

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: P1324147

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQCA30R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324147
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: LDSQA3D05R15W2N902750DE010 3LSQCA30R 1MMS_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

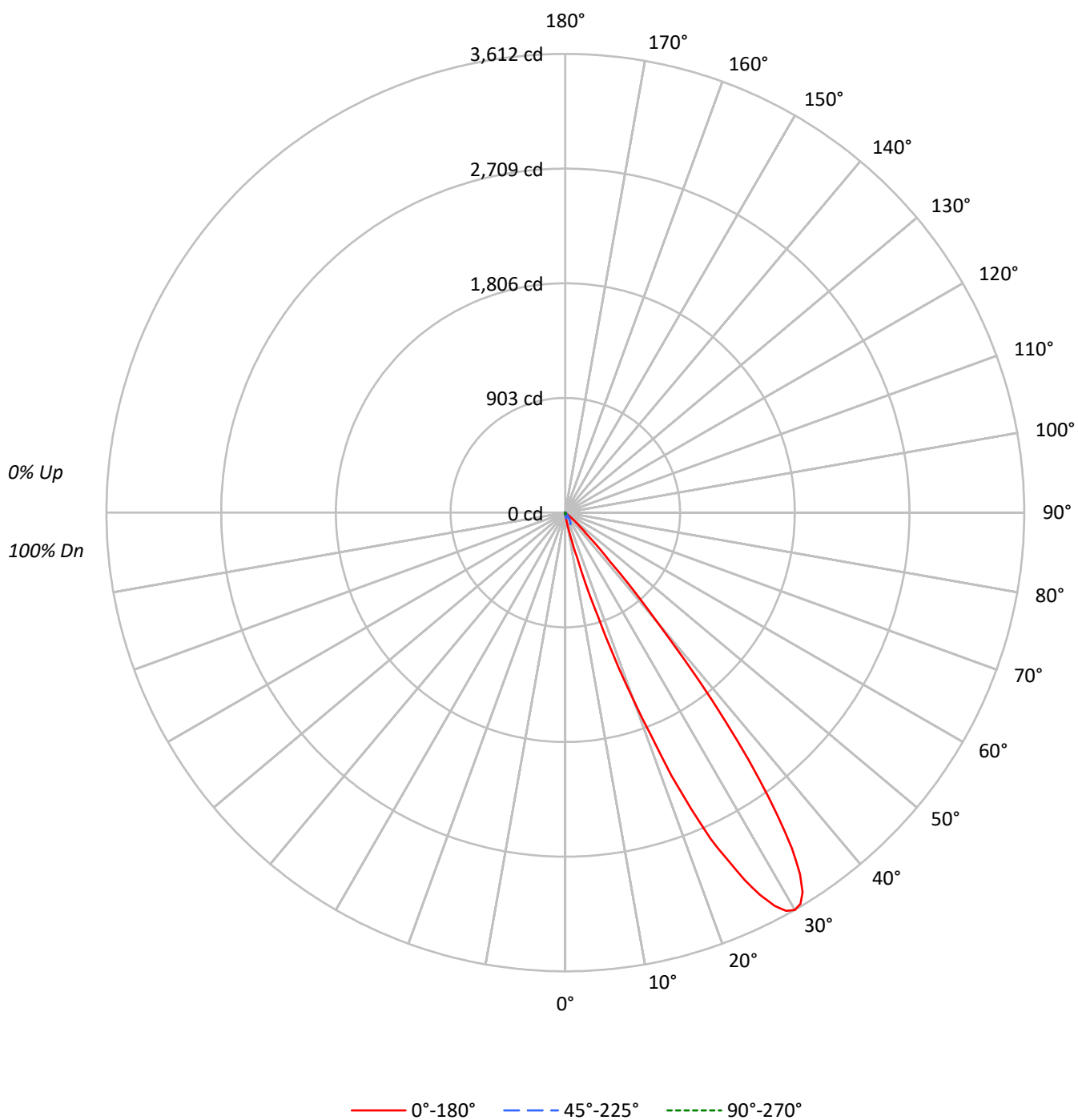
Lumens per Lamp: N/A
Luminaire Lumens: 382.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.37 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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
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°	2359	2359	2359	2359	2359
5°	6811	5135	2005	830	553
10°	17698	7660	1329	0	0
15°	70766	12534	713	0	0
20°	289117	18474	220	0	0
25°	571505	18319	0	0	0
30°	718302	14458	0	0	0
35°	612885	8872	0	0	0
40°	252316	2810	0	0	0
45°	54582	1169	0	0	0
50°	6993	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: 57139 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	26.8	7.0
20°-30°	156.0	40.8
30°-40°	167.3	43.8
40°-50°	28.2	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°	184.6	48.3
0°-40°	352.0	92.1
0°-60°	381.0	99.8
0°-90°	382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	382.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	39	30	12	5	3	5
15°	397	70	4	0	0	184
25°	3008	96	0	0	0	1361
35°	2915	42	0	0	0	1675
45°	224	5	0	0	0	265
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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	24.9	25.3	25.7	25.7	25.7	25.7	25.3	25.3	25.3	25.3	24.9
5°	39.4	39.4	39.4	39.4	39.4	39.4	39.0	39.0	39.0	39.0	39.0
7.5°	56.2	55.4	55.8	54.6	55.4	55.0	54.6	55.4	55.4	53.4	53.4
10°	101.2	100.8	96.8	97.6	98.4	98.0	98.0	95.6	95.2	93.6	92.0
12.5°	195.2	199.6	202.9	202.9	195.2	198.0	192.8	194.0	194.8	192.4	184.0
