

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: P1324087

Luminaire Tested: LDSQA3D17R459030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

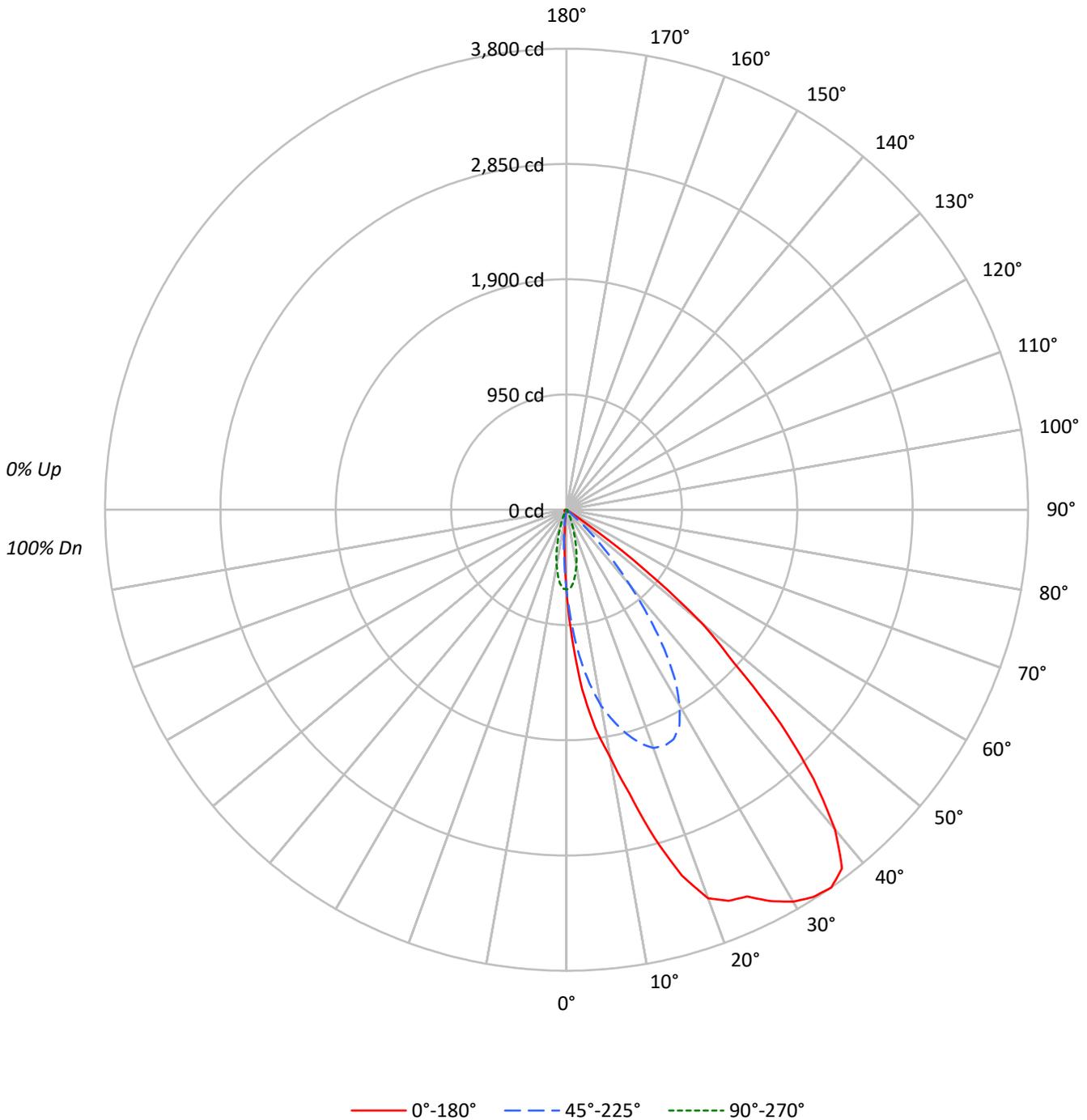
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1722.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
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			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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	76	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	65	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	112857	112857	112857	112857	112857
5°	257177	208632	105561	42321	28888
10°	362403	286610	81599	9321	4285
15°	499413	340995	52117	3085	2567
20°	624475	382972	27180	2108	2108
25°	668286	396529	12580	1634	1919
30°	741749	370308	5727	1710	2009
35°	799036	295205	1808	1808	2418
40°	773158	182937	967	2271	2923
45°	607170	86293	1047	2801	3507
50°	390107	10021	1554	3483	4635
55°	59241	871	1742	4324	5615
60°	999	999	1998	4960	5959
65°	1182	1182	2364	5298	7050
70°	1460	1460	2921	5791	7956
75°	932	1930	3859	6721	8650
80°	1389	2876	4265	7141	10017
85°	0	2766	5730	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 607170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	4.2
10°-20°	259.3	15.1
20°-30°	455.5	26.5
30°-40°	517.2	30.0
40°-50°	334.9	19.4
50°-60°	65.8	3.8
60°-70°	8.0	0.5
70°-80°	6.6	0.4
80°-90°	3.0	0.2
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°	786.5	45.7
0°-40°	1303.7	75.7
0°-60°	1704.4	99.0
0°-90°	1722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1722.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	655	655	655	655	655	
5°	1488	1207	611	245	167	158
15°	2801	1912	292	17	14	807
25°	3517	2087	66	9	10	1649
35°	3800	1404	9	9	12	2336
45°	2493	354	4	12	14	1879
55°	197	3	6	14	19	377
