

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: P1324227

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

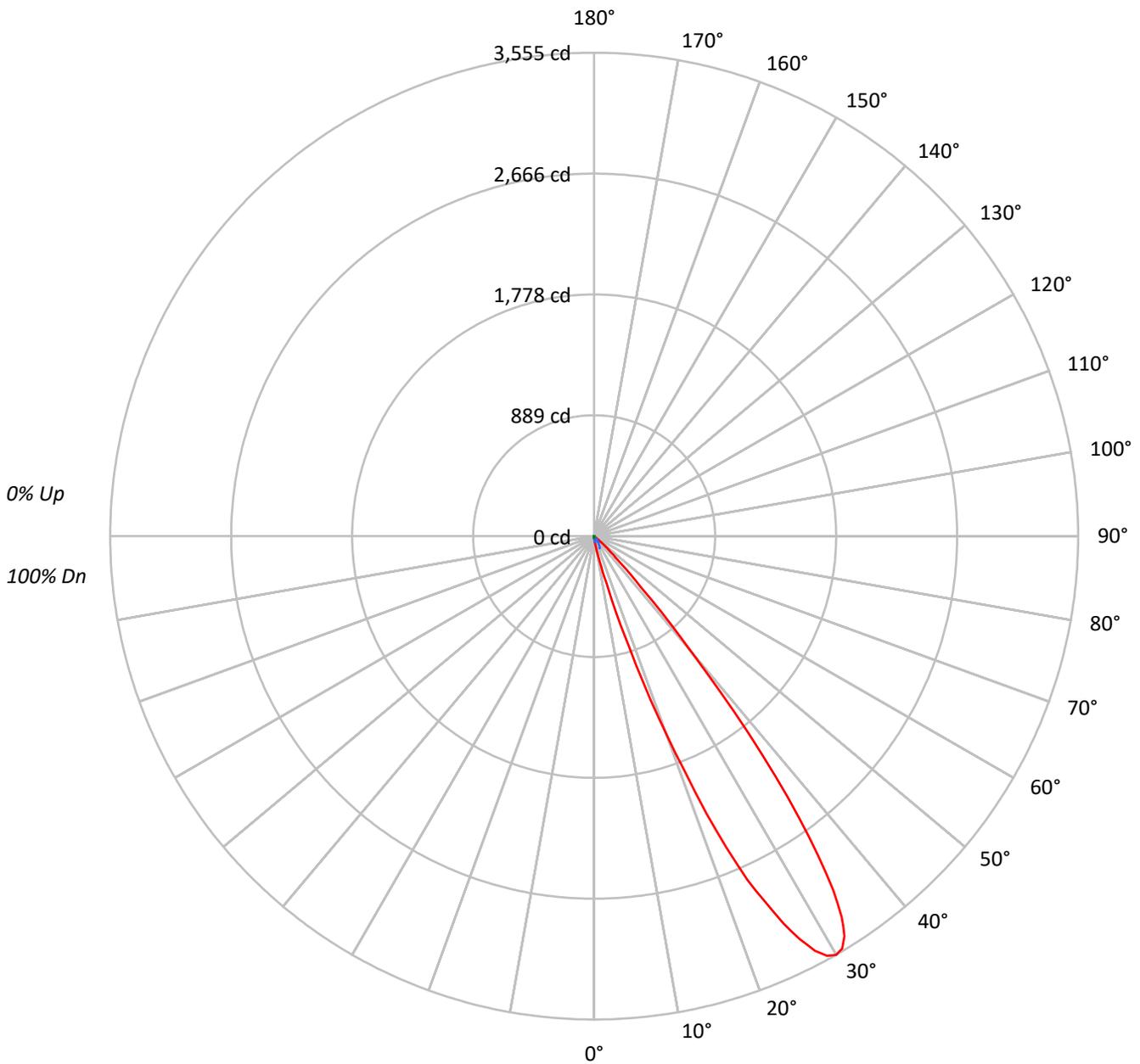
Test Method: LM-79-2019  
Report Number: P1324227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 376.0 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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



— 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	94	96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	2308	2308	2308	2308	2308
5°	6690	5065	1988	813	553
10°	17418	7537	1312	0	0
15°	69643	12338	713	0	0
20°	284572	18181	220	0	0
25°	562517	18034	0	0	0
30°	707027	14239	0	0	0
35°	603256	8725	0	0	0
40°	248359	2765	0	0	0
45°	53729	1145	0	0	0
50°	6886	0	0	0	0
55°	601	0	120	0	0
60°	0	0	276	0	0
65°	0	0	326	0	0
70°	0	201	604	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°  
 Vertical Angle: 45°  
 Luminance: 56238 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	26.4	7.0
20°-30°	153.6	40.8
30°-40°	164.7	43.8
40°-50°	27.8	7.4
50°-60°	0.8	0.2
60°-70°	0.2	0.1
70°-80°	0.4	0.1
80°-90°	0.3	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°	181.7	48.3
0°-40°	346.4	92.1
0°-60°	375.1	99.7
0°-90°	376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	39	29	12	5	3	5
15°	391	69	4	0	0	181
25°	2960	95	0	0	0	1339
35°	2869	42	0	0	0	1649
45°	221	5	0	0	0	261
55°	2	0	0	0	0	5
65°	0	0	1	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°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
2.5°	24.5	24.9	25.3	25.3	25.3	25.3	24.9	24.9	24.9	24.9	24.5
5°	38.7	38.7	38.7	38.7	38.7	38.7	38.4	38.4	38.4	38.4	38.4
7.5°	55.4	54.6	55.0	53.8	54.6	54.2	53.8	54.6	54.6	52.6	52.6
10°	99.6	99.2	95.3	96.1	96.9	96.5	96.5	94.1	93.7	92.1	90.5
12.5°	192.2	196.5	199.7	199.7	192.2	194.9	189.8	191.0	191.8	189.4	181.1
15°	390.6	397.8	390.2	397.4	394.6	384.3	372.8	357.4	363.4	352.7	349.1
17.5°	855.6	871.8	865.1	832.3	843.0	817.7	801.8	795.9	779.3	729.9	709.3
