

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: P1324060

Luminaire Tested: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324060
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: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

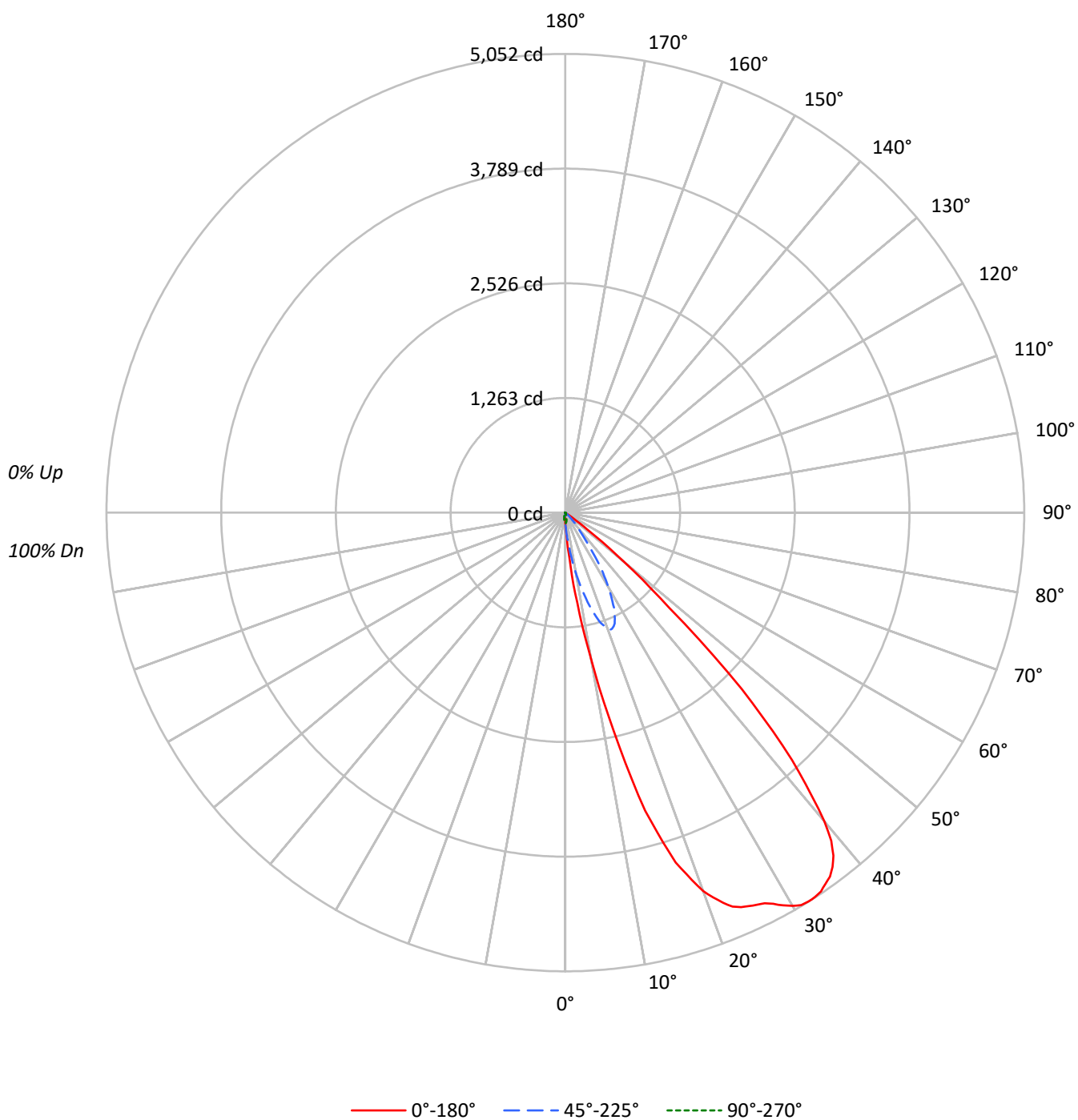
Lumens per Lamp: N/A
Luminaire Lumens: 1509.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	0		
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	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19582	19582	19582	19582	19582
5°	85109	52763	18170	6466	4478
10°	286488	119075	13588	1504	507
15°	606267	195325	8469	0	0
20°	812900	249585	3959	0	0
25°	908498	245115	817	0	0
30°	994547	187809	0	0	0
35°	1049648	102305	0	0	0
40°	997799	45953	0	0	0
45°	669691	20337	0	0	0
50°	223722	1929	0	0	0
55°	12101	0	0	0	0
60°	0	0	482	0	0
65°	0	0	1182	0	0
70°	0	705	1460	0	0
75°	0	932	1930	0	0
80°	0	1389	2876	0	0
85°	0	2766	5730	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 669691 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.6
10°-20°	209.4	13.9
20°-30°	459.4	30.4
30°-40°	531.4	35.2
40°-50°	262.3	17.4
50°-60°	19.4	1.3
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	693.2	45.9
0°-40°	1224.6	81.2
0°-60°	1506.3	99.8
0°-90°	1509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	114	114	114	114	114	
5°	492	305	105	37	26	85
15°	3400	1096	48	0	0	960
25°	4781	1290	4	0	0	2210
35°	4992	487	0	0	0	3083
45°	2750	84	0	0	0	2018
55°	40	0	0	0	0	165
65°	0	0	3	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	226.0	231.8	228.9	228.9	227.5	220.3	207.3	203.0	187.1	148.3	115.2
5°	492.3	493.8	489.5	467.9	449.2	431.9	394.4	377.2	305.2	181.4	105.1
7.5°	999.1	977.5	950.1	919.9	853.7	793.2	714.0	630.5	472.2	210.2	93.6
10°	1638.2	1608.0	1585.0	1513.0	1393.5	1269.7	1118.6	981.8	680.9	230.3	77.7
12.5°	2463.1	2445.9	2363.8	2219.8	2042.8	1864.3	1600.8	1383.4	891.1	234.7	63.3
15°	3400.3	3371.5	3246.3	3041.8	2801.4	2520.7	2168.0	1802.4	1095.5	221.7	47.5
17.5°	4040.9	4025.1	3917.1	3702.6	3426.2	3069.2	2651.7	2195.4	1264.0	194.3	33.1
20°	4435.4	4412.3	4311.6	4130.2	3840.8	3468.0	2972.7	2445.9	1361.8	159.8	21.6
21°	4537.6	4514.5	4433.9	4245.3	3968.9	3568.7	3060.6	2506.3	1380.6	144.0	17.3
22°	4634.0	4611.0	4526.1	4359.1	4085.5	3668.1	3129.7	2552.4	1377.7	131.0	13.0
23°	4714.6	4690.2	4606.7	4452.6	4177.7	3755.9	3181.5	2575.4	1359.0	118.0	10.1
24°	4756.4	4742.0	4667.1	4521.7	4252.5	3817.8	3217.5	2584.1	1335.9	105.1	7.2