15°	396.9	404.1	396.5	403.7	400.9	390.4	378.8	363.1	369.2	358.3	354.7
17.5°	869.3	885.7	878.9	845.6	856.4	830.7	814.6	808.6	791.7	741.5	720.6
20°	1577.5	1597.5	1578.7	1539.7	1552.1	1503.5	1491.1	1479.4	1404.7	1377.4	1289.8
21°	1875.5	1892.0	1899.2	1858.6	1833.7	1795.2	1763.0	1752.6	1707.2	1654.6	1564.6
22°	2235.4	2216.1	2172.8	2178.4	2141.4	2109.7	2065.1	2022.9	1972.3	1898.8	1824.5
23°	2533.5	2511.0	2490.5	2465.6	2425.8	2403.3	2339.5	2293.3	2227.4	2148.7	2077.2
24°	2811.1	2776.5	2763.7	2719.5	2708.2	2657.6	2605.8	2545.5	2466.0	2382.0	2302.9
25°	3007.5	3012.7	3001.5	2996.2	2938.8	2887.0	2835.6	2742.8	2674.9	2600.6	2478.9
26°	3218.0	3220.4	3214.8	3176.2	3124.4	3073.8	3007.5	2926.7	2828.3	2746.0	2635.9
27°	3379.0	3369.4	3361.4	3315.6	3273.0	3209.1	3148.9	3053.3	2957.3	2859.3	2731.5
28°	3507.6	3489.5	3479.5	3440.1	3390.3	3312.0	3238.1	3148.9	3052.9	2947.6	2809.4
29°	3585.1	3565.8	3554.6	3511.2	3453.8	3385.1	3310.4	3212.3	3109.1	2991.8	2852.8
30°	3612.0	3600.8	3583.1	3538.1	3478.7	3407.2	3330.4	3224.0	3115.9	2995.8	2848.8
31°	3594.4	3579.9	3563.0	3514.4	3450.1	3381.9	3292.7	3181.0	3067.3	2952.9	2797.0
32°	3524.1	3515.2	3494.7	3429.7	3377.4	3289.1	3201.1	3096.7	2972.5	2849.6	2708.6
33°	3392.3	3377.8	3360.2	3300.7	3234.0	3149.3	3061.7	2954.9	2831.5	2701.8	2546.7
34°	3191.5	3173.0	3150.9	3111.1	3026.0	2952.4	2851.2	2726.3	2624.3	2499.7	2359.5
35°	2915.1	2888.2	2861.7	2831.5	2735.9	2668.0	2599.8	2490.9	2392.5	2275.2	2116.5
36°	2605.0	2594.5	2572.8	2493.3	2462.4	2370.0	2315.0	2190.0	2110.5	1995.6	1864.7
37°	2254.3	2192.8	2224.2	2179.6	2086.4	2057.5	1992.0	1884.7	1798.8	1677.5	1582.7
38°	1878.3	1838.2	1860.2	1815.3	1766.6	1700.0	1650.2	1571.8	1475.4	1380.2	1290.2
39°	1488.7	1456.1	1480.2	1449.7	1375.8	1348.1	1303.9	1244.0	1166.5	1092.2	1007.0
40°	1122.3	1080.6	1112.7	1069.3	1035.6	990.2	967.7	912.6	864.4	819.9	765.6
