

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: P1324025

Luminaire Tested: LDSQA3D17R259030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

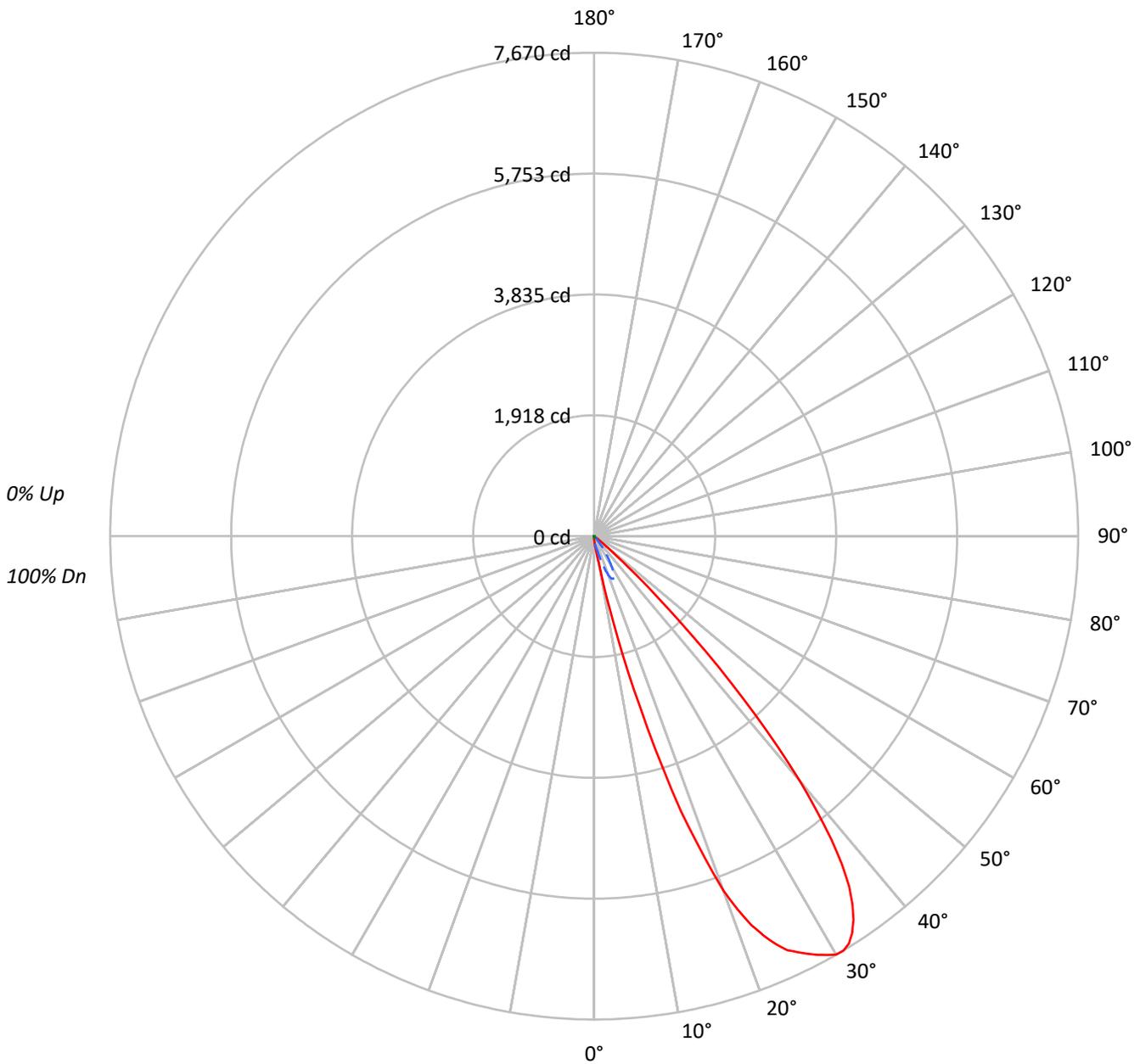
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1503.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	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°	8181	8181	8181	8181	8181
5°	25638	17910	7468	3976	2991
10°	80812	32475	5544	507	0
15°	499751	61852	3334	0	0
20°	1095731	120577	1063	0	0
25°	1377370	138700	0	0	0
30°	1524742	107348	0	0	0
35°	1500918	60845	0	0	0
40°	1140853	15850	0	0	0
45°	462130	7015	0	0	0
50°	51309	777	0	0	0
55°	3903	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1182	0	0
70°	0	705	1460	0	0
75°	0	932	2861	0	0
80°	0	1389	4265	0	0
85°	0	2766	8497	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 462130 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.5
10°-20°	155.2	10.3
20°-30°	542.7	36.1
30°-40°	605.4	40.3
40°-50°	182.8	12.2
50°-60°	6.1	0.4
60°-70°	0.8	0.1
70°-80°	1.3	0.1
80°-90°	1.2	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°	705.3	46.9
0°-40°	1310.7	87.2
0°-60°	1499.7	99.8
0°-90°	1503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1503.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	148	104	43	23	17	23
15°	2803	347	19	0	0	932
25°	7248	730	0	0	0	3307
35°	7139	289	0	0	0	4286
45°	1897	29	0	0	0	1639
55°	13	0	1	0	0	40
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	82.1	84.9	83.5	84.9	83.5	83.5	83.5	84.9	83.5	83.5	83.5
5°	148.3	149.7	149.7	148.3	148.3	151.2	148.3	149.7	145.4	148.3	146.8
7.5°	243.3	240.4	240.4	241.8	241.8	239.0	237.5	234.7	237.5	237.5	233.2
10°	462.1	459.2	452.0	449.1	452.0	452.0	437.6	440.5	441.9	429.0	424.7
12.5°	1357.5	1347.4	1367.6	1335.9	1317.2	1287.0	1304.3	1245.2	1232.3	1223.6	1203.5
15°	2802.9	2879.2	2846.0	2848.9	2854.7	2782.7	2807.2	2717.9	2643.1	2620.0	2604.2
17.5°	4570.7	4593.7	4563.5	4549.1	4543.3	4508.8	4467.0	4422.4	4364.8	4314.4	4272.7
20°	5978.6	5961.3	5909.5	5915.2	5853.3	5821.6	5785.7	5741.0	5696.4	5623.0	5552.4
21°	6350.0	6299.6	6301.0	6266.5	6265.0	6224.7	6161.4	6115.3	6075.0	5991.5	5946.9
