

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: P1323573

Luminaire Tested: LDSQA3D05R209030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

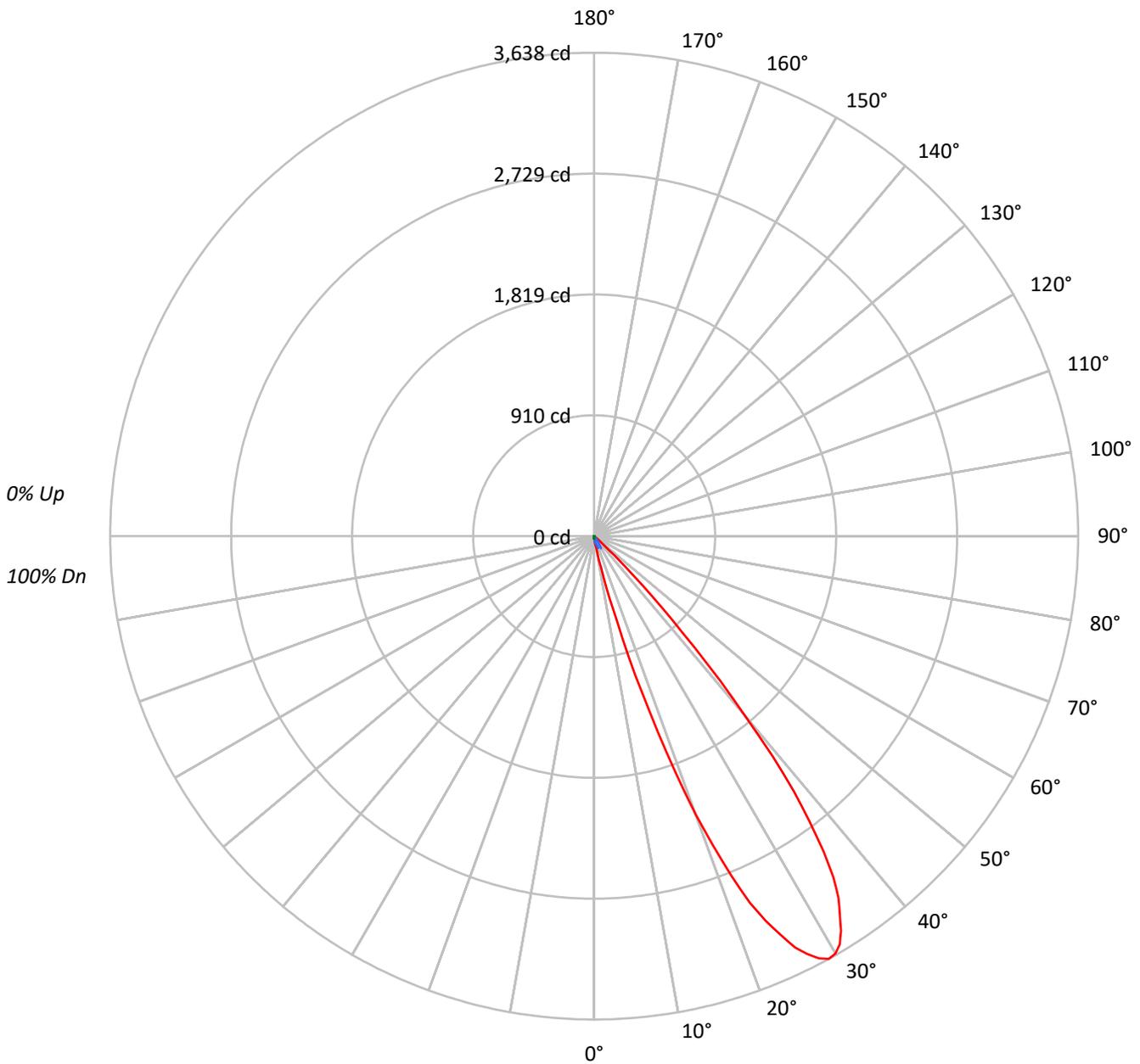
Test Method: LM-79-2019  
Report Number: P1323573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 502.0 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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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CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQCA30R 1MMS

**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	96	92	104	98	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	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	70	66	63	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	65	60	57	55
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	60	55	51	50
8	71	59	52	47	69	59	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°	3100	3100	3100	3100	3100
5°	6725	4754	2853	1297	951
10°	16771	8377	2011	262	0
15°	117944	11482	1159	0	0
20°	407641	19299	458	0	0
25°	628342	24665	190	0	0
30°	721206	19071	0	0	0
35°	658656	7232	0	0	0
40°	394875	3372	0	0	0
45°	97034	1583	0	0	0
50°	10690	402	0	0	0
55°	1501	0	150	0	0
60°	0	0	344	0	0
65°	0	0	408	0	0
70°	0	252	755	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 1°  
 Vertical Angle: 45°  
 Luminance: 103488 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.4
10°-20°	39.2	7.8
20°-30°	198.3	39.5
30°-40°	214.6	42.7
40°-50°	45.3	9.0
50°-60°	1.4	0.3
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.4	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°	239.6	47.7
0°-40°	454.1	90.5
0°-60°	500.8	99.8
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	39	28	16	8	6	5
15°	662	64	6	0	0	276
25°	3307	130	1	0	0	1495
35°	3133	34	0	0	0	1847
45°	398	6	0	0	0	438
55°	5	0	0	0	0	9
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	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°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	24.5	24.0	24.5	24.0	24.5	24.5	24.5	24.0	24.0	24.0	24.0
5°	38.9	38.9	38.4	38.9	38.9	38.9	38.9	38.4	38.4	37.9	37.9
