

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: P1316602

Luminaire Tested: LDSQA3D13R359740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316602  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359740DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

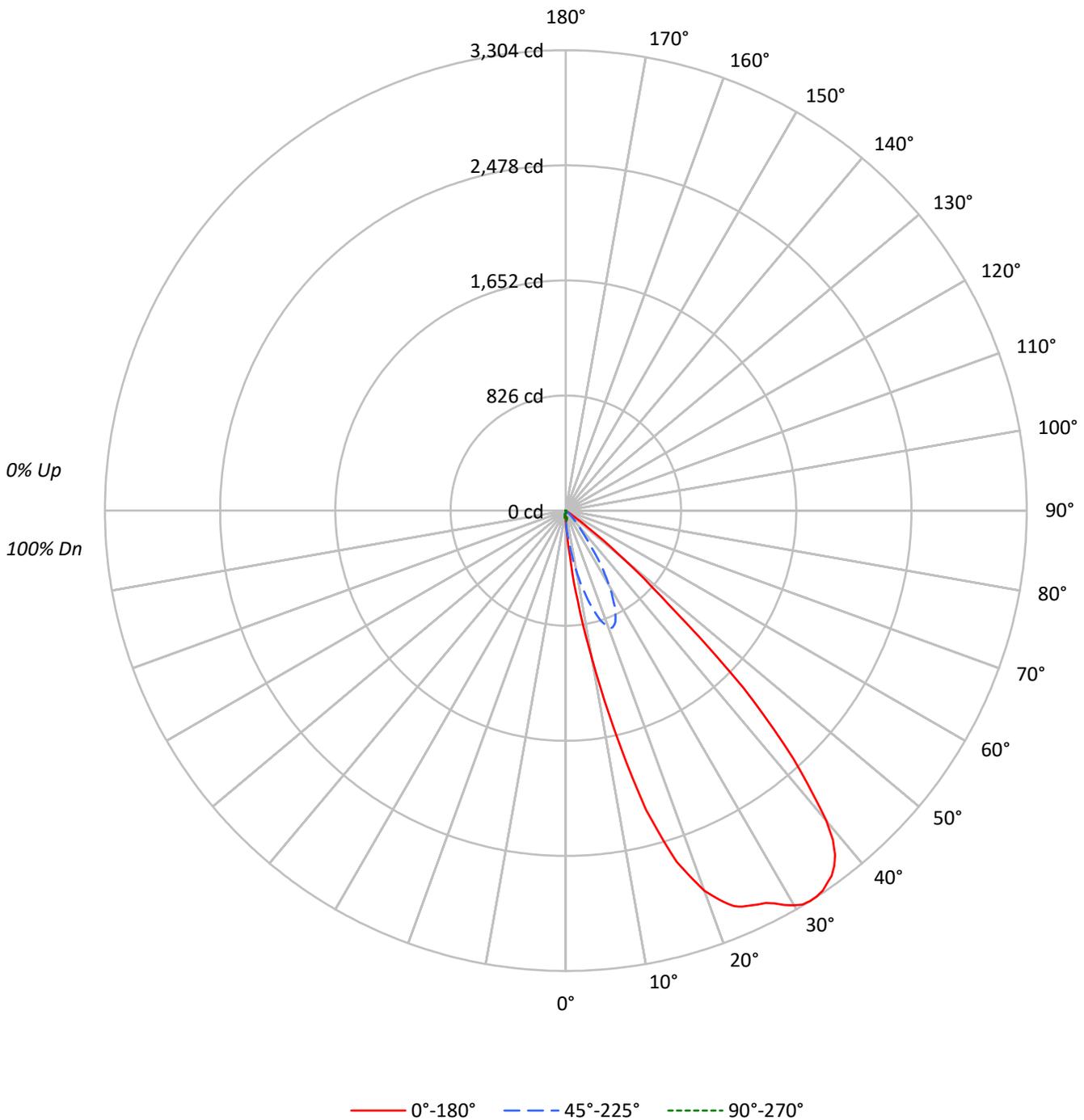
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 987.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	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	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	12813	12813	12813	12813	12813
5°	55668	34507	11877	4236	2922
10°	187383	77891	8884	979	332
15°	396553	127768	5545	0	0
20°	531701	163262	2584	0	0
25°	594213	160325	532	0	0
30°	650509	122839	0	0	0
35°	686555	66921	0	0	0
40°	652632	30059	0	0	0
45°	438042	13298	0	0	0
50°	146317	1259	0	0	0
55°	7927	0	0	0	0
60°	0	0	310	0	0
65°	0	0	774	0	0
70°	0	453	957	0	0
75°	0	599	1264	0	0
80°	0	893	1884	0	0
85°	0	1778	3754	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 438042 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.0	1.6
10°-20°	136.9	13.9
20°-30°	300.5	30.4
30°-40°	347.5	35.2
40°-50°	171.6	17.4
50°-60°	12.7	1.3
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.6	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°	453.4	45.9
0°-40°	800.9	81.2
0°-60°	985.2	99.8
0°-90°	987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	74	74	74	74	74	
5°	322	200	69	24	17	55
15°	2224	717	31	0	0	628
25°	3127	844	3	0	0	1446
35°	3266	318	0	0	0	2016
45°	1798	55	0	0	0	1320
55°	26	0	0	0	0	108
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2.5°	147.8	151.6	149.7	149.7	148.8	144.1	135.6	132.8	122.4	97.0	75.3
5°	322.0	323.0	320.1	306.0	293.8	282.5	258.0	246.7	199.6	118.6	68.7
7.5°	653.5	639.3	621.5	601.7	558.4	518.8	467.0	412.4	308.8	137.5	61.2
10°	1071.5	1051.8	1036.7	989.6	911.5	830.5	731.6	642.2	445.4	150.7	50.8
12.5°	1611.1	1599.8	1546.1	1451.9	1336.1	1219.4	1047.1	904.9	582.8	153.5	41.4
15°	2224.1	2205.2	2123.3	1989.6	1832.3	1648.7	1418.0	1178.9	716.6	145.0	31.1
17.5°	2643.1	2632.7	2562.1	2421.8	2241.0	2007.5	1734.4	1435.9	826.7	127.1	21.7
20°	2901.1	2886.0	2820.1	2701.4	2512.2	2268.3	1944.4	1599.8	890.8	104.5	14.1
21°	2967.9	2952.8	2900.1	2776.8	2596.0	2334.2	2001.8	1639.3	903.0	94.2	11.3
