

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: P1324096

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

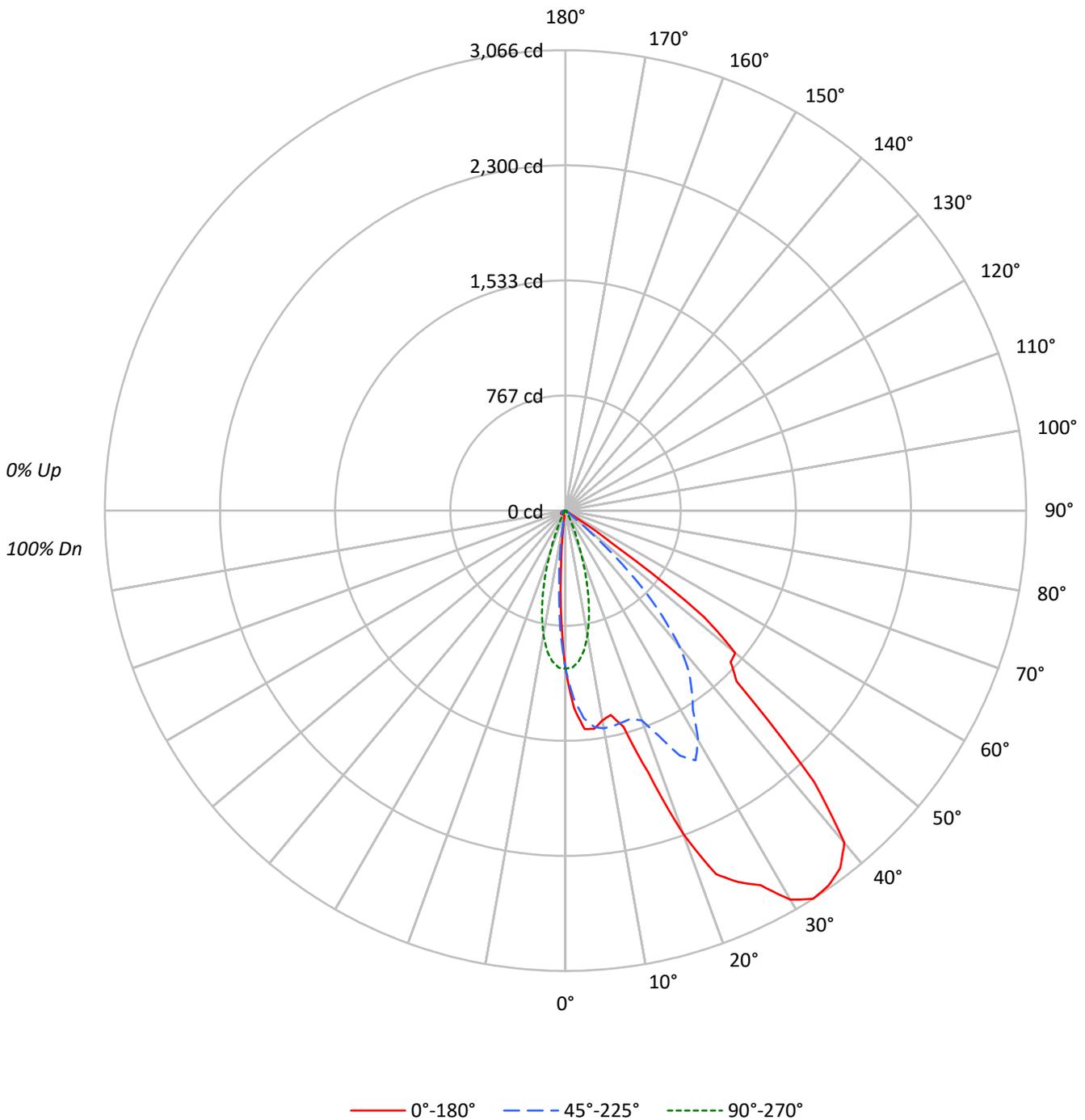
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1636.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	181144	181144	181144	181144	181144
5°	252578	239630	174108	83691	54302
10°	247944	257510	147144	17645	7555
15°	265896	260244	104037	6169	5902
20°	419866	272512	54928	5278	5553
25°	518849	342238	21910	4922	5473
30°	594847	350998	8889	4872	5727
35°	641289	308072	3932	5151	6370
40°	649147	265288	2923	5823	7127
45°	392350	171953	2801	6308	8062
50°	395305	29714	3081	7341	9270
55°	116802	1742	3453	8227	10389
60°	1998	1998	3479	8921	11401
65°	1752	1752	3505	9414	12348
70°	2165	2165	3626	10172	13797
75°	1930	1930	3859	10514	14373
80°	1389	2876	4265	10017	15670
85°	2766	5730	5730	11461	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 448125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	5.2
10°-20°	211.2	12.9
20°-30°	395.6	24.2
30°-40°	473.0	28.9
40°-50°	339.0	20.7
50°-60°	104.5	6.4
60°-70°	13.6	0.8
70°-80°	9.9	0.6
80°-90°	4.0	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°	691.9	42.3
0°-40°	1164.9	71.2
0°-60°	1608.4	98.3
0°-90°	1636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1052	1052	1052	1052	1052	
5°	1461	1386	1007	484	314	136
15°	1491	1460	584	35	33	478
25°	2730	1801	115	26	29	1258
35°	3050	1465	19	24	30	1892
45°	1611	706	12	26	33	1480
55°	389	6	12	27	35	501
65°	4	4	9	23	30	5
75°	3	3	6	16	22	3
85°	1	3	3	6	7	1
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°	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8
2.5°	1315.5	1318.4	1322.7	1311.2	1304.0	1298.2	1288.1	1285.2	1260.7	1250.6	1240.6
5°	1461.0	1458.1	1461.0	1456.7	1453.8	1445.2	1436.5	1422.1	1406.3	1386.1	1363.0
