.9	575.7	419.9	282.3	144.7
47.5°	700.4	701.0	715.1	721.6	711.6	674.5	572.2	437.5	306.4	168.2	48.8
50°	626.9	623.9	609.8	590.4	558.1	502.8	419.9	309.3	181.1	54.7	7.1
52.5°	475.8	475.8	468.7	458.7	424.6	371.1	284.0	171.1	63.5	9.4	1.8
55°	205.2	194.7	200.5	211.7	202.9	176.4	132.9	51.2	11.2	1.8	1.8
57.5°	2.9	7.1	10.6	17.1	22.9	27.6	14.7	5.3	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.2	1.2	1.2	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
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°	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
2.5°	480.5	470.5	454.0	404.0	352.3	304.6	270.5	257.6
5°	538.7	520.4	492.8	390.5	287.6	200.5	151.1	131.7
7.5°	584.5	561.0	521.0	367.0	211.1	107.0	64.1	50.6
10°	615.1	589.2	536.9	332.3	140.0	50.0	24.1	20.0
12.5°	637.5	605.1	542.8	287.6	82.3	22.9	12.9	11.8
15°	653.9	612.2	535.7	232.9	45.3	13.5	10.6	10.6
17.5°	676.9	615.7	518.7	171.7	25.9	10.0	10.0	10.0
20°	694.5	615.7	486.3	117.0	15.9	8.8	8.8	8.8
22.5°	703.3	606.3	446.9	74.1	11.2	8.2	8.8	8.8
25°	694.5	583.4	396.4	45.3	8.8	7.6	8.2	8.8
27.5°	662.2	537.5	328.7	28.8	7.1	7.6	8.2	8.8
30°	608.1	471.0	252.3	18.8	6.5	7.6	8.2	8.8
32.5°	531.6	372.3	163.5	12.3	5.9	7.6	8.2	8.8
35°	415.2	263.5	98.8	7.6	5.9	7.6	8.8	9.4
37.5°	311.1	175.8	53.5	4.7	5.9	7.6	8.8	9.4
40°	215.8	102.3	22.9	4.1	5.9	8.2	9.4	9.4
42.5°	125.3	40.6	5.9	3.5	5.9	8.2	9.4	10.0
45°	45.9	8.2	1.8	3.5	6.5	8.2	9.4	10.6
47.5°	6.5	1.8	1.8	3.5	6.5	8.2	10.0	10.6
50°	1.8	1.8	1.8	3.5	6.5	8.8	10.6	11.2
52.5°	1.8	1.8	1.8	3.5	6.5	8.8	10.6	11.2
55°	1.8	1.8	1.8	3.5	6.5	8.8	10.6	11.2
57.5°	1.8	1.8	1.8	3.5	6.5	8.8	10.6	11.2
60°	1.8	1.8	1.8	3.5	5.9	8.8	10.6	11.2
62.5°	1.8	1.8	1.8	3.5	5.9	8.2	10.0	10.6
65°	1.8	1.8	1.8	3.5	5.3	7.6	10.0	10.0
67.5°	1.8	1.8	1.8	2.9	5.3	7.6	9.4	10.0
70°	1.8	1.8	1.8	2.9	4.7	7.1	8.8	9.4
72.5°	1.8	1.8	1.8	2.4	4.1	6.5	8.2	8.8
75°	1.2	1.8	1.8	2.4	4.1	5.9	7.6	8.2
77.5°	1.2	1.8	1.8	1.8	3.5	4.7	6.5	7.1
80°	1.2	1.2	1.8	1.8	2.9	4.1	5.3	5.9
82.5°	1.2	1.2	1.2	1.8	2.4	2.9	4.1	4.1
85°	1.2	1.2	1.2	1.2	1.8	2.4	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)