

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: P1323941

Luminaire Tested: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

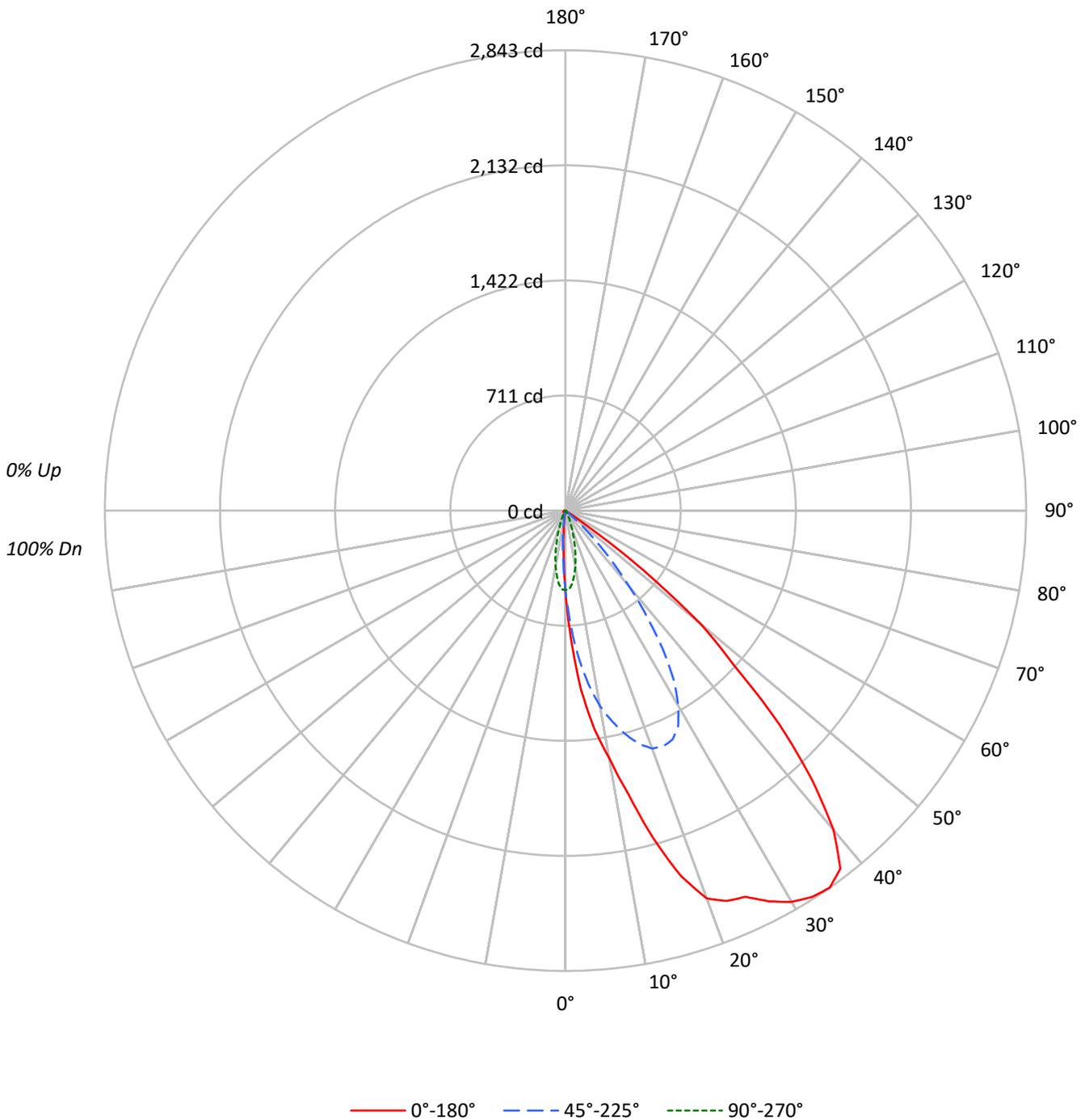
Test Method: LM-79-2019  
Report Number: P1323941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW  
Description: 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: 1288.0 lumens  
Efficiency: N/A  
Efficacy: 64.1 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): 20.1  
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