20°	1552.7	1572.4	1553.9	1515.5	1527.8	1479.9	1467.7	1456.2	1382.7	1355.8	1269.6
21°	1846.0	1862.3	1869.4	1829.4	1804.9	1767.0	1735.3	1725.1	1680.4	1628.6	1540.0
22°	2200.3	2181.3	2138.6	2144.2	2107.8	2076.6	2032.7	1991.2	1941.3	1869.0	1795.8
23°	2493.7	2471.5	2451.4	2426.9	2387.7	2365.6	2302.7	2257.2	2192.4	2114.9	2044.5
24°	2766.9	2732.9	2720.2	2676.8	2665.7	2615.9	2564.9	2505.6	2427.3	2344.6	2266.7
25°	2960.2	2965.4	2954.3	2949.2	2892.6	2841.6	2791.0	2699.7	2632.9	2559.7	2439.9
26°	3167.4	3169.8	3164.3	3126.3	3075.3	3025.5	2960.2	2880.8	2783.9	2702.8	2594.5
27°	3326.0	3316.5	3308.6	3263.5	3221.6	3158.7	3099.4	3005.3	2910.8	2814.3	2688.6
28°	3452.5	3434.7	3424.8	3386.1	3337.0	3259.9	3187.2	3099.4	3004.9	2901.3	2765.3
29°	3528.8	3509.8	3498.8	3456.1	3399.5	3331.9	3258.4	3161.9	3060.3	2944.8	2808.0
30°	3555.3	3544.2	3526.8	3482.5	3424.0	3353.7	3278.1	3173.4	3067.0	2948.8	2804.1
31°	3537.9	3523.7	3507.1	3459.2	3396.0	3328.7	3241.0	3131.0	3019.2	2906.5	2753.1
32°	3468.7	3460.0	3439.8	3375.8	3324.4	3237.4	3150.8	3048.0	2925.8	2804.9	2666.1
33°	3339.0	3324.8	3307.4	3248.9	3183.2	3099.8	3013.6	2908.4	2787.1	2659.4	2506.7
34°	3141.3	3123.1	3101.4	3062.3	2978.4	2906.1	2806.4	2683.5	2583.0	2460.5	2322.5
35°	2869.3	2842.8	2816.7	2787.1	2693.0	2626.1	2558.9	2451.8	2354.9	2239.5	2083.3
36°	2564.1	2553.8	2532.4	2454.2	2423.7	2332.8	2278.6	2155.6	2077.3	1964.3	1835.4
37°	2218.9	2158.4	2189.2	2145.4	2053.6	2025.2	1960.7	1855.1	1770.5	1651.1	1557.8
38°	1848.8	1809.3	1831.0	1786.7	1738.9	1673.3	1624.2	1547.1	1452.2	1358.5	1270.0
39°	1465.3	1433.3	1457.0	1426.9	1354.2	1326.9	1283.4	1224.5	1148.2	1075.1	991.2
40°	1104.7	1063.6	1095.2	1052.5	1019.3	974.6	952.5	898.3	850.9	807.0	753.6
42.5°	504.5	500.2	493.0	477.6	474.1	474.5	447.2	429.4	405.3	377.2	360.2
45°	220.6	226.2	230.9	222.2	221.8	217.1	215.5	203.6	198.9	189.8	178.7
47.5°	108.7	110.7	109.5	111.9	109.9	106.8	106.0	104.4	99.6	99.2	94.1