65°	3	3	6	13	17	3
75°	1	3	6	10	13	2
85°	0	1	3	4	4	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3
2.5°	1064.3	1061.4	1065.7	1036.9	1035.4	1013.8	1008.1	983.6	950.5	934.6	897.2
5°	1487.6	1473.2	1473.2	1438.7	1427.2	1402.7	1360.9	1309.1	1265.9	1206.8	1143.5
7.5°	1814.6	1811.7	1811.7	1781.4	1752.6	1718.1	1661.9	1602.9	1533.7	1443.0	1350.8
10°	2072.3	2076.7	2063.7	2036.3	1994.6	1957.1	1890.9	1818.9	1733.9	1638.9	1516.4
12.5°	2397.8	2366.1	2356.0	2294.1	2240.8	2168.8	2089.6	2007.5	1902.4	1782.9	1644.6
15°	2801.0	2760.7	2720.4	2638.3	2549.0	2438.1	2314.3	2193.3	2057.9	1912.5	1739.7
17.5°	3161.1	3161.1	3107.8	2978.2	2863.0	2698.8	2531.7	2370.4	2210.6	2019.1	1803.0
20°	3407.3	3394.4	3354.0	3259.0	3127.9	2942.2	2724.7	2498.6	2305.6	2089.6	1839.0
22.5°	3488.0	3485.1	3486.5	3430.4	3325.2	3132.3	2865.8	2599.4	2357.5	2106.9	1821.8
25°	3516.8	3522.5	3536.9	3515.3	3436.1	3243.2	2952.2	2646.9	2373.3	2086.7	1755.5
27.5°	3636.3	3624.8	3640.6	3626.2	3536.9	3306.5	2969.5	2635.4	2338.8	2013.3	1637.4
30°	3729.9	3727.0	3754.4	3741.4	3624.8	3346.8	2953.7	2592.2	2253.8	1862.1	1451.6
32.5°	3783.2	3784.6	3791.8	3738.6	3565.7	3259.0	2875.9	2504.4	2093.9	1664.8	1209.7
35°	3800.5	3791.8	3751.5	3620.5	3384.3	3055.9	2684.4	2295.6	1876.5	1404.1	956.2
37.5°	3725.6	3681.0	3577.3	3381.4	3107.8	2801.0	2439.6	2032.0	1578.4	1108.9	712.9
40°	3439.0	3380.0	3248.9	3048.7	2793.8	2497.2	2127.1	1700.8	1224.1	813.7	501.2
42.5°	3009.9	2979.6	2842.8	2668.5	2452.5	2153.0	1771.3	1339.3	905.8	561.6	319.7
45°	2492.9	2454.0	2367.6	2213.5	2043.5	1729.6	1373.9	959.1	617.8	354.3	158.4
47.5°	1869.3	1872.2	1813.1	1696.5	1529.4	1267.3	940.4	643.7	387.4	182.9	36.0
50°	1456.0	1435.8	1352.3	1232.7	1038.3	843.9	607.7	406.1	204.5	37.4	2.9
52.5°	806.5	819.4	774.8	735.9	635.1	504.0	358.6	205.9	43.2	4.3	2.9
55°	197.3	208.8	200.2	204.5	211.7	188.7	145.5	40.3	4.3	2.9	2.9