TEST NUMBER: P1323941  
CATALOG NUMBER: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1323941

CATALOG NUMBER: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

**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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	84406	84406	84406	84406	84406
5°	192364	156059	78955	31654	21610
10°	271063	214367	61033	6978	3200
15°	373552	255055	38994	2300	1926
20°	467096	286460	20325	1576	1576
25°	499846	296594	9406	1235	1425
30°	554815	276980	4276	1293	1491
35°	597643	220799	1367	1367	1808
40°	578306	136826	719	1686	2181
45°	454141	64543	779	2095	2630
50°	291777	7502	1152	2599	3456
55°	44319	661	1291	3243	4204
60°	758	758	1481	3720	4443
65°	897	897	1752	3953	5257
70°	1108	1108	2165	4330	5942
75°	732	1464	2861	4991	6455
80°	1091	2182	3174	5356	7438
85°	0	2174	4347	6323	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 454141 cd/sqm



TEST NUMBER: P1323941

CATALOG NUMBER: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.6	4.2
10°-20°	193.9	15.1
20°-30°	340.7	26.5
30°-40°	386.9	30.0
40°-50°	250.5	19.4
50°-60°	49.2	3.8
60°-70°	6.0	0.5
70°-80°	5.0	0.4
80°-90°	2.3	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°	588.2	45.7
0°-40°	975.1	75.7
0°-60°	1274.8	99.0
0°-90°	1288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	490	490	490	490	490	
5°	1113	903	457	183	125	118
15°	2095	1430	219	13	11	604
25°	2630	1561	50	6	8	1233
35°	2843	1050	6	6	9	1748
45°	1865	265	3	9	11	1405
55°	148	2	4	11	14	282
65°	2	2	4	10	13	2
75°	1	2	4	8	10	1
85°	0	1	2	3	3	0
90°	0	0	0	0	0	



TEST NUMBER: P1323941

CATALOG NUMBER: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	490.1	490.1	490.1	490.1	490.1	490.1	490.1	490.1	490.1	490.1	490.1
2.5°	796.0	793.9	797.1	775.6	774.5	758.3	754.0	735.7	710.9	699.1	671.1
5°	1112.7	1101.9	1101.9	1076.1	1067.5	1049.2	1017.9	979.1	946.8	902.7	855.3
7.5°	1357.2	1355.1	1355.1	1332.5	1310.9	1285.1	1243.0	1198.9	1147.2	1079.3	1010.4
10°	1550.0	1553.3	1543.6	1523.1	1491.9	1463.9	1414.3	1360.5	1296.9	1225.8	1134.3
12.5°	1793.5	1769.8	1762.2	1715.9	1676.1	1622.2	1563.0	1501.6	1422.9	1333.5	1230.1
15°	2095.1	2064.9	2034.8	1973.4	1906.6	1823.6	1731.0	1640.5	1539.3	1430.5	1301.2
17.5°	2364.4	2364.4	2324.5	2227.6	2141.4	2018.6	1893.7	1773.0	1653.4	1510.2	1348.6
20°	2548.6	2538.9	2508.7	2437.6	2339.6	2200.6	2038.0	1868.9	1724.5	1563.0	1375.5
22.5°	2608.9	2606.7	2607.8	2565.8	2487.2	2342.8	2143.6	1944.3	1763.3	1575.9	1362.6
25°	2630.4	2634.7	2645.5	2629.4	2570.1	2425.8	2208.2	1979.8	1775.2	1560.8	1313.1
27.5°	2719.8	2711.2	2723.1	2712.3	2645.5	2473.2	2221.1	1971.2	1749.3	1505.9	1224.7
30°	2789.9	2787.7	2808.2	2798.5	2711.2	2503.3	2209.3	1938.9	1685.8	1392.8	1085.8
32.5°	2829.7	2830.8	2836.2	2796.3	2667.1	2437.6	2151.1	1873.2	1566.2	1245.2	904.8
35°	2842.6	2836.2	2806.0	2708.0	2531.3	2285.7	2007.8	1717.0	1403.5	1050.2	715.2
37.5°	2786.6	2753.2	2675.7	2529.2	2324.5	2095.1	1824.7	1519.9	1180.6	829.4	533.2
40°	2572.3	2528.1	2430.1	2280.4	2089.7	1867.8	1591.0	1272.1	915.6	608.6	374.9
42.5°	2251.3	2228.7	2126.3	1996.0	1834.4	1610.4	1324.9	1001.8	677.5	420.1	239.1
45°	1864.6	1835.5	1770.9	1655.6	1528.5	1293.7	1027.6	717.4	462.1	265.0	118.5
47.5°	1398.2	1400.3	1356.1	1268.9	1143.9	947.9	703.4	481.5	289.8	136.8	26.9
50°	1089.0	1073.9	1011.5	922.1	776.6	631.2	454.6	303.8	153.0	28.0	2.2
52.5°	603.2	612.9	579.5	550.4	475.0	377.0	268.2	154.0	32.3	3.2	2.2
55°	147.6	156.2	149.7	153.0	158.3	141.1	108.8	30.2	3.2	2.2	2.2
57.5°	3.2	3.2	3.2	3.2	5.4	7.5	7.5	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323941