22°	6655.2	6643.6	6617.7	6591.8	6564.5	6544.3	6473.8	6450.7	6368.7	6299.6	6236.2
23°	6892.7	6897.0	6874.0	6856.7	6819.3	6810.6	6719.9	6688.3	6632.1	6527.0	6462.3
24°	7089.9	7082.7	7056.8	7026.6	7005.0	6984.8	6915.7	6863.9	6802.0	6715.6	6652.3
25°	7248.3	7231.0	7213.7	7190.7	7156.1	7133.1	7062.6	7005.0	6951.7	6855.3	6768.9
26°	7341.8	7346.2	7318.8	7301.5	7271.3	7248.3	7174.8	7107.2	7041.0	6937.3	6859.6
27°	7436.8	7432.5	7408.1	7382.1	7350.5	7341.8	7256.9	7186.4	7118.7	7009.3	6917.2
28°	7524.7	7513.1	7493.0	7462.8	7428.2	7402.3	7320.2	7246.8	7173.4	7056.8	6956.0
29°	7598.1	7586.6	7573.6	7534.7	7490.1	7472.8	7385.0	7295.8	7222.4	7102.9	6996.3
30°	7667.2	7645.6	7615.4	7582.2	7539.1	7505.9	7413.8	7336.1	7249.7	7117.3	7015.1
31°	7670.1	7641.3	7619.7	7585.1	7536.2	7495.9	7399.4	7320.2	7219.5	7095.7	6984.8
32°	7619.7	7605.3	7570.7	7533.3	7485.8	7445.5	7339.0	7255.5	7160.5	7028.0	6917.2
33°	7505.9	7491.6	7471.4	7432.5	7370.6	7333.2	7238.2	7146.1	7052.5	6933.0	6806.3
34°	7349.0	7331.8	7305.8	7267.0	7203.6	7164.8	7088.5	6993.5	6894.1	6770.3	6652.3
35°	7138.9	7105.7	7098.5	7041.0	6981.9	6971.9	6881.2	6781.8	6681.1	6544.3	6442.1
36°	6878.3	6839.4	6813.5	6793.4	6754.5	6707.0	6617.7	6538.6	6409.0	6321.2	6177.2
37°	6522.7	6475.2	6499.7	6445.0	6384.5	6364.4	6250.6	6178.7	6069.3	5949.8	5827.4
38°	6108.1	6103.8	6098.0	6073.6	5969.9	5916.7	5869.2	5792.9	5697.8	5553.9	5388.3
39°	5584.1	5592.8	5562.5	5565.4	5513.6	5460.3	5394.1	5307.7	5192.6	5061.5	4927.7
40°	5074.5	4952.1	4973.7	4900.3	4904.6	4825.5	4739.1	4662.8	4589.4	4474.2	4291.4
42.5°	3511.1	3492.4	3427.6	3381.6	3401.7	3299.5	3185.8	3079.3	2977.0	2847.5	2687.7
45°	1897.4	1854.2	1867.1	1792.3	1792.3	1746.2	1714.5	1625.3	1530.3	1471.2	1379.1
47.5°	705.4	714.0	729.9	699.6	665.1	685.2	655.0	655.0	639.2	620.5	594.5
50°	191.5	194.3	191.5	191.5	187.1	184.3	178.5	177.1	175.6	171.3	164.1
52.5°	77.7	73.4	73.4	74.9	74.9	72.0	73.4	73.4	72.0	70.5	70.5
55°	13.0	14.4	14.4	14.4	14.4	13.0	13.0	14.4	15.8	14.4	14.4
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°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	80.6	70.5	59.0	48.9	38.9	33.1	30.2	31.7
