

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: P1307384

Luminaire Tested: LDSQA3D17R659024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

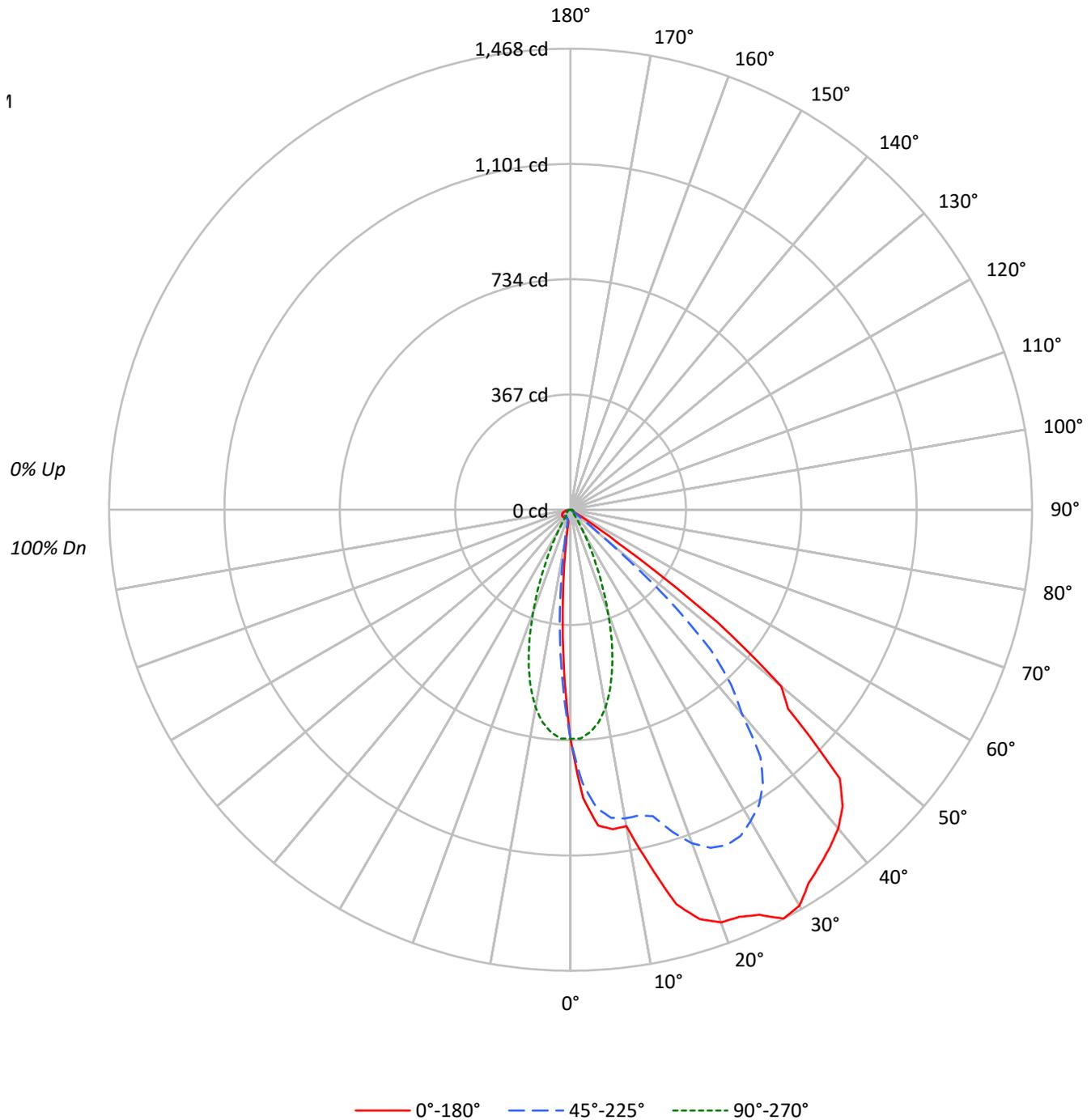
Test Method: LM-79-2019  
Report Number: P1307384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R659024DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1093.0 lumens  
Efficiency: N/A  
Efficacy: 51.6 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 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				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	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	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	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	125585	125585	125585	125585	125585
5°	174575	164755	122918	67544	47525
10°	178972	174600	111835	18869	6960
15°	231877	180045	91538	6080	5866
20°	256256	207138	63707	5407	5627
25°	270446	223832	36048	5188	5606
30°	289588	227681	16267	5190	5867
35°	290622	224247	5256	5487	6455
40°	297753	190491	3575	5868	7149
45°	294902	153540	3605	6357	7745
50°	234038	36224	3644	6993	8815
55°	55578	2042	3753	7837	9879
60°	1963	2342	4306	8232	10574
65°	2323	2323	4157	8802	11573
70°	1712	2266	4028	8560	12035
75°	1530	2262	3793	9050	12111
80°	1091	2281	4463	9025	12397
85°	2174	4545	4545	8892	11263

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 295462 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.9	5.6
10°-20°	160.3	14.7
20°-30°	251.7	23.0
30°-40°	288.0	26.3
40°-50°	231.5	21.2
50°-60°	75.3	6.9
60°-70°	13.4	1.2
70°-80°	8.8	0.8
80°-90°	3.2	0.3
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°	472.9	43.3
0°-40°	760.9	69.6
0°-60°	1067.6	97.7
0°-90°	1093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	729	729	729	729	729	
5°	1010	953	711	391	275	95
15°	1300	1010	513	34	33	362
25°	1423	1178	190	27	30	663
35°	1382	1067	25	26	31	868
45°	1211	630	15	26	32	871
55°	185	7	12	26	33	265
65°	6	6	10	22	28	5
75°	2	3	6	14	18	3
