

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: P1314866

Luminaire Tested: LDSQA3D17R659730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314866
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: LDSQA3D17R659730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

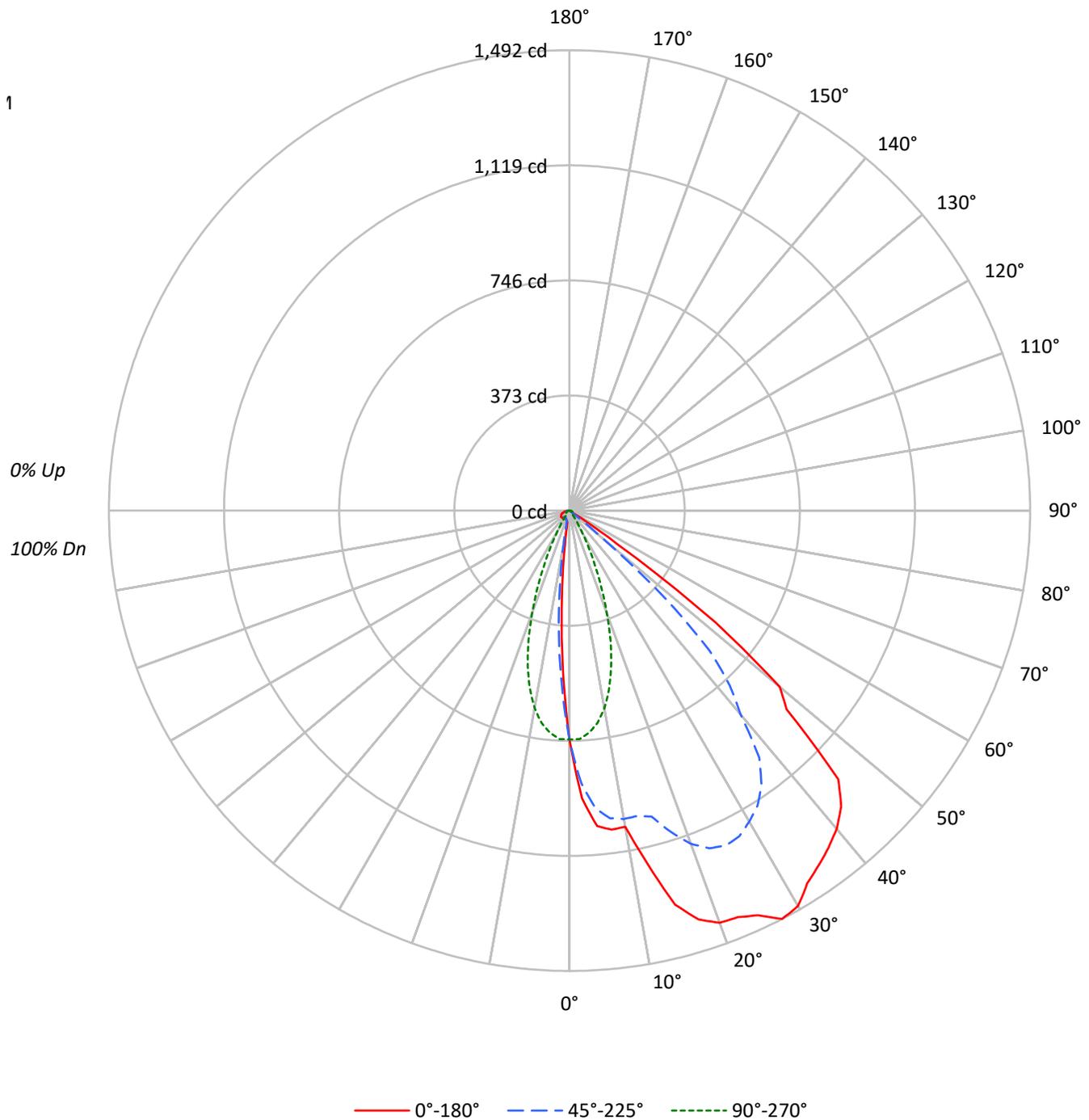
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1111.0 lumens
Efficiency: N/A
Efficacy: 52.4 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 (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	109	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°	127651	127651	127651	127651	127651
5°	177445	167469	124958	68668	48303
10°	181927	177485	113672	19184	7065
15°	235710	183005	93054	6169	5973
20°	260489	210547	64751	5498	5718
25°	274912	227519	36637	5264	5701
30°	294341	231440	16526	5290	5966
35°	295415	227927	5340	5593	6560
40°	302654	193638	3642	5980	7262
45°	299773	156073	3653	6479	7867
50°	237896	36814	3724	7127	8976
55°	56509	2072	3813	7987	10059
60°	1998	2377	4374	8336	10747
65°	2364	2364	4238	8925	11777
70°	1762	2316	4079	8711	12186
75°	1530	2329	3859	9249	12310
80°	1190	2281	4562	9124	12596
85°	2371	4545	4545	9090	11461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 300333 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	5.6
10°-20°	162.9	14.7
20°-30°	255.9	23.0
30°-40°	292.7	26.3
40°-50°	235.3	21.2
50°-60°	76.5	6.9
60°-70°	13.6	1.2
70°-80°	9.0	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°	480.6	43.3
0°-40°	773.4	69.6
0°-60°	1085.2	97.7
0°-90°	1111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	741	741	741	741	741	
5°	1026	969	723	397	279	97
15°	1322	1026	522	35	34	368
25°	1447	1197	193	28	30	674
35°	1405	1084	25	27	31	882
45°	1231	641	15	27	32	886
55°	188	7	13	27	34	269
65°	6	6	10	22	29	5
75°	2	4	6	14	18	3
85°	1	2	2	5	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°	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2
2.5°	932.9	929.4	934.0	926.0	924.8	916.7	912.1	909.8	899.4	885.5	872.8