50°	25.7	25.3	25.3	25.7	25.3	25.3	24.9	24.1	23.7	24.1	22.9
52.5°	8.3	8.7	8.3	7.9	8.3	8.7	8.3	8.3	8.3	8.3	8.3
55°	2.0	2.0	2.0	2.0	2.0	2.0	1.6	1.6	2.0	2.0	2.0
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°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
2.5°	24.1	20.6	17.0	13.4	9.9	7.9	7.5	7.1
5°	36.4	29.3	19.4	11.5	6.7	4.7	3.6	3.2
7.5°	49.0	36.4	21.4	9.5	4.7	2.0	0.8	0.4
10°	70.4	43.1	22.1	7.5	2.4	0.0	0.0	0.0
12.5°	138.0	49.4	21.7	5.9	0.4	0.0	0.0	0.0
15°	229.3	69.2	20.2	4.0	0.0	0.0	0.0	0.0
17.5°	375.6	89.4	17.4	2.8	0.0	0.0	0.0	0.0
20°	582.4	99.2	13.4	1.2	0.0	0.0	0.0	0.0
21°	682.8	100.0	11.9	0.8	0.0	0.0	0.0	0.0
22°	769.8	100.0	10.3	0.4	0.0	0.0	0.0	0.0
23°	850.5	98.8	9.1	0.0	0.0	0.0	0.0	0.0
24°	916.9	97.3	8.3	0.0	0.0	0.0	0.0	0.0
25°	966.7	94.9	7.5	0.0	0.0	0.0	0.0	0.0
26°	989.6	91.7	6.3	0.0	0.0	0.0	0.0	0.0
27°	1001.1	87.4	5.5	0.0	0.0	0.0	0.0	0.0
28°	993.2	82.6	4.7	0.0	0.0	0.0	0.0	0.0
29°	973.4	77.5	3.6	0.0	0.0	0.0	0.0	0.0
30°	947.7	71.6	2.8	0.0	0.0	0.0	0.0	0.0
31°	910.2	65.6	2.0	0.0	0.0	0.0	0.0	0.0
32°	858.8	59.7	1.6	0.0	0.0	0.0	0.0	0.0
33°	790.0	53.4	0.8	0.0	0.0	0.0	0.0	0.0
34°	705.0	47.1	0.4	0.0	0.0	0.0	0.0	0.0
35°	609.7	41.5	0.0	0.0	0.0	0.0	0.0	0.0
36°	527.8	35.6	0.0	0.0	0.0	0.0	0.0	0.0
37°	445.6	28.5	0.0	0.0	0.0	0.0	0.0	0.0
38°	373.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0
39°	308.8	18.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	255.8	12.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	141.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	85.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	49.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.4	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.8	1.2	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	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	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	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)