

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: P1323556

Luminaire Tested: LDSQA3D05R159030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323556
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: LDSQA3D05R159030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

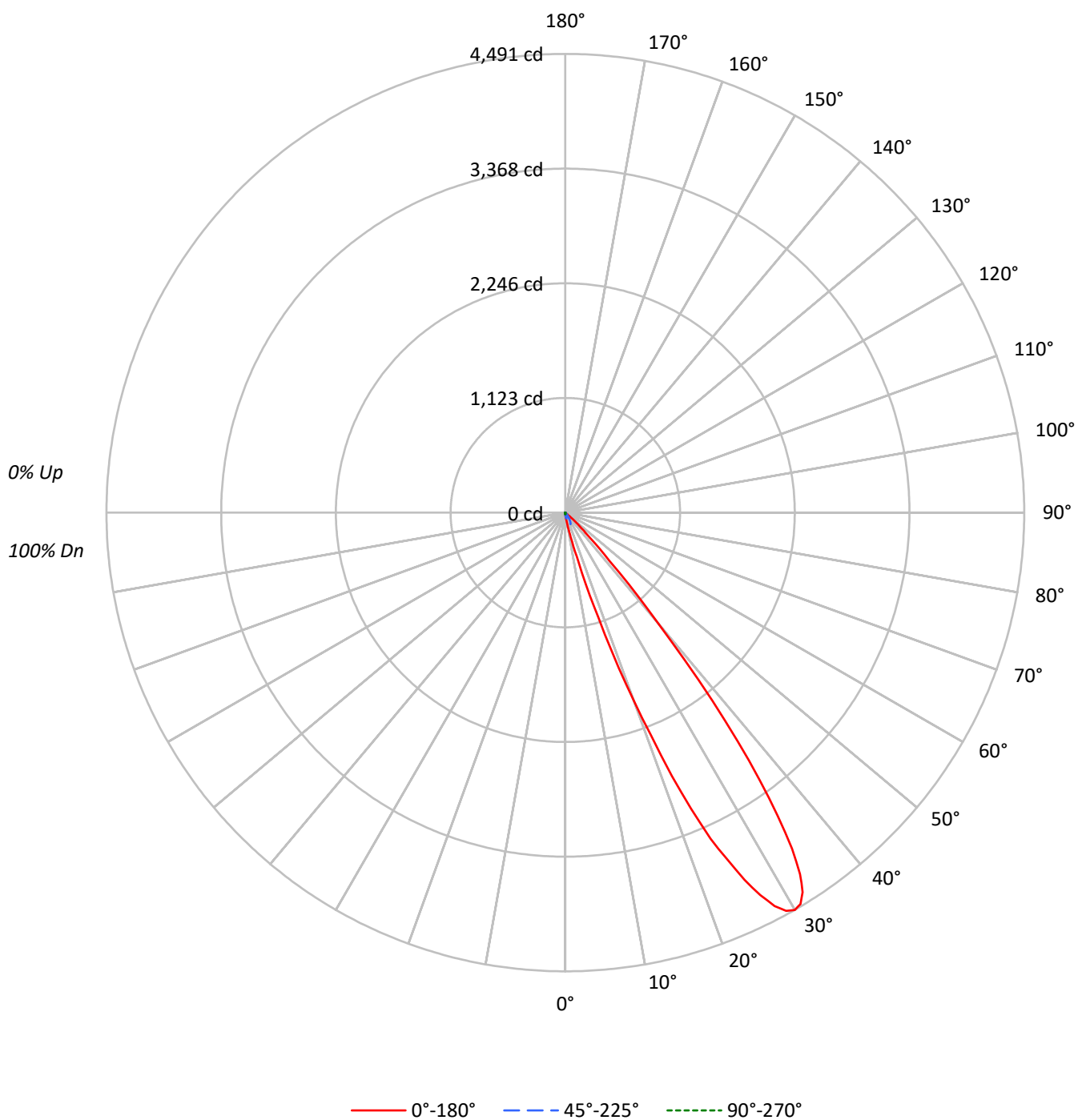
Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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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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°	2928	2928	2928	2928	2928
5°	8454	6397	2507	1037	692
10°	22017	9513	1661	0	0
15°	87990	15583	891	0	0
20°	359495	22983	275	0	0
25°	710643	22784	0	0	0
30°	893185	17977	0	0	0
35°	762096	11017	0	0	0
40°	313760	3485	0	0	0
45°	67880	1461	0	0	0
50°	8708	0	0	0	0
55°	751	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: 2°

