

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: P1324224

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

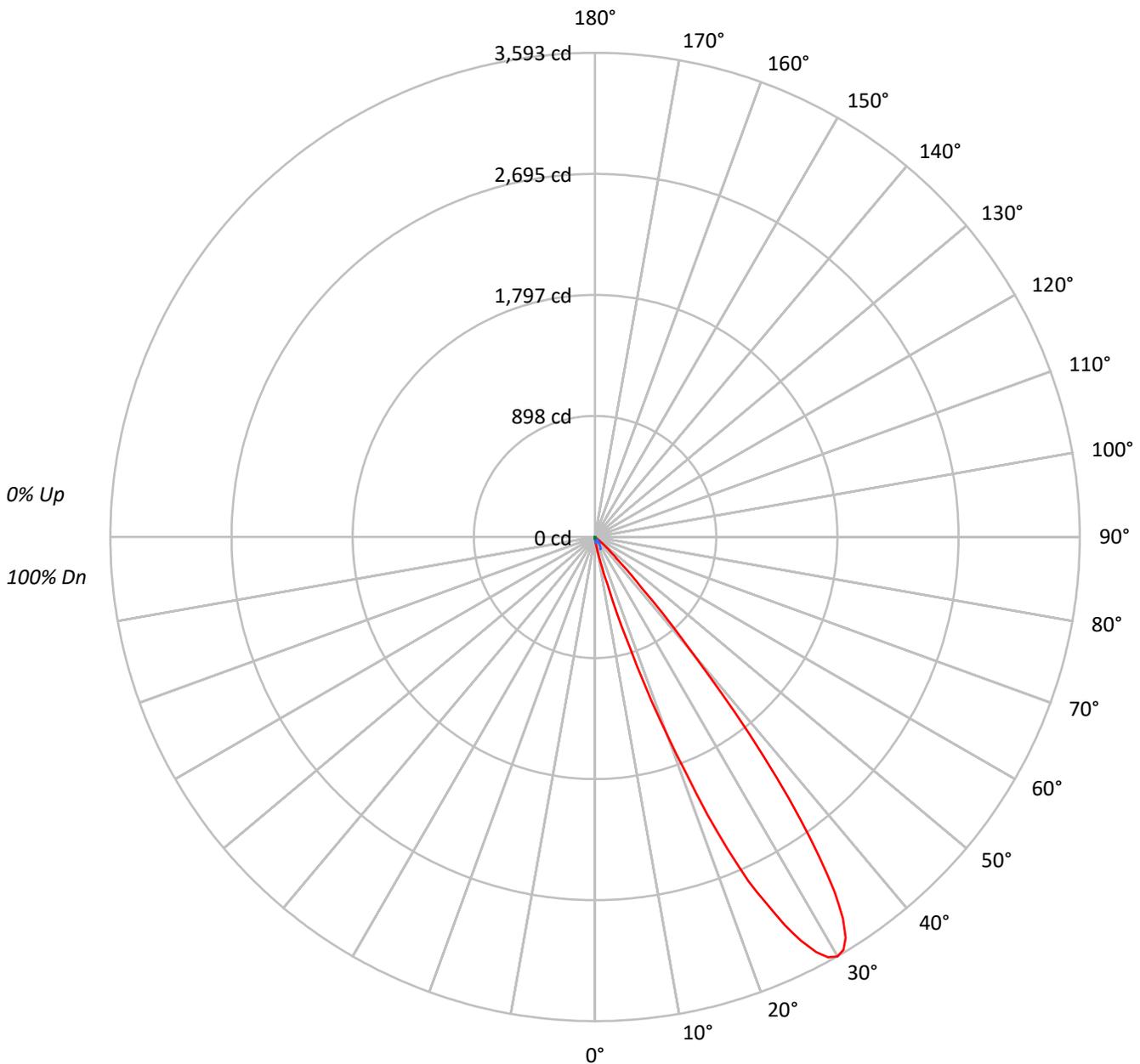
Test Method: LM-79-2019  
Report Number: P1324224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 380.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	2342	2342	2342	2342	2342
5°	6777	5117	2005	830	553
10°	17610	7625	1329	0	0
15°	70392	12463	713	0	0
20°	287596	18383	220	0	0
25°	568503	18224	0	0	0
30°	714544	14378	0	0	0
35°	609669	8830	0	0	0
40°	251012	2788	0	0	0
45°	54314	1169	0	0	0
50°	6966	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: 56847 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	26.6	7.0
20°-30°	155.2	40.8
30°-40°	166.4	43.8
40°-50°	28.1	7.4
50°-60°	0.9	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°	183.7	48.3
0°-40°	350.1	92.1
0°-60°	379.1	99.7
0°-90°	380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	39	30	12	5	3	5
15°	395	70	4	0	0	183
25°	2992	96	0	0	0	1354
35°	2900	42	0	0	0	1667
45°	223	5	0	0	0	263
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°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	24.8	25.2	25.6	25.6	25.6	25.6	25.2	25.2	25.2	25.2	24.8
5°	39.2	39.2	39.2	39.2	39.2	39.2	38.8	38.8	38.8	38.8	38.8
7.5°	55.9	55.1	55.5	54.3	55.1	54.7	54.3	55.1	55.1	53.1	53.1
10°	100.7	100.3	96.3	97.1	97.9	97.5	97.5	95.1	94.7	93.1	91.5
12.5°	194.2	198.6	201.8	201.8	194.2	197.0	191.8	193.0	193.8	191.4	183.0
15°	394.8	402.0	394.4	401.6	398.8	388.4	376.8	361.2	367.2	356.4	352.8
17.5°	864.7	881.1	874.3	841.1	851.9	826.4	810.4	804.4	787.6	737.6	716.9
20°	1569.2	1589.2	1570.4	1531.6	1544.0	1495.7	1483.3	1471.7	1397.4	1370.2	1283.1
21°	1865.7	1882.1	1889.3	1848.9	1824.1	1785.8	1753.8	1743.4	1698.3	1645.9	1556.4
