

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: P1319646

Luminaire Tested: LDSQA3D02R259840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

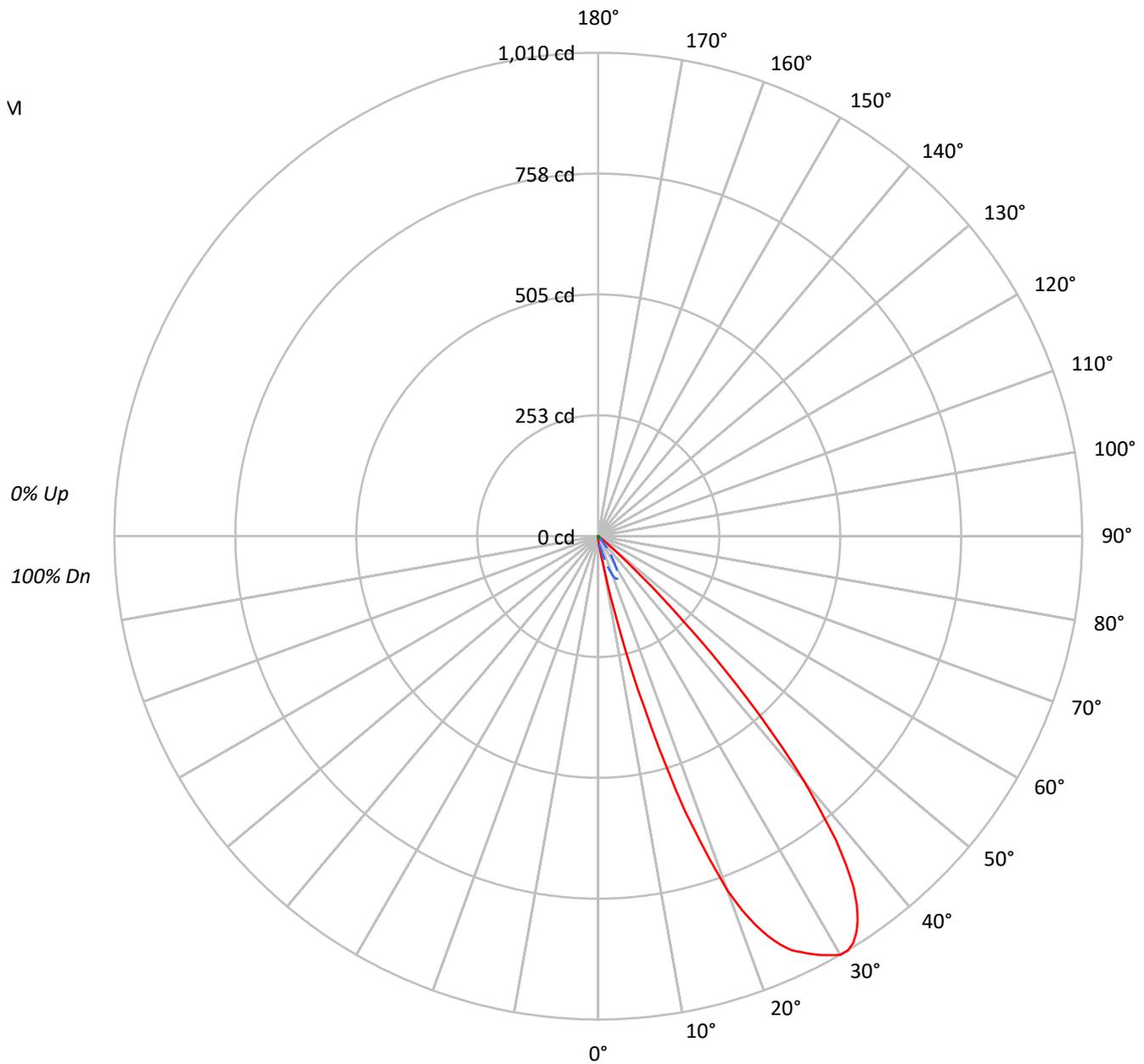
Test Method: LM-79-2019  
Report Number: P1319646  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259840DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 198.0 lumens  
Efficiency: N/A  
Efficacy: 55.0 lumens/watt  
Spacing Criteria (0/90/45): 2.4 / 0.44 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	1085	1085	1085	1085	1085
5°	3371	2368	985	519	398
10°	10650	4285	734	70	0
15°	65828	8148	446	0	0
20°	144348	15890	147	0	0
25°	181456	18262	0	0	0
30°	200854	14139	0	0	0
35°	197714	8010	0	0	0
40°	150293	2091	0	0	0
45°	60890	926	0	0	0
50°	6752	107	0	0	0
55°	510	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 60890 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	20.5	10.3
20°-30°	71.5	36.1
30°-40°	79.8	40.3
40°-50°	24.1	12.2
50°-60°	0.8	0.4
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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
<b>0°-30°</b>	<b>92.9</b>	<b>46.9</b>
<b>0°-40°</b>	<b>172.7</b>	<b>87.2</b>
<b>0°-60°</b>	<b>197.6</b>	<b>99.8</b>
<b>0°-90°</b>	<b>198.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>198.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	20	14	6	3	2	3
15°	369	46	2	0	0	123
25°	955	96	0	0	0	436
35°	940	38	0	0	0	565
45°	250	4	0	0	0	216
55°	2	0	0	0	0	5
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	10.8	11.2	11.0	11.2	11.0	11.0	11.0	11.2	11.0	11.0	11.0
5°	19.5	19.7	19.7	19.5	19.5	19.9	19.5	19.7	19.2	19.5	19.3
7.5°	32.0	31.7	31.7	31.9	31.9	31.5	31.3	30.9	31.3	31.3	30.7
10°	60.9	60.5	59.5	59.2	59.5	59.5	57.7	58.0	58.2	56.5	55.9