22°	3031.0	3015.9	2960.4	2851.2	2672.3	2399.2	2047.0	1669.5	901.1	85.7	8.5
23°	3083.7	3067.7	3013.1	2912.4	2732.5	2456.6	2080.9	1684.5	888.9	77.2	6.6
24°	3111.0	3101.6	3052.7	2957.6	2781.5	2497.1	2104.5	1690.2	873.8	68.7	4.7
25°	3127.0	3115.7	3067.7	2980.2	2813.5	2529.1	2119.5	1685.5	843.7	61.2	2.8
26°	3144.0	3127.0	3072.4	2987.7	2830.4	2544.2	2120.5	1673.2	811.7	54.6	0.9
27°	3159.1	3143.1	3086.6	2993.3	2833.3	2539.5	2112.9	1649.7	773.1	48.0	0.9
28°	3192.0	3174.1	3109.2	3005.6	2836.1	2527.2	2089.4	1617.7	722.2	42.4	0.0
29°	3235.3	3216.5	3142.1	3034.8	2842.7	2514.1	2057.4	1575.3	678.0	37.7	0.0
30°	3271.1	3254.2	3185.4	3071.5	2859.6	2501.8	2019.7	1517.9	617.7	32.0	0.0
31°	3297.5	3280.5	3217.4	3102.6	2874.7	2490.5	1972.6	1458.5	563.1	28.2	0.0
32°	3304.1	3289.9	3230.6	3115.7	2874.7	2473.6	1929.3	1391.7	509.4	23.5	0.0
33°	3301.2	3287.1	3226.9	3106.3	2849.3	2433.1	1876.6	1311.6	448.2	20.7	0.0
34°	3290.9	3273.9	3209.9	3076.2	2799.4	2364.4	1800.3	1231.6	384.2	16.9	0.0
35°	3265.5	3250.4	3180.7	3019.7	2722.2	2259.8	1698.6	1139.3	318.3	14.1	0.0
36°	3241.0	3218.4	3132.7	2950.0	2620.5	2152.5	1577.2	1032.9	261.8	11.3	0.0
37°	3195.8	3163.8	3077.1	2849.3	2476.4	2000.9	1438.8	916.2	219.4	8.5	0.0
38°	3135.5	3092.2	2982.0	2732.5	2331.4	1858.7	1308.8	810.7	184.6	5.6	0.0
39°	3042.3	2991.5	2841.7	2572.4	2163.8	1693.9	1160.0	698.7	157.2	3.8	0.0
40°	2902.9	2854.9	2689.2	2382.2	1997.1	1512.2	1007.5	572.5	133.7	1.9	0.0
42.5°	2417.1	2351.2	2159.1	1854.0	1476.4	1087.5	666.7	318.3	88.5	0.0	0.0
45°	1798.5	1740.1	1551.8	1274.0	984.0	665.7	356.9	187.4	54.6	0.0	0.0
47.5°	1016.0	1009.4	887.0	731.6	549.0	354.0	180.8	113.0	23.5	0.0	0.0
50°	546.1	512.2	441.6	335.2	228.8	154.4	97.9	62.1	4.7	0.0	0.0
52.5°	199.6	193.0	162.0	134.6	103.6	70.6	49.9	27.3	0.0	0.0	0.0
55°	26.4	24.5	25.4	27.3	28.2	24.5	16.0	5.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	1.9	1.9	1.9	0.0	0.0	0.0	0.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9
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):**

	112.5°	135°	157.5°	180°
0°	74.4	74.4	74.4	74.4
2.5°	57.4	44.3	37.7	36.7
5°	39.5	24.5	17.9	16.9
7.5°	27.3	12.2	8.5	7.5
10°	16.0	5.6	2.8	1.9
12.5°	9.4	0.9	0.0	0.0
15°	2.8	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.9	0.0	0.0	0.0
85°	0.9	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)