22°	2223.7	2204.5	2161.4	2167.0	2130.2	2098.6	2054.3	2012.3	1962.0	1888.9	1814.9
23°	2520.2	2497.8	2477.5	2452.7	2413.1	2390.8	2327.2	2281.3	2215.7	2137.4	2066.3
24°	2796.3	2762.0	2749.2	2705.2	2694.0	2643.7	2592.1	2532.2	2453.1	2369.6	2290.9
25°	2991.7	2996.9	2985.7	2980.5	2923.4	2871.9	2820.7	2728.4	2660.9	2586.9	2465.9
26°	3201.1	3203.5	3197.9	3159.6	3108.0	3057.7	2991.7	2911.4	2813.5	2731.6	2622.1
27°	3361.4	3351.8	3343.8	3298.2	3255.9	3192.3	3132.4	3037.3	2941.8	2844.3	2717.2
28°	3489.2	3471.2	3461.3	3422.1	3372.5	3294.6	3221.1	3132.4	3036.9	2932.2	2794.7
29°	3566.3	3547.2	3536.0	3492.8	3435.7	3367.3	3293.0	3195.5	3092.8	2976.2	2837.9
30°	3593.1	3581.9	3564.3	3519.6	3460.5	3389.3	3313.0	3207.1	3099.6	2980.1	2833.9
31°	3575.5	3561.2	3544.4	3496.0	3432.1	3364.2	3275.4	3164.4	3051.3	2937.4	2782.3
32°	3505.6	3496.8	3476.4	3411.7	3359.8	3271.8	3184.3	3080.4	2957.0	2834.7	2694.4
33°	3374.5	3360.2	3342.6	3283.4	3217.1	3132.8	3045.7	2939.4	2816.7	2687.6	2533.4
34°	3174.7	3156.4	3134.4	3094.8	3010.1	2937.0	2836.3	2712.0	2610.5	2486.7	2347.2
35°	2899.8	2873.1	2846.7	2816.7	2721.6	2654.1	2586.2	2477.9	2380.0	2263.3	2105.4
36°	2591.3	2581.0	2559.4	2480.3	2449.5	2357.6	2302.8	2178.6	2099.4	1985.2	1854.9
37°	2242.5	2181.4	2212.5	2168.2	2075.5	2046.7	1981.6	1874.9	1789.4	1668.7	1574.4
38°	1868.5	1828.5	1850.5	1805.7	1757.4	1691.1	1641.5	1563.6	1467.7	1373.0	1283.5
39°	1480.9	1448.5	1472.5	1442.1	1368.6	1341.0	1297.1	1237.5	1160.4	1086.5	1001.8
40°	1116.5	1074.9	1106.9	1063.7	1030.1	985.0	962.6	907.9	859.9	815.6	761.6
42.5°	509.9	505.5	498.3	482.7	479.1	479.5	451.9	434.0	409.6	381.2	364.0
45°	223.0	228.6	233.4	224.6	224.2	219.4	217.8	205.8	201.0	191.8	180.6
