

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: P1314704

Luminaire Tested: LDSQA3D13R559730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

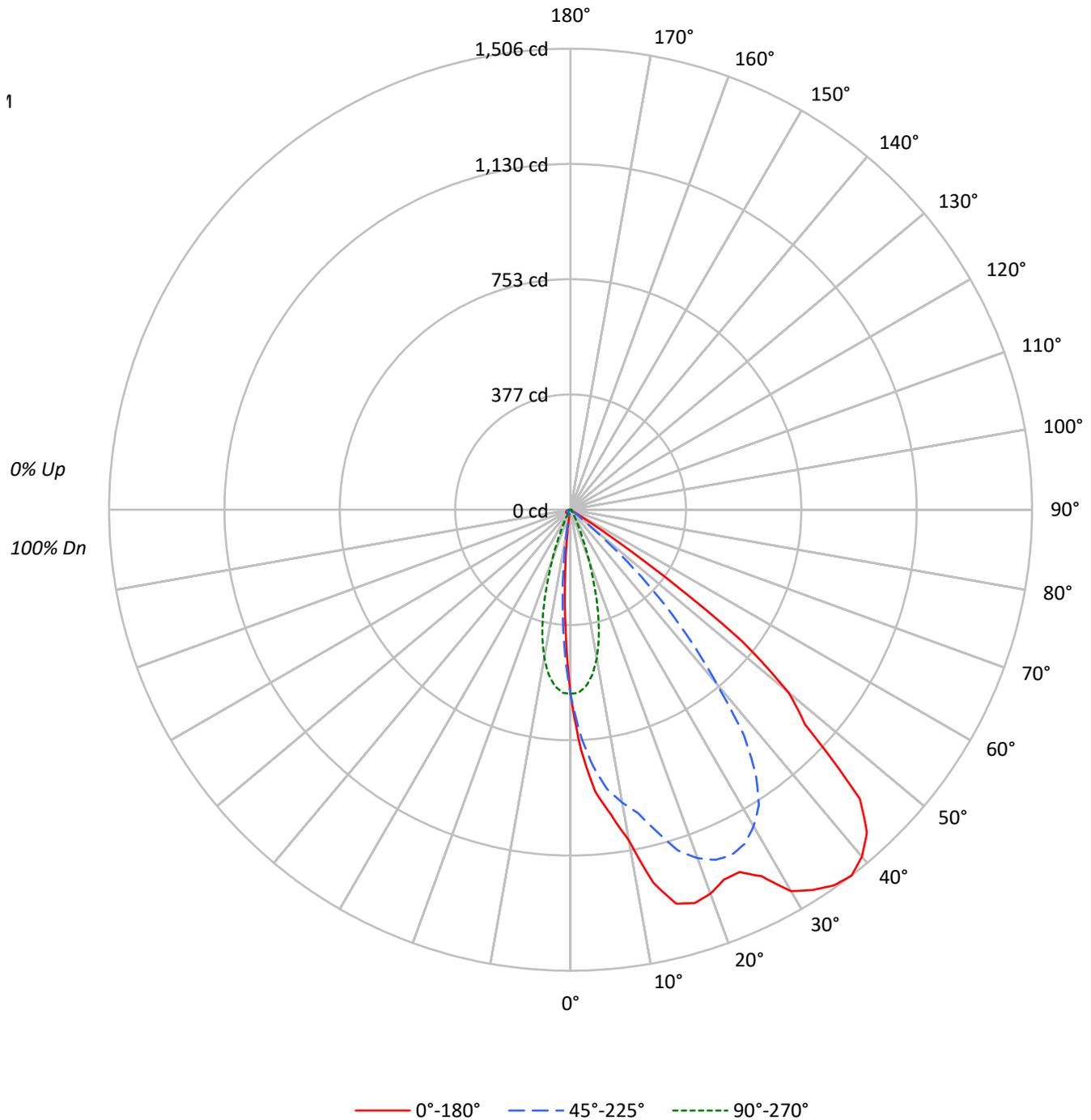
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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	102	103	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	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	103540	103540	103540	103540	103540
5°	159655	145358	100011	51363	33746
10°	191825	169878	86093	12959	5176
15°	237511	194024	61513	3566	2799
20°	244636	221947	31780	2401	2401
25°	248175	236412	12751	2147	2489
30°	286048	237545	5548	2247	2605
35°	314884	221451	2376	2376	2922
40°	332600	166682	1371	2743	3125
45°	325298	101857	1267	2971	3824
50°	248854	21702	1393	3510	4448
55°	91309	781	1561	3933	4984
60°	896	896	1791	4512	5718
65°	1060	1060	2119	4605	6031
70°	856	1309	2216	5287	6999
75°	599	1131	2329	5789	8118
80°	893	1686	2579	6050	8629
85°	0	1778	3359	6916	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 325298 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	5.3
10°-20°	151.6	15.1
20°-30°	232.5	23.2
30°-40°	270.9	27.0
40°-50°	216.5	21.6
50°-60°	64.1	6.4
60°-70°	6.9	0.7
70°-80°	5.4	0.5
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°	437.0	43.6
0°-40°	707.9	70.6
0°-60°	988.5	98.6
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	601	601	601	601	601	
5°	924	841	578	297	195	92
15°	1332	1088	345	20	16	368
25°	1306	1244	67	11	13	620
35°	1498	1053	11	11	14	933
45°	1336	418	5	12	16	963
55°	304	3	5	13	17	322
65°	3	3	5	11	15	2
75°	1	2	4	9	12	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°	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2
