

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: P1324220

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324220
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

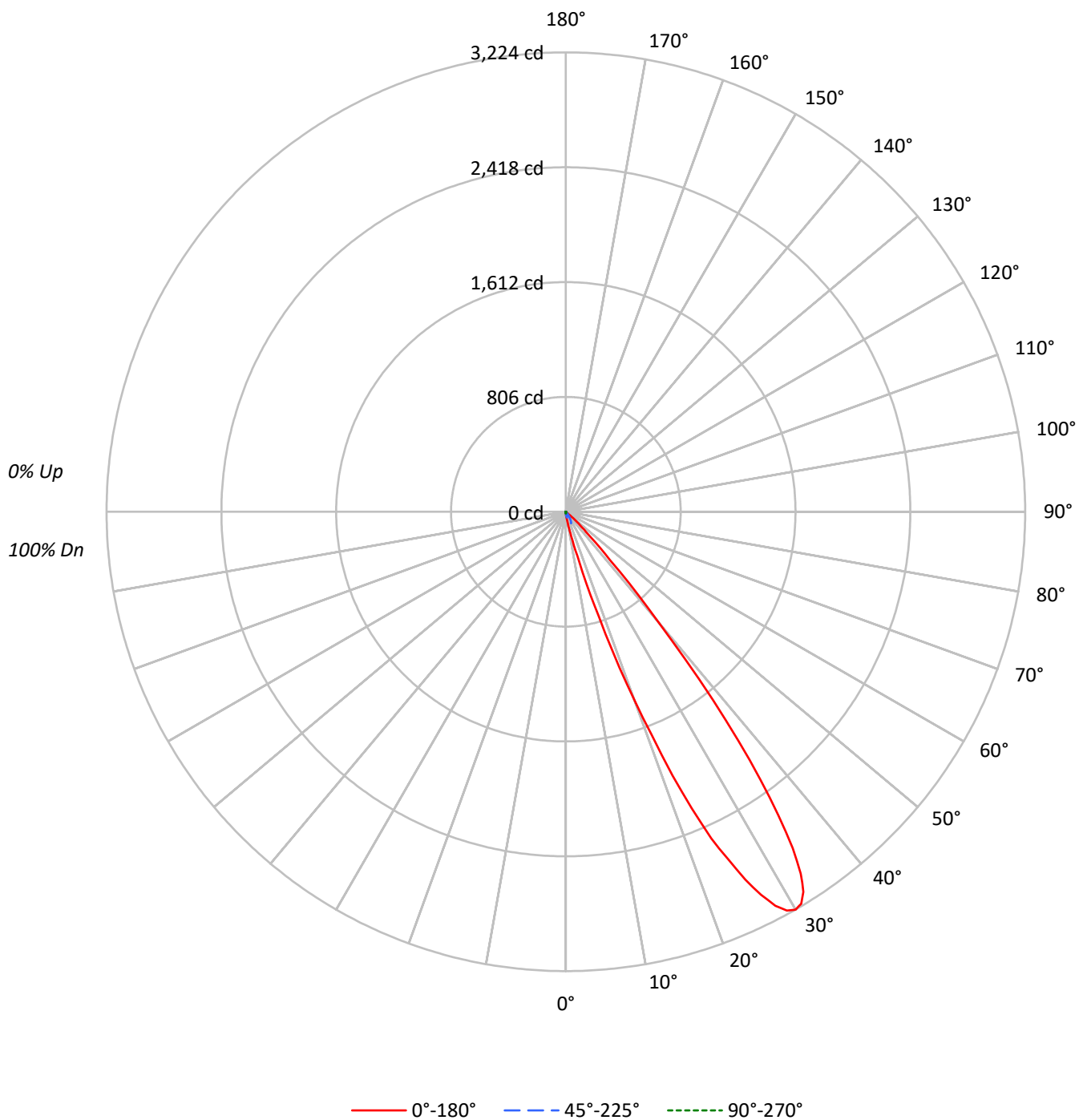
Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324220

