

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: P1314832

Luminaire Tested: LDSQA3D17R459730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314832
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: LDSQA3D17R459730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

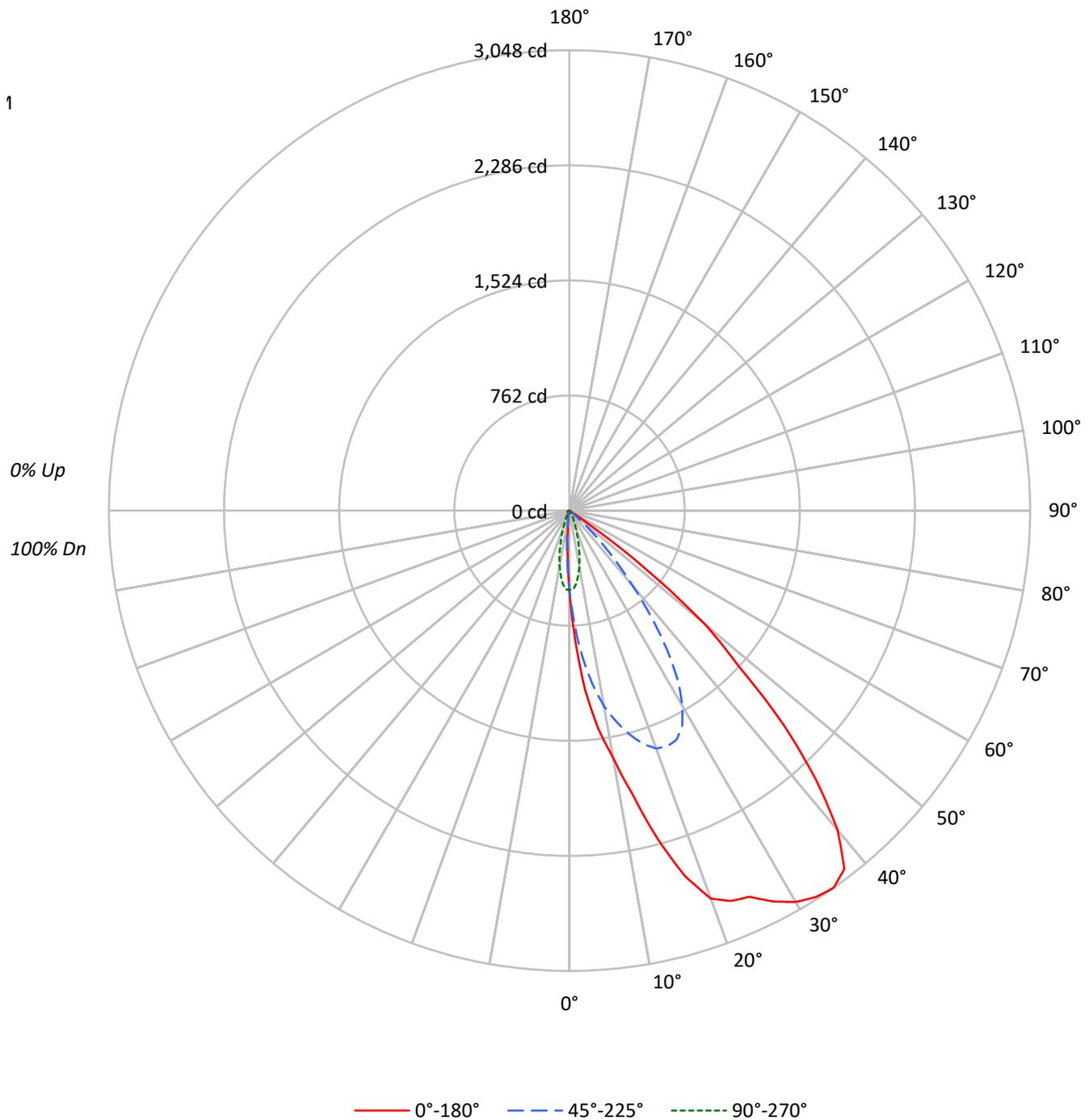
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1381.0 lumens
Efficiency: N/A
Efficacy: 65.1 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): 21.2
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	89	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	90503	90503	90503	90503	90503
5°	206264	167314	84660	33936	23166
10°	290650	229844	65440	7467	3428
15°	400529	273473	41811	2478	2050
20°	500819	307133	21810	1686	1686
25°	535951	318010	10090	1311	1539
30°	594867	296966	4594	1372	1611
35°	640806	236757	1451	1451	1934
40°	620055	146696	787	1821	2338
45°	486924	69195	852	2241	2801
50°	312836	8038	1232	2786	3724
55°	47501	691	1381	3453	4504
60°	792	792	1584	3961	4788
65°	937	937	1875	4238	5664
70°	1158	1158	2316	4633	6395
75°	799	1530	3061	5390	6920
80°	1190	2281	3471	5752	8034
85°	0	2371	4545	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 486924 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	4.2
10°-20°	207.9	15.1
20°-30°	365.3	26.5
30°-40°	414.8	30.0
40°-50°	268.6	19.4
50°-60°	52.7	3.8
60°-70°	6.4	0.5
70°-80°	5.3	0.4
80°-90°	2.4	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°	630.7	45.7
0°-40°	1045.5	75.7
0°-60°	1366.9	99.0
0°-90°	1381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	526	526	526	526	526	
5°	1193	968	490	196	134	127
15°	2246	1534	234	14	12	647
25°	2820	1674	53	7	8	1322
35°	3048	1126	7	7	9	1874
45°	1999	284	4	9	12	1507
55°	158	2	5	12	15	302
65°	2	2	5	10	14	2
75°	1	2	5	8	10	1