2.5°	784.1	784.1	781.5	782.4	780.6	771.1	769.3	757.1	746.7	735.3	725.8
5°	923.5	925.3	922.7	917.4	910.5	903.5	888.7	877.4	862.5	840.8	820.7
7.5°	1002.8	1001.1	996.7	995.0	990.6	982.8	972.3	960.1	942.7	920.9	897.4
10°	1096.9	1082.1	1077.7	1070.8	1056.8	1041.1	1022.8	1006.3	991.5	971.4	946.2
12.5°	1248.5	1245.9	1228.5	1215.4	1196.2	1161.4	1130.0	1093.4	1049.9	1015.0	981.9
15°	1332.1	1333.9	1326.0	1315.6	1303.4	1274.6	1243.3	1200.6	1149.2	1088.2	1034.2
17.5°	1347.0	1349.6	1345.2	1340.9	1337.4	1320.8	1301.7	1271.2	1224.1	1167.5	1087.3
20°	1334.8	1340.0	1340.9	1346.1	1353.1	1346.1	1330.4	1309.5	1270.3	1211.0	1134.4
22.5°	1307.7	1317.3	1324.3	1342.6	1360.9	1360.9	1351.3	1334.8	1296.4	1238.0	1159.6
25°	1306.0	1307.7	1310.4	1340.0	1368.7	1374.8	1366.1	1348.7	1306.9	1244.1	1158.8
27.5°	1349.6	1338.2	1320.8	1350.4	1384.4	1389.6	1377.4	1353.9	1304.3	1230.2	1129.1
30°	1438.4	1413.2	1376.6	1398.4	1421.9	1415.8	1391.4	1353.9	1286.8	1194.5	1073.4
32.5°	1472.4	1458.5	1445.4	1468.9	1473.3	1448.0	1404.5	1348.7	1259.0	1144.0	981.9
35°	1497.7	1498.6	1493.3	1497.7	1476.8	1441.1	1393.1	1319.9	1206.7	1053.3	860.8
37.5°	1506.4	1508.1	1496.8	1481.1	1449.8	1408.8	1351.3	1267.7	1119.6	928.8	677.8
40°	1479.4	1474.2	1455.9	1434.1	1400.1	1358.3	1295.6	1171.0	989.7	741.4	528.8
42.5°	1431.5	1422.8	1401.0	1374.8	1339.1	1286.0	1185.8	1035.0	804.2	578.5	370.3
45°	1335.6	1329.5	1302.5	1283.4	1240.7	1171.8	1042.9	853.0	622.1	418.2	214.3
47.5°	1037.7	1038.5	1059.4	1069.0	1054.2	999.3	847.7	648.2	453.9	249.2	72.3
50°	928.8	924.4	903.5	874.7	826.8	744.9	622.1	458.3	268.3	81.0	10.5
52.5°	704.8	704.8	694.4	679.6	629.0	549.8	420.8	253.5	94.1	13.9	2.6
55°	304.1	288.4	297.1	313.7	300.6	261.4	196.9	75.8	16.6	2.6	2.6