7.5°	61.4	61.4	60.9	60.9	61.4	61.9	59.9	60.9	60.9	60.9	60.4
10°	95.9	97.9	95.9	98.4	96.4	94.9	97.4	94.9	94.9	94.4	92.9
12.5°	241.6	236.1	232.7	224.2	232.7	226.2	227.7	226.2	221.2	214.7	210.7
15°	661.5	661.5	642.0	668.0	649.0	656.0	620.1	620.6	602.1	582.1	571.1
17.5°	1382.9	1395.4	1382.4	1374.5	1357.5	1333.0	1323.0	1297.6	1264.1	1225.2	1220.7
20°	2224.2	2171.8	2196.2	2173.8	2159.8	2129.8	2096.4	2075.4	2046.0	1996.5	1923.6
21°	2488.8	2486.8	2486.3	2485.8	2465.3	2416.4	2385.9	2344.0	2302.6	2251.6	2190.7
22°	2755.4	2764.9	2768.9	2739.9	2698.0	2676.0	2655.0	2597.6	2532.2	2505.8	2433.4
23°	3000.0	2991.0	2965.1	2951.6	2919.2	2912.7	2850.3	2813.8	2749.9	2720.9	2635.1
24°	3166.8	3162.3	3150.3	3130.3	3104.4	3064.4	3027.0	2969.6	2917.2	2869.7	2789.8
25°	3306.6	3310.6	3288.6	3275.1	3247.2	3202.2	3156.3	3093.4	3044.5	2989.0	2896.7
26°	3444.9	3416.9	3399.4	3379.5	3349.0	3297.6	3253.2	3196.7	3137.3	3075.4	2985.1
27°	3530.2	3505.3	3478.8	3459.3	3424.4	3375.5	3328.0	3265.6	3199.2	3136.8	3044.0
28°	3597.6	3570.2	3544.2	3520.8	3480.8	3428.4	3371.5	3308.1	3239.2	3174.8	3079.9
29°	3637.6	3605.1	3577.2	3550.7	3514.3	3457.4	3399.9	3332.0	3265.6	3198.2	3101.4
30°	3626.6	3598.6	3571.7	3544.7	3507.8	3454.4	3397.4	3332.5	3265.6	3199.2	3100.9
31°	3583.7	3549.2	3529.7	3502.8	3470.8	3416.4	3367.5	3296.6	3236.2	3164.3	3065.9
32°	3501.3	3479.3	3453.4	3432.4	3401.4	3343.5	3295.6	3237.7	3166.3	3107.4	3004.0
33°	3389.5	3369.0	3356.0	3331.5	3301.6	3261.6	3204.2	3151.3	3070.9	3010.5	2907.2
34°	3282.6	3256.7	3224.2	3217.2	3191.2	3139.8	3087.9	3034.0	2962.1	2885.2	2780.9
35°	3132.8	3105.9	3075.9	3078.4	3047.5	2987.6	2934.6	2874.2	2805.8	2715.5	2616.6
36°	2932.6	2914.7	2910.2	2898.2	2862.7	2791.3	2740.9	2665.0	2607.6	2497.3	2412.4
37°	2688.5	2695.0	2662.5	2647.1	2605.6	2555.7	2527.2	2429.9	2363.0	2280.1	2165.3
38°	2441.9	2432.4	2393.9	2403.4	2346.5	2294.6	2214.2	2156.3	2081.4	2004.5	1912.7
39°	2133.8	2110.4	2064.4	2066.4	2023.5	1965.1	1887.2	1818.8	1773.9	1700.0	1612.1
40°	1756.4	1746.4	1730.4	1704.0	1647.5	1622.1	1552.7	1478.8	1440.9	1338.5	1295.6
42.5°	974.5	961.1	934.1	924.6	894.7	864.7	824.3	774.8	750.9	720.4	652.5