85°	0	1	2	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°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	853.5	851.2	854.7	831.6	830.4	813.1	808.5	788.8	762.3	749.6	719.5
5°	1193.1	1181.5	1181.5	1153.8	1144.5	1124.9	1091.4	1049.8	1015.2	967.8	917.0
7.5°	1455.2	1452.9	1452.9	1428.7	1405.6	1377.8	1332.8	1285.4	1230.0	1157.3	1083.3
10°	1662.0	1665.4	1655.0	1633.1	1599.6	1569.6	1516.4	1458.7	1390.5	1314.3	1216.2
12.5°	1923.0	1897.6	1889.5	1839.8	1797.1	1739.3	1675.8	1610.0	1525.7	1429.8	1318.9
15°	2246.4	2214.0	2181.7	2115.9	2044.2	1955.3	1856.0	1759.0	1650.4	1533.8	1395.2
17.5°	2535.1	2535.1	2492.4	2388.4	2296.0	2164.4	2030.4	1901.0	1772.8	1619.2	1446.0
20°	2732.6	2722.2	2689.9	2613.6	2508.5	2359.5	2185.1	2003.8	1849.1	1675.8	1474.9
22.5°	2797.3	2795.0	2796.1	2751.1	2666.8	2512.0	2298.3	2084.7	1890.6	1689.7	1461.0
25°	2820.4	2825.0	2836.5	2819.2	2755.7	2600.9	2367.6	2122.8	1903.3	1673.5	1407.9
27.5°	2916.2	2907.0	2919.7	2908.1	2836.5	2651.7	2381.5	2113.5	1875.6	1614.6	1313.2
30°	2991.3	2989.0	3010.9	3000.5	2907.0	2684.1	2368.8	2078.9	1807.5	1493.3	1164.2
32.5°	3034.0	3035.2	3041.0	2998.2	2859.6	2613.6	2306.4	2008.4	1679.3	1335.1	970.2
35°	3047.9	3041.0	3008.6	2903.5	2714.1	2450.8	2152.8	1841.0	1504.9	1126.1	766.9
37.5°	2987.8	2952.0	2868.9	2711.8	2492.4	2246.4	1956.5	1629.6	1265.8	889.3	571.7
40°	2758.0	2710.6	2605.5	2445.0	2240.6	2002.7	1705.8	1364.0	981.7	652.5	401.9
42.5°	2413.8	2389.6	2279.9	2140.1	1966.9	1726.6	1420.6	1074.1	726.5	450.4	256.4
45°	1999.2	1968.0	1898.7	1775.1	1638.9	1387.1	1101.8	769.2	495.5	284.1	127.0
47.5°	1499.1	1501.4	1454.1	1360.5	1226.5	1016.3	754.2	516.3	310.7	146.7	28.9
50°	1167.6	1151.5	1084.5	988.6	832.7	676.8	487.4	325.7	164.0	30.0	2.3
52.5°	646.8	657.2	621.4	590.2	509.3	404.2	287.6	165.2	34.6	3.5	2.3