Vertical Angle: 45°

Luminance: 71046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.5
10°-20°	33.3	7.0
20°-30°	194.0	40.8
30°-40°	208.0	43.8
40°-50°	35.1	7.4
50°-60°	1.1	0.2
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°	229.6	48.3
0°-40°	437.6	92.1
0°-60°	473.8	99.7
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	49	37	14	6	4	7
15°	494	87	5	0	0	228
25°	3740	120	0	0	0	1692
35°	3625	52	0	0	0	2083
45°	279	6	0	0	0	329
55°	2	0	0	0	0	6
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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	31.0	31.5	32.0	32.0	32.0	32.0	31.5	31.5	31.5	31.5	31.0
5°	48.9	48.9	48.9	48.9	48.9	48.9	48.5	48.5	48.5	48.5	48.5
7.5°	69.9	68.9	69.4	67.9	68.9	68.4	67.9	68.9	68.9	66.4	66.4
10°	125.9	125.4	120.4	121.4	122.4	121.9	121.9	118.9	118.4	116.4	114.4
12.5°	242.8	248.2	252.2	252.2	242.8	246.2	239.8	241.3	242.3	239.3	228.8
15°	493.5	502.5	493.0	502.0	498.5	485.5	471.0	451.5	459.0	445.5	441.0
17.5°	1080.9	1101.4	1092.9	1051.4	1064.9	1032.9	1013.0	1005.5	984.5	922.1	896.1
20°	1961.5	1986.5	1963.0	1914.5	1930.0	1869.6	1854.1	1839.6	1746.7	1712.7	1603.9
21°	2332.1	2352.6	2361.6	2311.1	2280.2	2232.2	2192.3	2179.3	2122.8	2057.4	1945.5
22°	2779.7	2755.7	2701.7	2708.7	2662.8	2623.3	2567.9	2515.4	2452.5	2361.1	2268.7
23°	3150.3	3122.3	3096.8	3065.9	3016.4	2988.4	2909.0	2851.6	2769.7	2671.8	2582.9
24°	3495.4	3452.5	3436.5	3381.5	3367.5	3304.6	3240.2	3165.3	3066.4	2962.0	2863.6
25°	3739.7	3746.2	3732.2	3725.7	3654.3	3589.8	3525.9	3410.5	3326.1	3233.7	3082.3
26°	4001.4	4004.4	3997.4	3949.5	3885.0	3822.1	3739.7	3639.3	3516.9	3414.5	3277.6
27°	4201.7	4189.7	4179.7	4122.8	4069.8	3990.4	3915.5	3796.6	3677.2	3555.4	3396.5
28°	4361.5	4339.1	4326.6	4277.6	4215.7	4118.3	4026.4	3915.5	3796.1	3665.2	3493.4
29°	4457.9	4434.0	4420.0	4366.0	4294.6	4209.2	4116.3	3994.4	3866.0	3720.2	3547.4
30°	4491.4	4477.4	4455.4	4399.5	4325.6	4236.7	4141.3	4008.9	3874.5	3725.2	3542.4
31°	4469.4	4451.4	4430.5	4370.0	4290.1	4205.2	4094.3	3955.4	3814.1	3671.7	3477.9
32°	4382.0	4371.0	4345.5	4264.6	4199.7	4089.8	3980.4	3850.6	3696.2	3543.4	3368.0
33°	4218.2	4200.2	4178.2	4104.3	4021.4	3916.0	3807.1	3674.2	3520.9	3359.6	3166.8
34°	3968.4	3945.5	3918.0	3868.5	3762.6	3671.2	3545.4	3390.0	3263.2	3108.3	2934.0
35°	3624.8	3591.3	3558.4	3520.9	3402.0	3317.6	3232.7	3097.3	2975.0	2829.1	2631.8