5°	1026.4	1012.5	1016.0	1014.9	1009.1	1005.6	1001.0	995.2	981.4	968.7	952.5
7.5°	1042.6	1031.0	1033.3	1034.5	1031.0	1029.9	1028.7	1026.4	1017.2	1005.6	991.8
10°	1040.3	1028.7	1027.6	1024.1	1020.6	1021.8	1021.8	1021.8	1019.5	1014.9	1010.2
12.5°	1174.2	1158.0	1154.6	1130.3	1108.4	1070.3	1046.0	1022.9	1012.5	1013.7	1010.2
15°	1322.0	1320.8	1309.3	1286.2	1249.2	1214.6	1159.2	1117.6	1064.5	1026.4	1010.2
17.5°	1388.9	1387.8	1377.4	1357.8	1331.2	1298.9	1258.5	1210.0	1151.1	1092.2	1043.7
20°	1421.3	1429.3	1417.8	1401.6	1376.2	1346.2	1308.1	1264.2	1208.8	1148.8	1091.1
22.5°	1425.9	1436.3	1425.9	1414.3	1395.9	1376.2	1343.9	1298.9	1242.3	1184.6	1128.0
25°	1446.7	1450.1	1428.2	1413.2	1395.9	1382.0	1356.6	1317.3	1259.6	1197.3	1141.9
27.5°	1491.7	1476.7	1430.5	1409.7	1393.5	1380.8	1356.6	1316.2	1253.8	1190.3	1132.6
30°	1480.1	1474.4	1434.0	1414.3	1400.5	1387.8	1357.8	1305.8	1230.8	1163.8	1103.8
32.5°	1432.8	1444.3	1430.5	1423.6	1416.6	1400.5	1356.6	1286.2	1201.9	1133.8	1053.0
35°	1405.1	1418.9	1420.1	1420.1	1412.0	1387.8	1335.8	1257.3	1173.0	1084.1	975.6
37.5°	1377.4	1388.9	1395.9	1400.5	1388.9	1354.3	1288.5	1218.1	1125.7	1009.1	818.6
40°	1346.2	1354.3	1360.1	1362.4	1345.1	1300.0	1240.0	1160.3	1056.4	861.3	730.8
42.5°	1302.3	1307.0	1305.8	1304.6	1286.2	1236.5	1180.0	1096.8	891.3	767.8	609.6
45°	1230.8	1226.1	1233.1	1233.1	1208.8	1171.9	1096.8	935.2	797.8	640.8	392.5
47.5°	953.7	957.1	990.6	1044.9	1078.4	1068.0	966.4	818.6	670.8	420.3	130.5
50°	887.9	884.4	885.5	891.3	894.8	865.9	793.2	691.6	443.3	137.4	9.2
52.5°	595.8	599.2	625.8	687.0	706.6	685.8	616.5	461.8	161.6	9.2	8.1
55°	188.2	200.9	215.9	248.2	304.8	340.6	333.7	163.9	10.4	6.9	8.1
57.5°	6.9	6.9	9.2	16.2	31.2	50.8	53.1	10.4	8.1	8.1	8.1
60°	5.8	5.8	5.8	5.8	5.8	5.8	6.9	6.9	6.9	6.9	6.9
62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.9	6.9	6.9	6.9
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.9
67.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.8	5.8	5.8	5.8