42.5°	512.6	508.1	500.9	485.2	481.6	482.0	454.3	436.2	411.7	383.2	365.9
45°	224.1	229.8	234.6	225.8	225.4	220.5	218.9	206.9	202.1	192.8	181.6
47.5°	110.5	112.5	111.3	113.7	111.7	108.5	107.7	106.0	101.2	100.8	95.6
50°	26.1	25.7	25.7	26.1	25.7	25.7	25.3	24.5	24.1	24.5	23.3
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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	24.5	20.9	17.3	13.7	10.0	8.0	7.6	7.2
5°	37.0	29.7	19.7	11.6	6.8	4.8	3.6	3.2
7.5°	49.8	37.0	21.7	9.6	4.8	2.0	0.8	0.4
10°	71.5	43.8	22.5	7.6	2.4	0.0	0.0	0.0
12.5°	140.2	50.2	22.1	6.0	0.4	0.0	0.0	0.0
15°	233.0	70.3	20.5	4.0	0.0	0.0	0.0	0.0
17.5°	381.6	90.8	17.7	2.8	0.0	0.0	0.0	0.0
20°	591.7	100.8	13.7	1.2	0.0	0.0	0.0	0.0
21°	693.7	101.6	12.1	0.8	0.0	0.0	0.0	0.0
22°	782.1	101.6	10.4	0.4	0.0	0.0	0.0	0.0
23°	864.0	100.4	9.2	0.0	0.0	0.0	0.0	0.0
24°	931.5	98.8	8.4	0.0	0.0	0.0	0.0	0.0
25°	982.1	96.4	7.6	0.0	0.0	0.0	0.0	0.0
26°	1005.4	93.2	6.4	0.0	0.0	0.0	0.0	0.0
27°	1017.1	88.8	5.6	0.0	0.0	0.0	0.0	0.0
28°	1009.1	84.0	4.8	0.0	0.0	0.0	0.0	0.0
29°	989.0	78.7	3.6	0.0	0.0	0.0	0.0	0.0
30°	962.9	72.7	2.8	0.0	0.0	0.0	0.0	0.0
31°	924.7	66.7	2.0	0.0	0.0	0.0	0.0	0.0
32°	872.5	60.7	1.6	0.0	0.0	0.0	0.0	0.0
33°	802.6	54.2	0.8	0.0	0.0	0.0	0.0	0.0
34°	716.2	47.8	0.4	0.0	0.0	0.0	0.0	0.0
35°	619.4	42.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	536.3	36.2	0.0	0.0	0.0	0.0	0.0	0.0
37°	452.7	28.9	0.0	0.0	0.0	0.0	0.0	0.0
38°	379.2	22.9	0.0	0.0	0.0	0.0	0.0	0.0
39°	313.7	18.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	259.9	12.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	143.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	87.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	50.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.3	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)