47.5°	109.9	111.9	110.7	113.1	111.1	107.9	107.1	105.5	100.7	100.3	95.1
50°	26.0	25.6	25.6	26.0	25.6	25.6	25.2	24.4	24.0	24.4	23.2
52.5°	8.4	8.8	8.4	8.0	8.4	8.8	8.4	8.4	8.4	8.4	8.4
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°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	24.4	20.8	17.2	13.6	10.0	8.0	7.6	7.2
5°	36.8	29.6	19.6	11.6	6.8	4.8	3.6	3.2
7.5°	49.5	36.8	21.6	9.6	4.8	2.0	0.8	0.4
10°	71.1	43.6	22.4	7.6	2.4	0.0	0.0	0.0
12.5°	139.5	49.9	22.0	6.0	0.4	0.0	0.0	0.0
15°	231.8	69.9	20.4	4.0	0.0	0.0	0.0	0.0
17.5°	379.6	90.3	17.6	2.8	0.0	0.0	0.0	0.0
20°	588.6	100.3	13.6	1.2	0.0	0.0	0.0	0.0
21°	690.1	101.1	12.0	0.8	0.0	0.0	0.0	0.0
22°	778.0	101.1	10.4	0.4	0.0	0.0	0.0	0.0
23°	859.5	99.9	9.2	0.0	0.0	0.0	0.0	0.0
24°	926.7	98.3	8.4	0.0	0.0	0.0	0.0	0.0
25°	977.0	95.9	7.6	0.0	0.0	0.0	0.0	0.0
26°	1000.2	92.7	6.4	0.0	0.0	0.0	0.0	0.0
27°	1011.8	88.3	5.6	0.0	0.0	0.0	0.0	0.0
28°	1003.8	83.5	4.8	0.0	0.0	0.0	0.0	0.0
29°	983.8	78.3	3.6	0.0	0.0	0.0	0.0	0.0
30°	957.8	72.3	2.8	0.0	0.0	0.0	0.0	0.0
31°	919.9	66.3	2.0	0.0	0.0	0.0	0.0	0.0
32°	867.9	60.3	1.6	0.0	0.0	0.0	0.0	0.0
33°	798.4	53.9	0.8	0.0	0.0	0.0	0.0	0.0
34°	712.5	47.6	0.4	0.0	0.0	0.0	0.0	0.0
35°	616.2	42.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	533.5	36.0	0.0	0.0	0.0	0.0	0.0	0.0
37°	450.3	28.8	0.0	0.0	0.0	0.0	0.0	0.0
38°	377.2	22.8	0.0	0.0	0.0	0.0	0.0	0.0
39°	312.1	18.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	258.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	143.1	8.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	86.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	50.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.4	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)