85°	1	2	2	4	6	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°	729.2	729.2	729.2	729.2	729.2	729.2	729.2	729.2	729.2	729.2	729.2
2.5°	917.8	914.4	918.9	911.0	909.8	901.9	897.3	895.0	884.8	871.2	858.7
5°	1009.8	996.1	999.5	998.4	992.7	989.3	984.8	979.1	965.5	953.0	937.1
7.5°	1025.7	1014.3	1016.6	1017.7	1014.3	1013.2	1012.0	1009.8	1000.7	989.3	975.7
10°	1023.4	1012.0	1010.9	1007.5	1004.1	1005.2	1005.2	1005.2	1003.0	998.4	993.9
12.5°	1155.2	1139.3	1135.8	1112.0	1090.4	1052.9	1029.1	1006.4	996.1	997.3	993.9
15°	1300.5	1299.4	1288.1	1265.3	1229.0	1194.9	1140.4	1099.5	1047.3	1009.8	993.9
17.5°	1366.4	1365.3	1355.1	1335.8	1309.6	1277.8	1238.1	1190.4	1132.4	1074.5	1026.8
20°	1398.2	1406.2	1394.8	1378.9	1353.9	1324.4	1286.9	1243.8	1189.2	1130.2	1073.4
22.5°	1402.8	1413.0	1402.8	1391.4	1373.2	1353.9	1322.1	1277.8	1222.2	1165.4	1109.7
25°	1423.2	1426.6	1405.0	1390.3	1373.2	1359.6	1334.6	1296.0	1239.2	1177.9	1123.4
27.5°	1467.5	1452.8	1407.3	1386.9	1371.0	1358.5	1334.6	1294.9	1233.5	1171.1	1114.3
30°	1456.2	1450.5	1410.7	1391.4	1377.8	1365.3	1335.8	1284.6	1210.8	1144.9	1085.9
32.5°	1409.6	1420.9	1407.3	1400.5	1393.7	1377.8	1334.6	1265.3	1182.4	1115.4	1035.9
35°	1382.3	1396.0	1397.1	1397.1	1389.1	1365.3	1314.2	1236.9	1154.0	1066.6	959.8
37.5°	1355.1	1366.4	1373.2	1377.8	1366.4	1332.4	1267.6	1198.3	1107.5	992.7	805.3
40°	1324.4	1332.4	1338.0	1340.3	1323.3	1279.0	1219.9	1141.5	1039.3	847.3	719.0
42.5°	1281.2	1285.8	1284.6	1283.5	1265.3	1216.5	1160.8	1079.1	876.9	755.3	599.7
45°	1210.8	1206.3	1213.1	1213.1	1189.2	1152.9	1079.1	920.0	784.9	630.4	386.2
47.5°	938.2	941.6	974.6	1027.9	1060.9	1050.7	950.7	805.3	659.9	413.4	128.4
50°	873.5	870.1	871.2	876.9	880.3	851.9	780.3	680.4	436.2	135.2	9.1
52.5°	586.1	589.5	615.6	675.8	695.1	674.7	606.5	454.3	159.0	9.1	8.0
55°	185.1	197.6	212.4	244.2	299.9	335.1	328.3	161.3	10.2	6.8	8.0
57.5°	6.8	6.8	9.1	15.9	30.7	50.0	52.2	10.2	8.0	8.0	8.0
60°	5.7	5.7	5.7	5.7	5.7	5.7	6.8	6.8	6.8	6.8	6.8
62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.8	6.8	6.8	6.8