CATALOG NUMBER: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	490.1	490.1	490.1	490.1	490.1	490.1	490.1	490.1
2.5°	657.1	636.6	598.9	486.9	391.0	315.6	270.4	266.1
5°	813.3	758.3	678.6	456.7	288.7	183.1	132.5	125.0
7.5°	937.1	859.6	736.8	407.2	197.1	93.7	51.7	43.1
10°	1039.5	929.6	766.9	349.0	123.9	39.9	21.5	18.3
12.5°	1109.5	977.0	772.3	284.4	71.1	19.4	14.0	12.9
15°	1154.7	992.1	746.5	218.7	39.9	12.9	11.8	10.8
17.5°	1173.0	979.1	696.9	158.3	21.5	9.7	9.7	9.7
20°	1164.4	937.1	623.7	110.9	14.0	8.6	8.6	8.6
22.5°	1123.5	865.0	532.1	74.3	9.7	7.5	7.5	7.5
25°	1042.7	766.9	435.2	49.5	6.5	6.5	7.5	7.5
27.5°	922.1	646.3	332.8	33.4	5.4	6.5	7.5	7.5
30°	770.2	511.7	239.1	21.5	5.4	6.5	6.5	7.5
32.5°	611.8	372.7	157.3	12.9	4.3	6.5	7.5	8.6
35°	443.8	254.2	100.2	6.5	5.4	6.5	7.5	8.6
37.5°	311.3	165.9	58.2	4.3	5.4	6.5	8.6	8.6
40°	202.5	92.6	21.5	3.2	5.4	7.5	8.6	9.7
42.5°	105.6	32.3	4.3	3.2	5.4	7.5	9.7	10.8
45°	26.9	4.3	1.1	3.2	6.5	8.6	10.8	10.8
47.5°	3.2	1.1	1.1	4.3	6.5	9.7	10.8	11.8
50°	1.1	2.2	2.2	4.3	6.5	9.7	11.8	12.9
52.5°	2.2	2.2	2.2	4.3	7.5	9.7	12.9	14.0
55°	2.2	2.2	2.2	4.3	7.5	10.8	12.9	14.0
57.5°	2.2	2.2	2.2	4.3	7.5	10.8	12.9	12.9
60°	2.2	2.2	2.2	4.3	7.5	10.8	12.9	12.9
62.5°	2.2	2.2	3.2	4.3	7.5	9.7	12.9	12.9
65°	2.2	3.2	3.2	4.3	7.5	9.7	11.8	12.9
67.5°	2.2	2.2	3.2	4.3	7.5	9.7	11.8	12.9
70°	2.2	2.2	3.2	4.3	6.5	8.6	10.8	11.8
72.5°	2.2	2.2	3.2	4.3	6.5	8.6	9.7	10.8
75°	2.2	2.2	3.2	4.3	5.4	7.5	9.7	9.7
77.5°	2.2	2.2	3.2	3.2	5.4	6.5	8.6	8.6
80°	2.2	2.2	3.2	3.2	4.3	5.4	6.5	7.5
82.5°	2.2	2.2	2.2	3.2	3.2	4.3	5.4	5.4
85°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2
87.5°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)