5°	136.8	103.6	67.7	43.2	30.2	23.0	18.7	17.3
7.5°	210.2	142.5	76.3	37.4	23.0	11.5	7.2	5.8
10°	322.5	185.7	82.1	31.7	14.4	2.9	0.0	0.0
12.5°	827.8	227.5	83.5	25.9	5.8	0.0	0.0	0.0
15°	1701.6	346.9	80.6	18.7	1.4	0.0	0.0	0.0
17.5°	2828.8	531.2	70.5	13.0	0.0	0.0	0.0	0.0
20°	3924.3	657.9	56.1	5.8	0.0	0.0	0.0	0.0
21°	4253.9	695.3	50.4	4.3	0.0	0.0	0.0	0.0
22°	4523.1	722.7	44.6	2.9	0.0	0.0	0.0	0.0
23°	4747.7	737.1	38.9	1.4	0.0	0.0	0.0	0.0
24°	4904.6	739.9	36.0	1.4	0.0	0.0	0.0	0.0
25°	4979.5	729.9	31.7	0.0	0.0	0.0	0.0	0.0
26°	5008.3	709.7	28.8	0.0	0.0	0.0	0.0	0.0
27°	4986.7	683.8	25.9	0.0	0.0	0.0	0.0	0.0
28°	4947.8	644.9	21.6	0.0	0.0	0.0	0.0	0.0
29°	4871.5	593.1	18.7	0.0	0.0	0.0	0.0	0.0
30°	4798.1	539.8	15.8	0.0	0.0	0.0	0.0	0.0
31°	4714.6	492.3	13.0	0.0	0.0	0.0	0.0	0.0
32°	4612.4	437.6	10.1	0.0	0.0	0.0	0.0	0.0
33°	4442.5	387.2	7.2	0.0	0.0	0.0	0.0	0.0
34°	4205.0	339.7	5.8	0.0	0.0	0.0	0.0	0.0
35°	3886.9	289.4	4.3	0.0	0.0	0.0	0.0	0.0
36°	3538.5	236.1	2.9	0.0	0.0	0.0	0.0	0.0
37°	3112.4	171.3	2.9	0.0	0.0	0.0	0.0	0.0
38°	2667.5	108.0	1.4	0.0	0.0	0.0	0.0	0.0
39°	2212.6	82.1	1.4	0.0	0.0	0.0	0.0	0.0
40°	1796.6	70.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	961.6	47.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	567.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	316.7	11.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	113.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	44.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	15.8	0.0	0.0	1.4	0.0	0.0	0.0	0.0
57.5°	1.4	0.0	1.4	1.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.4	2.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.9	2.9	1.4	0.0	0.0	0.0
67.5°	0.0	1.4	2.9	2.9	1.4	0.0	0.0	0.0
70°	0.0	1.4	2.9	2.9	1.4	0.0	0.0	0.0
72.5°	0.0	1.4	2.9	4.3	1.4	0.0	0.0	0.0
75°	0.0	1.4	2.9	4.3	1.4	0.0	0.0	0.0
77.5°	0.0	1.4	2.9	4.3	1.4	0.0	0.0	0.0
80°	0.0	1.4	2.9	4.3	1.4	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	1.4	2.9	4.3	1.4	0.0	0.0	0.0
85°	0.0	1.4	2.9	4.3	1.4	0.0	0.0	0.0
87.5°	0.0	1.4	2.9	4.3	1.4	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)