7.5°	1465.3	1462.4	1468.2	1468.2	1474.0	1474.0	1474.0	1475.4	1466.8	1452.4	1432.2
10°	1417.8	1417.8	1423.5	1420.7	1430.7	1435.1	1445.2	1462.4	1471.1	1472.5	1466.8
12.5°	1393.3	1393.3	1394.7	1389.0	1391.8	1396.2	1407.7	1427.9	1448.0	1468.2	1479.7
15°	1491.3	1494.1	1474.0	1445.2	1423.5	1400.5	1393.3	1406.3	1427.9	1459.6	1485.5
17.5°	1824.1	1828.4	1806.8	1737.6	1671.4	1576.3	1491.3	1449.5	1426.4	1452.4	1486.9
20°	2290.9	2275.1	2237.6	2164.1	2067.6	1920.6	1788.1	1654.1	1525.8	1486.9	1498.5
22.5°	2620.9	2615.1	2584.9	2502.7	2419.2	2282.3	2113.7	1926.4	1740.5	1622.4	1560.4
25°	2730.4	2726.1	2698.7	2649.7	2603.6	2499.8	2348.6	2159.8	1965.3	1801.0	1645.4
27.5°	2812.5	2806.7	2763.5	2708.8	2661.2	2556.0	2417.7	2275.1	2096.4	1874.5	1635.3
30°	2991.2	2975.3	2914.8	2816.8	2726.1	2580.5	2427.8	2250.6	2008.5	1765.0	1531.6
32.5°	3066.1	3057.4	3005.6	2926.3	2826.9	2636.7	2404.8	2107.9	1789.5	1579.2	1409.1
35°	3050.2	3037.3	2984.0	2893.2	2772.2	2589.2	2279.4	1871.6	1612.3	1465.3	1273.7
37.5°	3002.7	2984.0	2920.6	2813.9	2667.0	2427.8	2022.9	1680.0	1512.9	1347.2	1089.3
40°	2887.4	2857.2	2783.7	2672.7	2525.8	2211.7	1789.5	1564.7	1409.1	1180.0	883.2
42.5°	2446.5	2430.7	2466.7	2448.0	2318.3	1948.0	1623.8	1459.6	1244.9	953.8	639.7
45°	1610.9	1638.2	1703.1	1814.0	1839.9	1675.7	1488.4	1286.7	1024.4	706.0	368.9
47.5°	1491.3	1485.5	1501.3	1523.0	1527.3	1458.1	1288.1	1063.3	760.8	403.4	102.3
50°	1475.4	1466.8	1453.8	1427.9	1373.1	1239.1	1046.0	775.2	439.5	110.9	7.2
52.5°	1165.6	1157.0	1157.0	1119.5	1048.9	919.3	721.9	426.5	122.5	7.2	5.8
55°	389.0	415.0	410.6	409.2	440.9	406.3	311.2	109.5	10.1	5.8	5.8
57.5°	7.2	7.2	7.2	13.0	20.2	28.8	17.3	8.6	5.8	5.8	5.8
60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3