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB_2700K

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
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		
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°	2101	2101	2101	2101	2101
5°	6068	4581	1798	743	501
10°	15809	6838	1189	0	0
15°	63171	11197	642	0	0
20°	258070	16495	202	0	0
25°	510165	16361	0	0	0
30°	641222	12906	0	0	0
35°	547100	7926	0	0	0
40°	225248	2496	0	0	0
45°	48736	1047	0	0	0
50°	6243	0	0	0	0
55°	540	0	120	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	201	554	0	0
75°	0	266	732	0	0
80°	0	397	1091	0	0
85°	0	790	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 51001 cd/sqm

TEST NUMBER: P1324220

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	23.9	7.0
20°-30°	139.3	40.8
30°-40°	149.4	43.8
40°-50°	25.2	7.4
50°-60°	0.8	0.2
60°-70°	0.2	0.1
70°-80°	0.3	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°	164.8	48.3
0°-40°	314.2	92.1
0°-60°	340.1	99.7
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	35	26	10	4	3	5
15°	354	63	4	0	0	164
25°	2685	86	0	0	0	1215
35°	2602	38	0	0	0	1495
45°	200	4	0	0	0	236
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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CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MB_2700K

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	22.2	22.6	22.9	22.9	22.9	22.9	22.6	22.6	22.6	22.6	22.2
5°	35.1	35.1	35.1	35.1	35.1	35.1	34.8	34.8	34.8	34.8	34.8
7.5°	50.2	49.5	49.8	48.8	49.5	49.1	48.8	49.5	49.5	47.7	47.7
10°	90.4	90.0	86.4	87.1	87.9	87.5	87.5	85.3	85.0	83.5	82.1
12.5°	174.3	178.2	181.1	181.1	174.3	176.8	172.1	173.2	173.9	171.8	164.2
15°	354.3	360.7	353.9	360.4	357.9	348.5	338.1	324.2	329.5	319.9	316.6
17.5°	776.0	790.7	784.6	754.8	764.5	741.5	727.2	721.8	706.8	661.9	643.3
20°	1408.1	1426.1	1409.2	1374.4	1385.6	1342.2	1331.0	1320.6	1254.0	1229.6	1151.4
21°	1674.2	1688.9	1695.4	1659.1	1636.9	1602.5	1573.8	1564.5	1524.0	1477.0	1396.7
22°	1995.5	1978.3	1939.6	1944.6	1911.6	1883.3	1843.5	1805.8	1760.6	1695.0	1628.7
23°	2261.6	2241.5	2223.2	2201.0	2165.5	2145.4	2088.4	2047.1	1988.3	1918.0	1854.2
24°	2509.3	2478.5	2467.0	2427.6	2417.5	2372.4	2326.1	2272.3	2201.3	2126.4	2055.7
25°	2684.7	2689.3	2679.3	2674.6	2623.4	2577.1	2531.2	2448.4	2387.8	2321.4	2212.8
26°	2872.6	2874.7	2869.7	2835.3	2789.0	2743.9	2684.7	2612.6	2524.8	2451.3	2353.0
27°	3016.4	3007.8	3000.6	2959.7	2921.7	2864.7	2810.9	2725.6	2639.9	2552.4	2438.3
28°	3131.1	3115.0	3106.0	3070.9	3026.4	2956.5	2890.5	2810.9	2725.2	2631.3	2507.9
29°	3200.3	3183.1	3173.1	3134.3	3083.1	3021.8	2955.1	2867.6	2775.4	2670.7	2546.6
30°	3224.4	3214.3	3198.5	3158.4	3105.3	3041.5	2973.0	2878.0	2781.5	2674.3	2543.0
31°	3208.6	3195.7	3180.6	3137.2	3079.8	3018.9	2939.3	2839.6	2738.1	2635.9	2496.8
32°	3145.8	3137.9	3119.6	3061.6	3014.9	2936.1	2857.5	2764.3	2653.5	2543.8	2417.9