65°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.8
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.7	5.7	5.7	5.7
70°	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.7
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5
75°	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4
80°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	729.2	729.2	729.2	729.2	729.2	729.2	729.2	729.2
2.5°	851.9	838.3	811.0	729.2	644.0	558.8	505.5	491.8
5°	918.9	903.0	864.4	711.0	538.4	390.7	306.7	274.9
7.5°	959.8	940.5	895.0	682.6	419.1	227.2	136.3	109.0
10°	978.0	960.9	909.8	639.5	303.3	107.9	47.7	39.8
12.5°	985.9	972.3	915.5	582.7	197.6	47.7	35.2	34.1
15°	989.3	974.6	913.2	513.4	112.4	34.1	32.9	32.9
17.5°	992.7	975.7	899.6	433.9	62.5	31.8	30.7	31.8
20°	1020.0	971.2	875.7	347.6	40.9	29.5	29.5	30.7
22.5°	1047.3	970.0	833.7	265.8	31.8	28.4	29.5	29.5
25°	1056.3	958.7	780.3	189.7	27.3	27.3	28.4	29.5
27.5°	1039.3	925.7	708.8	128.4	23.9	27.3	28.4	29.5
30°	999.5	870.1	622.4	81.8	22.7	26.1	28.4	29.5
32.5°	925.7	759.9	525.9	48.8	21.6	26.1	29.5	29.5
35°	778.1	637.2	416.9	25.0	21.6	26.1	29.5	30.7
37.5°	680.4	531.6	290.8	17.0	21.6	26.1	29.5	30.7
40°	564.5	383.9	121.5	15.9	21.6	26.1	29.5	31.8
42.5°	390.7	167.0	19.3	14.8	20.4	26.1	30.7	31.8
45°	140.8	21.6	9.1	14.8	20.4	26.1	30.7	31.8
47.5°	12.5	8.0	9.1	14.8	20.4	26.1	30.7	32.9
50°	8.0	8.0	8.0	13.6	20.4	26.1	30.7	32.9
52.5°	8.0	8.0	8.0	13.6	19.3	26.1	31.8	32.9
55°	8.0	8.0	8.0	12.5	19.3	26.1	30.7	32.9
57.5°	8.0	8.0	9.1	12.5	19.3	25.0	30.7	31.8
60°	8.0	8.0	8.0	12.5	18.2	23.9	29.5	30.7
62.5°	6.8	8.0	8.0	11.4	17.0	22.7	28.4	29.5
65°	6.8	6.8	8.0	10.2	15.9	21.6	26.1	28.4
67.5°	5.7	6.8	6.8	9.1	13.6	19.3	23.9	26.1
70°	5.7	5.7	5.7	8.0	12.5	17.0	22.7	23.9
72.5°	4.5	5.7	5.7	6.8	10.2	14.8	19.3	21.6
75°	4.5	4.5	4.5	5.7	9.1	13.6	17.0	18.2
77.5°	3.4	3.4	4.5	4.5	8.0	10.2	14.8	15.9
80°	3.4	3.4	3.4	4.5	5.7	9.1	11.4	12.5
82.5°	2.3	2.3	2.3	3.4	4.5	5.7	8.0	9.1
85°	2.3	2.3	2.3	2.3	3.4	4.5	5.7	5.7
87.5°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)