57.5°	4.4	10.5	15.7	25.3	34.0	40.9	21.8	7.8	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
67.5°	1.7	1.7	1.7	2.6	1.7	2.6	2.6	2.6	2.6	2.6	2.6
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2
2.5°	711.8	697.0	672.6	598.5	521.9	451.3	400.8	381.6
5°	798.1	771.1	730.1	578.5	426.0	297.1	223.9	195.2
7.5°	866.0	831.2	771.9	543.7	312.8	158.6	95.0	74.9
10°	911.3	873.0	795.5	492.3	207.4	74.1	35.7	29.6
12.5°	944.4	896.5	804.2	426.0	122.0	34.0	19.2	17.4
15°	968.8	907.0	793.7	345.0	67.1	20.0	15.7	15.7
17.5°	1002.8	912.2	768.4	254.4	38.3	14.8	14.8	14.8
20°	1028.9	912.2	720.5	173.4	23.5	13.1	13.1	13.1
22.5°	1042.0	898.3	662.2	109.8	16.6	12.2	13.1	13.1
25°	1028.9	864.3	587.2	67.1	13.1	11.3	12.2	13.1
27.5°	981.0	796.3	487.0	42.7	10.5	11.3	12.2	13.1
30°	900.9	697.9	373.8	27.9	9.6	11.3	12.2	13.1
32.5°	787.6	551.5	242.2	18.3	8.7	11.3	12.2	13.1
35°	615.1	390.3	146.4	11.3	8.7	11.3	13.1	13.9
37.5°	460.9	260.5	79.3	7.0	8.7	11.3	13.1	13.9
40°	319.7	151.6	34.0	6.1	8.7	12.2	13.9	13.9
42.5°	185.6	60.1	8.7	5.2	8.7	12.2	13.9	14.8
45°	68.0	12.2	2.6	5.2	9.6	12.2	13.9	15.7
47.5°	9.6	2.6	2.6	5.2	9.6	12.2	14.8	15.7
50°	2.6	2.6	2.6	5.2	9.6	13.1	15.7	16.6
52.5°	2.6	2.6	2.6	5.2	9.6	13.1	15.7	16.6
55°	2.6	2.6	2.6	5.2	9.6	13.1	15.7	16.6
57.5°	2.6	2.6	2.6	5.2	9.6	13.1	15.7	16.6
60°	2.6	2.6	2.6	5.2	8.7	13.1	15.7	16.6
62.5°	2.6	2.6	2.6	5.2	8.7	12.2	14.8	15.7
65°	2.6	2.6	2.6	5.2	7.8	11.3	14.8	14.8
67.5°	2.6	2.6	2.6	4.4	7.8	11.3	13.9	14.8
70°	2.6	2.6	2.6	4.4	7.0	10.5	13.1	13.9
72.5°	2.6	2.6	2.6	3.5	6.1	9.6	12.2	13.1
75°	1.7	2.6	2.6	3.5	6.1	8.7	11.3	12.2
77.5°	1.7	2.6	2.6	2.6	5.2	7.0	9.6	10.5
80°	1.7	1.7	2.6	2.6	4.4	6.1	7.8	8.7
82.5°	1.7	1.7	1.7	2.6	3.5	4.4	6.1	6.1
85°	1.7	1.7	1.7	1.7	2.6	3.5	4.4	4.4
87.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)