77.5°	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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°	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8
2.5°	1217.5	1197.3	1158.4	1047.5	925.0	785.3	690.2	678.6
5°	1327.0	1296.8	1233.4	1007.1	727.6	484.1	360.2	314.1
7.5°	1399.0	1358.7	1280.9	940.9	530.2	255.0	136.9	109.5
10°	1442.3	1404.8	1305.4	841.4	337.2	100.9	46.1	43.2
12.5°	1465.3	1429.3	1314.0	721.9	190.2	46.1	36.0	36.0
15°	1481.2	1442.3	1301.1	583.5	95.1	34.6	33.1	33.1
17.5°	1488.4	1440.8	1263.6	439.5	50.4	31.7	31.7	31.7
20°	1492.7	1425.0	1194.5	299.7	34.6	28.8	30.3	30.3
22.5°	1497.0	1386.1	1103.7	190.2	27.4	27.4	28.8	28.8
25°	1488.4	1318.4	975.4	115.3	24.5	25.9	27.4	28.8
27.5°	1426.4	1216.1	819.8	70.6	21.6	24.5	27.4	28.8
30°	1319.8	1066.2	639.7	44.7	20.2	24.5	27.4	28.8
32.5°	1181.5	894.8	456.7	27.4	20.2	24.5	27.4	28.8
35°	995.6	684.4	296.8	18.7	20.2	24.5	28.8	30.3
37.5°	786.7	478.4	159.9	14.4	20.2	24.5	28.8	30.3
40°	566.2	286.7	57.6	13.0	18.7	25.9	30.3	31.7
42.5°	331.4	106.6	10.1	11.5	18.7	25.9	30.3	31.7
45°	95.1	11.5	5.8	11.5	18.7	25.9	31.7	33.1
47.5°	7.2	4.3	5.8	11.5	18.7	25.9	31.7	34.6
50°	4.3	4.3	4.3	11.5	18.7	27.4	33.1	34.6
52.5°	5.8	5.8	5.8	11.5	18.7	27.4	33.1	34.6
55°	5.8	5.8	5.8	11.5	18.7	27.4	33.1	34.6
57.5°	5.8	5.8	5.8	11.5	18.7	25.9	33.1	34.6
60°	5.8	5.8	5.8	10.1	17.3	25.9	31.7	33.1
62.5°	5.8	5.8	5.8	10.1	17.3	24.5	31.7	31.7
65°	5.8	5.8	5.8	8.6	15.8	23.1	28.8	30.3
67.5°	5.8	5.8	5.8	8.6	14.4	21.6	27.4	28.8
70°	4.3	5.8	5.8	7.2	13.0	20.2	25.9	27.4
72.5°	4.3	4.3	5.8	7.2	11.5	17.3	23.1	24.5
75°	4.3	4.3	4.3	5.8	10.1	15.8	20.2	21.6
77.5°	4.3	4.3	4.3	5.8	8.6	13.0	18.7	18.7
80°	2.9	4.3	4.3	4.3	7.2	10.1	14.4	15.8
82.5°	2.9	2.9	2.9	4.3	5.8	8.6	11.5	11.5
85°	2.9	2.9	2.9	2.9	4.3	5.8	7.2	7.2
87.5°	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)