36°	3239.2	3226.2	3199.2	3100.3	3061.9	2947.0	2878.6	2723.2	2624.3	2481.5	2318.6
37°	2803.1	2726.7	2765.7	2710.2	2594.3	2558.4	2477.0	2343.6	2236.7	2085.9	1968.0
38°	2335.6	2285.7	2313.1	2257.2	2196.7	2113.8	2051.9	1954.5	1834.6	1716.2	1604.4
39°	1851.1	1810.6	1840.6	1802.7	1710.7	1676.3	1621.3	1546.9	1450.5	1358.1	1252.2
40°	1395.6	1343.6	1383.6	1329.6	1287.7	1231.2	1203.3	1134.8	1074.9	1019.5	952.0
42.5°	637.3	631.9	622.9	603.4	598.9	599.4	564.9	542.4	512.0	476.5	455.0
45°	278.7	285.7	291.7	280.7	280.2	274.2	272.2	257.2	251.2	239.8	225.8
47.5°	137.4	139.9	138.4	141.4	138.9	134.9	133.9	131.9	125.9	125.4	118.9
50°	32.5	32.0	32.0	32.5	32.0	32.0	31.5	30.5	30.0	30.5	29.0
52.5°	10.5	11.0	10.5	10.0	10.5	11.0	10.5	10.5	10.5	10.5	10.5
55°	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.5	2.5	2.5
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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	30.5	26.0	21.5	17.0	12.5	10.0	9.5	9.0
5°	46.0	37.0	24.5	14.5	8.5	6.0	4.5	4.0
7.5°	61.9	46.0	27.0	12.0	6.0	2.5	1.0	0.5
10°	88.9	54.4	28.0	9.5	3.0	0.0	0.0	0.0
12.5°	174.3	62.4	27.5	7.5	0.5	0.0	0.0	0.0
15°	289.7	87.4	25.5	5.0	0.0	0.0	0.0	0.0
17.5°	474.5	112.9	22.0	3.5	0.0	0.0	0.0	0.0
20°	735.7	125.4	17.0	1.5	0.0	0.0	0.0	0.0
21°	862.6	126.4	15.0	1.0	0.0	0.0	0.0	0.0
22°	972.5	126.4	13.0	0.5	0.0	0.0	0.0	0.0
23°	1074.4	124.9	11.5	0.0	0.0	0.0	0.0	0.0
24°	1158.3	122.9	10.5	0.0	0.0	0.0	0.0	0.0
25°	1221.2	119.9	9.5	0.0	0.0	0.0	0.0	0.0
26°	1250.2	115.9	8.0	0.0	0.0	0.0	0.0	0.0
27°	1264.7	110.4	7.0	0.0	0.0	0.0	0.0	0.0
28°	1254.7	104.4	6.0	0.0	0.0	0.0	0.0	0.0
29°	1229.7	97.9	4.5	0.0	0.0	0.0	0.0	0.0
30°	1197.3	90.4	3.5	0.0	0.0	0.0	0.0	0.0
31°	1149.8	82.9	2.5	0.0	0.0	0.0	0.0	0.0
32°	1084.9	75.4	2.0	0.0	0.0	0.0	0.0	0.0
33°	998.0	67.4	1.0	0.0	0.0	0.0	0.0	0.0
34°	890.6	59.4	0.5	0.0	0.0	0.0	0.0	0.0
35°	770.2	52.4	0.0	0.0	0.0	0.0	0.0	0.0
36°	666.8	45.0	0.0	0.0	0.0	0.0	0.0	0.0
37°	562.9	36.0	0.0	0.0	0.0	0.0	0.0	0.0
38°	471.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0
39°	390.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	323.2	15.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	178.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	108.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	62.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.0	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	0.0	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)