55°	158.2	167.5	160.5	164.0	169.8	151.3	116.6	32.3	3.5	2.3	2.3
57.5°	3.5	3.5	3.5	3.5	5.8	8.1	8.1	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
82.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	704.5	682.6	642.1	522.0	419.2	338.4	289.9	285.3
5°	872.0	813.1	727.6	489.7	309.5	196.3	142.1	134.0
7.5°	1004.8	921.6	790.0	436.6	211.4	100.5	55.4	46.2
10°	1114.5	996.7	822.3	374.2	132.8	42.7	23.1	19.6
12.5°	1189.6	1047.5	828.1	304.9	76.2	20.8	15.0	13.9
15°	1238.1	1063.7	800.4	234.5	42.7	13.9	12.7	11.5
17.5°	1257.7	1049.8	747.2	169.8	23.1	10.4	10.4	10.4
20°	1248.5	1004.8	668.7	119.0	15.0	9.2	9.2	9.2
22.5°	1204.6	927.4	570.5	79.7	10.4	8.1	8.1	8.1
25°	1118.0	822.3	466.6	53.1	6.9	6.9	8.1	8.1
27.5°	988.6	693.0	356.9	35.8	5.8	6.9	8.1	8.1
30°	825.8	548.6	256.4	23.1	5.8	6.9	6.9	8.1
32.5°	656.0	399.6	168.6	13.9	4.6	6.9	8.1	9.2
35°	475.8	272.6	107.4	6.9	5.8	6.9	8.1	9.2
37.5°	333.8	177.9	62.4	4.6	5.8	6.9	9.2	9.2
40°	217.1	99.3	23.1	3.5	5.8	8.1	9.2	10.4
42.5°	113.2	34.6	4.6	3.5	5.8	8.1	10.4	11.5
45°	28.9	4.6	1.2	3.5	6.9	9.2	11.5	11.5
47.5°	3.5	1.2	1.2	4.6	6.9	10.4	11.5	12.7
50°	1.2	2.3	2.3	4.6	6.9	10.4	12.7	13.9
52.5°	2.3	2.3	2.3	4.6	8.1	10.4	13.9	15.0
55°	2.3	2.3	2.3	4.6	8.1	11.5	13.9	15.0
57.5°	2.3	2.3	2.3	4.6	8.1	11.5	13.9	13.9
60°	2.3	2.3	2.3	4.6	8.1	11.5	13.9	13.9
62.5°	2.3	2.3	3.5	4.6	8.1	10.4	13.9	13.9
65°	2.3	3.5	3.5	4.6	8.1	10.4	12.7	13.9
67.5°	2.3	2.3	3.5	4.6	8.1	10.4	12.7	13.9
70°	2.3	2.3	3.5	4.6	6.9	9.2	11.5	12.7
72.5°	2.3	2.3	3.5	4.6	6.9	9.2	10.4	11.5
75°	2.3	2.3	3.5	4.6	5.8	8.1	10.4	10.4
77.5°	2.3	2.3	3.5	3.5	5.8	6.9	9.2	9.2
80°	2.3	2.3	3.5	3.5	4.6	5.8	6.9	8.1
82.5°	2.3	2.3	2.3	3.5	3.5	4.6	5.8	5.8
85°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5
87.5°	1.2	2.3	2.3	2.3	2.3	2.3	2.3	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)