33°	3028.2	3015.3	2999.5	2946.5	2886.9	2811.3	2733.1	2637.7	2527.6	2411.8	2273.4
34°	2848.9	2832.4	2812.7	2777.2	2701.2	2635.6	2545.2	2433.7	2342.6	2231.4	2106.3
35°	2602.2	2578.2	2554.5	2527.6	2442.3	2381.7	2320.7	2223.6	2135.7	2031.0	1889.4
36°	2325.4	2316.1	2296.7	2225.7	2198.1	2115.6	2066.5	1955.0	1884.0	1781.4	1664.5
37°	2012.4	1957.5	1985.5	1945.7	1862.5	1836.6	1778.2	1682.5	1605.7	1497.4	1412.8
38°	1676.7	1640.9	1660.6	1620.4	1577.0	1517.5	1473.0	1403.1	1317.1	1232.1	1151.8
39°	1328.9	1299.9	1321.4	1294.1	1228.1	1203.4	1164.0	1110.5	1041.3	975.0	899.0
40°	1001.9	964.6	993.3	954.5	924.4	883.9	863.8	814.7	771.7	731.9	683.5
42.5°	457.5	453.6	447.1	433.2	429.9	430.3	405.6	389.4	367.5	342.1	326.7
45°	200.1	205.1	209.4	201.5	201.2	196.9	195.4	184.7	180.4	172.1	162.1
47.5°	98.6	100.4	99.3	101.5	99.7	96.8	96.1	94.7	90.4	90.0	85.3
50°	23.3	22.9	22.9	23.3	22.9	22.9	22.6	21.9	21.5	21.9	20.8
52.5°	7.5	7.9	7.5	7.2	7.5	7.9	7.5	7.5	7.5	7.5	7.5
55°	1.8	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.8	1.8	1.8
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°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	21.9	18.6	15.4	12.2	9.0	7.2	6.8	6.5
5°	33.0	26.5	17.6	10.4	6.1	4.3	3.2	2.9
7.5°	44.5	33.0	19.4	8.6	4.3	1.8	0.7	0.4
10°	63.8	39.1	20.1	6.8	2.2	0.0	0.0	0.0
12.5°	125.1	44.8	19.7	5.4	0.4	0.0	0.0	0.0
15°	208.0	62.8	18.3	3.6	0.0	0.0	0.0	0.0
17.5°	340.7	81.0	15.8	2.5	0.0	0.0	0.0	0.0
20°	528.2	90.0	12.2	1.1	0.0	0.0	0.0	0.0
21°	619.3	90.7	10.8	0.7	0.0	0.0	0.0	0.0
22°	698.2	90.7	9.3	0.4	0.0	0.0	0.0	0.0
23°	771.3	89.6	8.2	0.0	0.0	0.0	0.0	0.0
24°	831.5	88.2	7.5	0.0	0.0	0.0	0.0	0.0
25°	876.7	86.1	6.8	0.0	0.0	0.0	0.0	0.0
26°	897.5	83.2	5.7	0.0	0.0	0.0	0.0	0.0
27°	907.9	79.2	5.0	0.0	0.0	0.0	0.0	0.0
28°	900.8	74.9	4.3	0.0	0.0	0.0	0.0	0.0
29°	882.8	70.3	3.2	0.0	0.0	0.0	0.0	0.0
30°	859.5	64.9	2.5	0.0	0.0	0.0	0.0	0.0
31°	825.5	59.5	1.8	0.0	0.0	0.0	0.0	0.0
32°	778.8	54.1	1.4	0.0	0.0	0.0	0.0	0.0
33°	716.4	48.4	0.7	0.0	0.0	0.0	0.0	0.0
34°	639.3	42.7	0.4	0.0	0.0	0.0	0.0	0.0
35°	552.9	37.7	0.0	0.0	0.0	0.0	0.0	0.0
36°	478.7	32.3	0.0	0.0	0.0	0.0	0.0	0.0
37°	404.1	25.8	0.0	0.0	0.0	0.0	0.0	0.0
38°	338.5	20.4	0.0	0.0	0.0	0.0	0.0	0.0
39°	280.1	16.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	232.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	128.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	77.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	45.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.4	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	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.7	0.4	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.7	1.1	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.7	1.1	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	0.7	1.1	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.7	1.1	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)