57.5°	4.3	4.3	4.3	4.3	7.2	10.1	10.1	2.9	2.9	2.9	2.9
60°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
82.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3
2.5°	878.5	851.1	800.7	650.9	522.8	422.0	361.5	355.7
5°	1087.3	1013.8	907.3	610.6	386.0	244.8	177.1	167.1
7.5°	1252.9	1149.2	985.0	544.4	263.5	125.3	69.1	57.6
10°	1389.7	1242.8	1025.4	466.6	165.6	53.3	28.8	24.5
12.5°	1483.3	1306.2	1032.6	380.2	95.0	25.9	18.7	17.3
15°	1543.8	1326.4	998.0	292.3	53.3	17.3	15.8	14.4
17.5°	1568.3	1309.1	931.8	211.7	28.8	13.0	13.0	13.0
20°	1556.8	1252.9	833.8	148.3	18.7	11.5	11.5	11.5
22.5°	1502.0	1156.4	711.4	99.4	13.0	10.1	10.1	10.1
25°	1394.0	1025.4	581.8	66.2	8.6	8.6	10.1	10.1
27.5°	1232.7	864.1	445.0	44.6	7.2	8.6	10.1	10.1
30°	1029.7	684.1	319.7	28.8	7.2	8.6	8.6	10.1
32.5°	818.0	498.3	210.3	17.3	5.8	8.6	10.1	11.5
35°	593.3	339.9	133.9	8.6	7.2	8.6	10.1	11.5
37.5°	416.2	221.8	77.8	5.8	7.2	8.6	11.5	11.5
40°	270.7	123.9	28.8	4.3	7.2	10.1	11.5	13.0
42.5°	141.1	43.2	5.8	4.3	7.2	10.1	13.0	14.4
45°	36.0	5.8	1.4	4.3	8.6	11.5	14.4	14.4
47.5°	4.3	1.4	1.4	5.8	8.6	13.0	14.4	15.8
50°	1.4	2.9	2.9	5.8	8.6	13.0	15.8	17.3
52.5°	2.9	2.9	2.9	5.8	10.1	13.0	17.3	18.7
55°	2.9	2.9	2.9	5.8	10.1	14.4	17.3	18.7
57.5°	2.9	2.9	2.9	5.8	10.1	14.4	17.3	17.3
60°	2.9	2.9	2.9	5.8	10.1	14.4	17.3	17.3
62.5°	2.9	2.9	4.3	5.8	10.1	13.0	17.3	17.3
65°	2.9	4.3	4.3	5.8	10.1	13.0	15.8	17.3
67.5°	2.9	2.9	4.3	5.8	10.1	13.0	15.8	17.3
70°	2.9	2.9	4.3	5.8	8.6	11.5	14.4	15.8
72.5°	2.9	2.9	4.3	5.8	8.6	11.5	13.0	14.4
75°	2.9	2.9	4.3	5.8	7.2	10.1	13.0	13.0
77.5°	2.9	2.9	4.3	4.3	7.2	8.6	11.5	11.5
80°	2.9	2.9	4.3	4.3	5.8	7.2	8.6	10.1
82.5°	2.9	2.9	2.9	4.3	4.3	5.8	7.2	7.2
85°	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3
87.5°	1.4	2.9	2.9	2.9	2.9	2.9	2.9	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)