12.5°	178.8	177.5	180.2	176.0	173.5	169.5	171.8	164.0	162.3	161.2	158.5
15°	369.2	379.3	374.9	375.3	376.1	366.6	369.8	358.0	348.2	345.2	343.1
17.5°	602.1	605.2	601.2	599.3	598.5	594.0	588.5	582.6	575.0	568.4	562.9
20°	787.6	785.3	778.5	779.3	771.1	766.9	762.2	756.3	750.4	740.8	731.5
21°	836.5	829.9	830.1	825.5	825.3	820.0	811.7	805.6	800.3	789.3	783.4
22°	876.7	875.2	871.8	868.4	864.8	862.1	852.8	849.8	839.0	829.9	821.5
23°	908.0	908.6	905.6	903.3	898.3	897.2	885.3	881.1	873.7	859.8	851.3
24°	934.0	933.1	929.6	925.7	922.8	920.2	911.1	904.2	896.1	884.7	876.3
25°	954.9	952.6	950.3	947.3	942.7	939.7	930.4	922.8	915.8	903.1	891.7
26°	967.2	967.8	964.2	961.9	957.9	954.9	945.2	936.3	927.6	913.9	903.7
27°	979.7	979.1	975.9	972.5	968.3	967.2	956.0	946.7	937.8	923.4	911.2
28°	991.3	989.8	987.1	983.1	978.6	975.2	964.3	954.7	945.0	929.6	916.4
29°	1000.9	999.4	997.7	992.6	986.7	984.4	972.9	961.1	951.4	935.7	921.7
30°	1010.0	1007.2	1003.2	998.9	993.2	988.8	976.7	966.4	955.1	937.6	924.1
31°	1010.4	1006.6	1003.8	999.2	992.8	987.5	974.8	964.3	951.1	934.8	920.2
32°	1003.8	1001.9	997.3	992.4	986.2	980.8	966.8	955.8	943.3	925.8	911.2
33°	988.8	986.9	984.3	979.1	971.0	966.1	953.5	941.4	929.1	913.3	896.6
34°	968.1	965.9	962.4	957.3	949.0	943.9	933.8	921.3	908.2	891.9	876.3
35°	940.4	936.1	935.1	927.6	919.8	918.4	906.5	893.4	880.1	862.1	848.7
36°	906.1	901.0	897.6	894.9	889.8	883.6	871.8	861.4	844.3	832.7	813.8
37°	859.3	853.0	856.2	849.0	841.1	838.4	823.4	814.0	799.5	783.8	767.7
38°	804.7	804.1	803.3	800.1	786.5	779.4	773.2	763.1	750.6	731.6	709.8
39°	735.6	736.8	732.8	733.2	726.3	719.3	710.6	699.2	684.0	666.8	649.2
40°	668.5	652.4	655.2	645.6	646.1	635.7	624.3	614.3	604.6	589.4	565.3