45°	398.4	424.9	418.4	410.9	387.9	389.4	360.5	364.0	337.5	319.5	307.0
47.5°	87.9	95.4	95.9	92.4	95.9	92.9	91.4	88.9	89.4	90.9	87.4
50°	39.9	39.4	40.4	39.9	39.4	38.9	38.4	36.9	37.9	36.9	35.9
52.5°	15.5	16.0	16.0	15.0	15.5	15.5	15.5	15.0	15.0	15.0	15.0
55°	5.0	5.0	5.0	4.5	4.5	5.0	5.0	5.0	5.0	5.0	4.5
57.5°	0.5	1.0	0.5	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0
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°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	23.0	21.0	19.5	18.0	15.0	12.5	11.5	11.5
5°	35.4	27.5	20.5	16.5	11.5	7.5	6.0	5.5
7.5°	53.4	36.9	21.5	14.0	7.5	4.0	2.5	2.0
10°	77.4	47.9	22.5	11.5	4.5	1.5	0.0	0.0
12.5°	135.3	57.4	22.5	9.0	2.0	0.0	0.0	0.0
15°	310.0	64.4	21.5	6.5	0.5	0.0	0.0	0.0
17.5°	644.0	80.9	19.0	4.5	0.0	0.0	0.0	0.0
20°	1028.5	105.3	15.0	2.5	0.0	0.0	0.0	0.0
21°	1186.7	113.8	13.5	2.0	0.0	0.0	0.0	0.0
22°	1300.6	121.8	12.0	1.5	0.0	0.0	0.0	0.0
23°	1425.9	126.8	10.5	1.0	0.0	0.0	0.0	0.0
24°	1518.2	129.8	9.0	1.0	0.0	0.0	0.0	0.0
25°	1575.7	129.8	8.0	1.0	0.0	0.0	0.0	0.0
26°	1609.6	126.8	7.0	0.5	0.0	0.0	0.0	0.0
27°	1617.6	121.8	6.0	0.5	0.0	0.0	0.0	0.0
28°	1607.6	115.3	5.0	0.0	0.0	0.0	0.0	0.0
29°	1576.2	105.8	4.5	0.0	0.0	0.0	0.0	0.0
30°	1542.2	95.9	3.5	0.0	0.0	0.0	0.0	0.0
31°	1484.3	82.4	3.0	0.0	0.0	0.0	0.0	0.0
32°	1417.4	68.4	2.5	0.0	0.0	0.0	0.0	0.0
33°	1328.0	53.9	2.0	0.0	0.0	0.0	0.0	0.0
34°	1196.2	42.4	2.0	0.0	0.0	0.0	0.0	0.0
35°	1077.9	34.4	1.5	0.0	0.0	0.0	0.0	0.0
36°	923.1	27.5	1.5	0.0	0.0	0.0	0.0	0.0
37°	790.8	23.0	1.5	0.0	0.0	0.0	0.0	0.0
38°	662.0	19.5	1.0	0.0	0.0	0.0	0.0	0.0
39°	537.2	17.0	1.0	0.0	0.0	0.0	0.0	0.0
40°	428.4	15.0	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	231.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	127.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	56.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	1.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0
65°	0.0	0.0	1.0	1.0	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.0	1.5	0.5	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	0.5	1.0	1.5	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.5	0.5	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)