25°	4780.9	4763.6	4690.2	4556.3	4301.5	3866.7	3240.5	2576.9	1289.9	93.6	4.3
26°	4806.8	4780.9	4697.4	4567.8	4327.4	3889.8	3241.9	2558.1	1240.9	83.5	1.4
27°	4829.8	4805.3	4719.0	4576.4	4331.7	3882.6	3230.4	2522.2	1181.9	73.4	1.4
28°	4880.2	4852.8	4753.5	4595.2	4336.0	3863.8	3194.4	2473.2	1104.2	64.8	0.0
29°	4946.4	4917.6	4803.9	4639.8	4346.1	3843.7	3145.5	2408.4	1036.5	57.6	0.0
30°	5001.1	4975.2	4870.1	4695.9	4372.0	3825.0	3087.9	2320.6	944.4	48.9	0.0
31°	5041.4	5015.5	4919.1	4743.4	4395.1	3807.7	3015.9	2229.9	860.9	43.2	0.0
32°	5051.5	5029.9	4939.2	4763.6	4395.1	3781.8	2949.7	2127.7	778.8	36.0	0.0
33°	5047.2	5025.6	4933.5	4749.2	4356.2	3719.9	2869.1	2005.3	685.2	31.7	0.0
34°	5031.3	5005.4	4907.5	4703.1	4279.9	3614.8	2752.5	1883.0	587.4	25.9	0.0
35°	4992.5	4969.4	4862.9	4616.7	4161.8	3455.0	2597.0	1741.9	486.6	21.6	0.0
36°	4955.1	4920.5	4789.5	4510.2	4006.4	3290.9	2411.3	1579.2	400.2	17.3	0.0
37°	4886.0	4837.0	4704.6	4356.2	3786.1	3059.1	2199.7	1400.7	335.4	13.0	0.0
38°	4793.8	4727.6	4559.2	4177.7	3564.4	2841.7	2001.0	1239.5	282.2	8.6	0.0
39°	4651.3	4573.6	4344.7	3932.9	3308.2	2589.8	1773.6	1068.2	240.4	5.8	0.0
40°	4438.2	4364.8	4111.5	3642.1	3053.4	2312.0	1540.4	875.3	204.4	2.9	0.0
42.5°	3695.4	3594.6	3301.0	2834.5	2257.3	1662.7	1019.2	486.6	135.3	0.0	0.0
45°	2749.6	2660.4	2372.4	1947.8	1504.4	1017.8	545.6	286.5	83.5	0.0	0.0
47.5°	1553.3	1543.2	1356.1	1118.6	839.3	541.3	276.4	172.8	36.0	0.0	0.0
50°	835.0	783.1	675.2	512.5	349.8	236.1	149.7	95.0	7.2	0.0	0.0
52.5°	305.2	295.1	247.6	205.9	158.4	108.0	76.3	41.7	0.0	0.0	0.0
55°	40.3	37.4	38.9	41.7	43.2	37.4	24.5	8.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	2.9	2.9	2.9	0.0	0.0	0.0	1.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9



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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	1.4	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
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°	113.7	113.7	113.7	113.7
2.5°	87.8	67.7	57.6	56.1
5°	60.5	37.4	27.4	25.9
7.5°	41.7	18.7	13.0	11.5
10°	24.5	8.6	4.3	2.9
12.5°	14.4	1.4	0.0	0.0
15°	4.3	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°	1.4	0.0	0.0	0.0
67.5°	1.4	0.0	0.0	0.0
70°	1.4	0.0	0.0	0.0
72.5°	1.4	0.0	0.0	0.0
75°	1.4	0.0	0.0	0.0
77.5°	1.4	0.0	0.0	0.0
80°	1.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.4	0.0	0.0	0.0
85°	1.4	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)