70°	3.5	3.5	3.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.8
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6	4.6	4.6
75°	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5
80°	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	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°	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2
2.5°	865.9	852.1	824.4	741.2	654.6	568.0	513.8	499.9
5°	934.0	917.9	878.6	722.8	547.3	397.2	311.7	279.4
7.5°	975.6	956.0	909.8	693.9	426.0	230.9	138.5	110.8
10°	994.1	976.8	924.8	650.0	308.3	109.7	48.5	40.4
12.5°	1002.2	988.3	930.6	592.3	200.9	48.5	35.8	34.6
15°	1005.6	990.6	928.3	521.9	114.3	34.6	33.5	33.5
17.5°	1009.1	991.8	914.4	441.0	63.5	32.3	31.2	32.3
20°	1036.8	987.1	890.2	353.3	41.6	30.0	30.0	31.2
22.5°	1064.5	986.0	847.4	270.2	32.3	28.9	30.0	30.0
25°	1073.7	974.4	793.2	192.8	27.7	27.7	28.9	30.0
27.5°	1056.4	941.0	720.4	130.5	24.2	27.7	28.9	30.0
30°	1016.0	884.4	632.7	83.1	23.1	26.6	28.9	30.0
32.5°	941.0	772.4	534.6	49.6	21.9	26.6	30.0	30.0
35°	790.9	647.7	423.7	25.4	21.9	26.6	30.0	31.2
37.5°	691.6	540.3	295.6	17.3	21.9	26.6	30.0	31.2
40°	573.8	390.2	123.5	16.2	21.9	26.6	30.0	32.3
42.5°	397.2	169.7	19.6	15.0	20.8	26.6	31.2	32.3
45°	143.2	21.9	9.2	15.0	20.8	26.6	31.2	32.3
47.5°	12.7	8.1	9.2	15.0	20.8	26.6	31.2	33.5
50°	8.1	8.1	8.1	13.9	20.8	26.6	31.2	33.5
52.5°	8.1	8.1	8.1	13.9	19.6	26.6	32.3	33.5
55°	8.1	8.1	8.1	12.7	19.6	26.6	31.2	33.5
57.5°	8.1	8.1	9.2	12.7	19.6	25.4	31.2	32.3
60°	8.1	8.1	8.1	12.7	18.5	24.2	30.0	31.2
62.5°	6.9	8.1	8.1	11.5	17.3	23.1	28.9	30.0
65°	6.9	6.9	8.1	10.4	16.2	21.9	26.6	28.9
67.5°	5.8	6.9	6.9	9.2	13.9	19.6	24.2	26.6
70°	5.8	5.8	5.8	8.1	12.7	17.3	23.1	24.2
72.5°	4.6	5.8	5.8	6.9	10.4	15.0	19.6	21.9
75°	4.6	4.6	4.6	5.8	9.2	13.9	17.3	18.5
77.5°	3.5	3.5	4.6	4.6	8.1	10.4	15.0	16.2
80°	3.5	3.5	3.5	4.6	5.8	9.2	11.5	12.7
82.5°	2.3	2.3	2.3	3.5	4.6	5.8	8.1	9.2
85°	2.3	2.3	2.3	2.3	3.5	4.6	5.8	5.8
87.5°	1.2	1.2	1.2	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)