42.5°	462.5	460.1	451.5	445.5	448.1	434.7	419.7	405.7	392.2	375.1	354.1
45°	250.0	244.3	246.0	236.1	236.1	230.0	225.9	214.1	201.6	193.8	181.7
47.5°	92.9	94.1	96.1	92.2	87.6	90.3	86.3	86.3	84.2	81.7	78.3
50°	25.2	25.6	25.2	25.2	24.7	24.3	23.5	23.3	23.1	22.6	21.6
52.5°	10.2	9.7	9.7	9.9	9.9	9.5	9.7	9.7	9.5	9.3	9.3
55°	1.7	1.9	1.9	1.9	1.9	1.7	1.7	1.9	2.1	1.9	1.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	10.6	9.3	7.8	6.4	5.1	4.4	4.0	4.2
5°	18.0	13.7	8.9	5.7	4.0	3.0	2.5	2.3
7.5°	27.7	18.8	10.1	4.9	3.0	1.5	0.9	0.8
10°	42.5	24.5	10.8	4.2	1.9	0.4	0.0	0.0
12.5°	109.0	30.0	11.0	3.4	0.8	0.0	0.0	0.0
15°	224.2	45.7	10.6	2.5	0.2	0.0	0.0	0.0
17.5°	372.7	70.0	9.3	1.7	0.0	0.0	0.0	0.0
20°	517.0	86.7	7.4	0.8	0.0	0.0	0.0	0.0
21°	560.4	91.6	6.6	0.6	0.0	0.0	0.0	0.0
22°	595.9	95.2	5.9	0.4	0.0	0.0	0.0	0.0
23°	625.4	97.1	5.1	0.2	0.0	0.0	0.0	0.0
24°	646.1	97.5	4.7	0.2	0.0	0.0	0.0	0.0
25°	656.0	96.1	4.2	0.0	0.0	0.0	0.0	0.0
26°	659.8	93.5	3.8	0.0	0.0	0.0	0.0	0.0
27°	656.9	90.1	3.4	0.0	0.0	0.0	0.0	0.0
28°	651.8	85.0	2.8	0.0	0.0	0.0	0.0	0.0
29°	641.8	78.1	2.5	0.0	0.0	0.0	0.0	0.0
30°	632.1	71.1	2.1	0.0	0.0	0.0	0.0	0.0
31°	621.1	64.9	1.7	0.0	0.0	0.0	0.0	0.0
32°	607.6	57.7	1.3	0.0	0.0	0.0	0.0	0.0
33°	585.2	51.0	0.9	0.0	0.0	0.0	0.0	0.0
34°	554.0	44.8	0.8	0.0	0.0	0.0	0.0	0.0
35°	512.0	38.1	0.6	0.0	0.0	0.0	0.0	0.0
36°	466.1	31.1	0.4	0.0	0.0	0.0	0.0	0.0
37°	410.0	22.6	0.4	0.0	0.0	0.0	0.0	0.0
38°	351.4	14.2	0.2	0.0	0.0	0.0	0.0	0.0
39°	291.5	10.8	0.2	0.0	0.0	0.0	0.0	0.0
40°	236.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	126.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	74.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	41.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	15.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)