

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: P1316810

Luminaire Tested: LDSQA3D17R659740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316810
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: LDSQA3D17R659740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

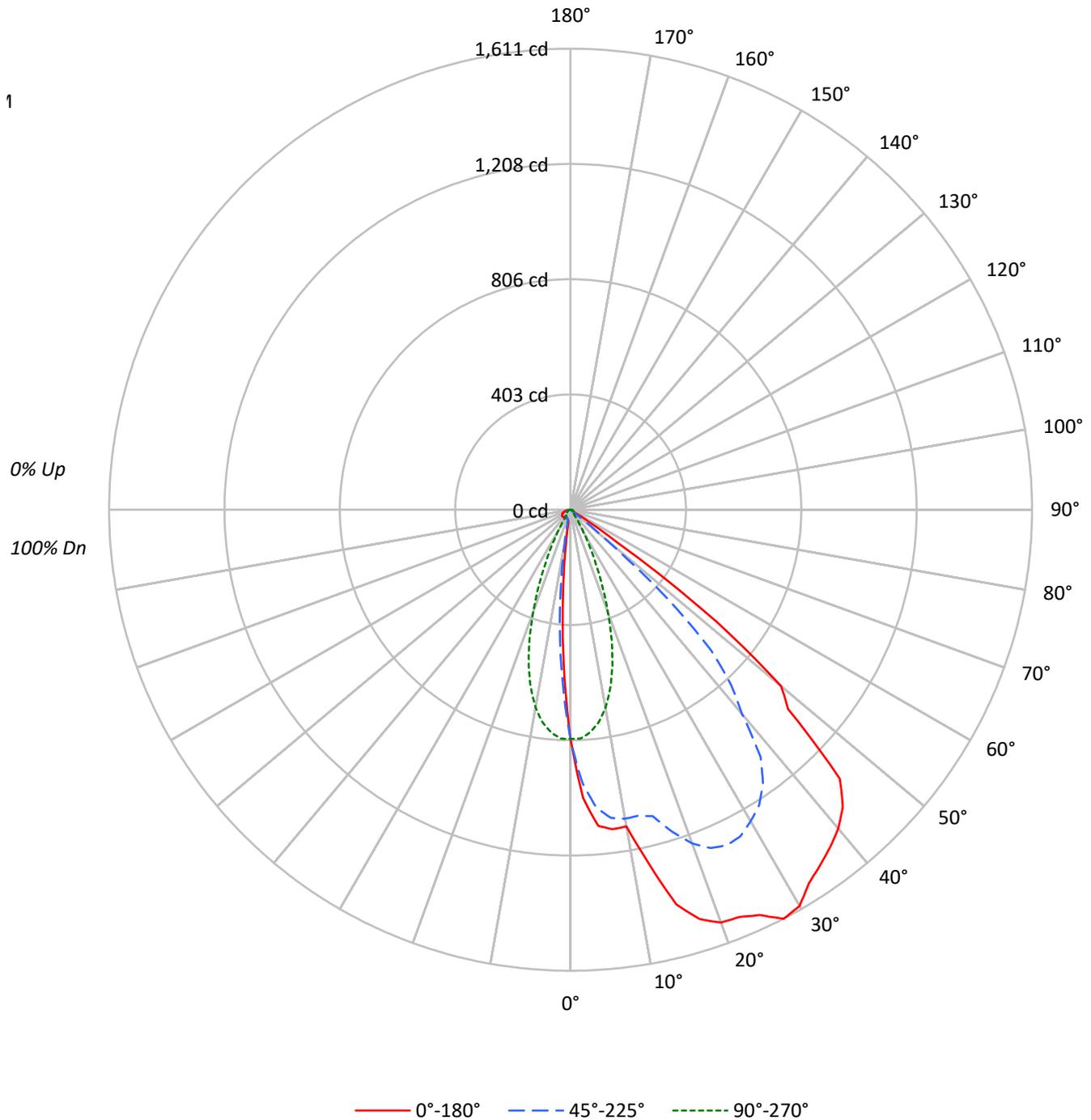
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.0 lumens
Efficiency: N/A
Efficacy: 56.6 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				
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°	137881	137881	137881	137881	137881
5°	191655	180885	134951	74166	52175
10°	196495	191703	122783	20723	7625
15°	254592	197661	100507	6668	6454
20°	281346	227408	69938	5938	6176
25°	296917	245742	39583	5682	6157
30°	317926	249974	17858	5707	6443
35°	319089	246197	5761	6034	7085
40°	326912	209151	3934	6452	7846
45°	323764	168568	3946	6990	8500
50°	256946	39761	4019	7690	9699
55°	61043	2252	4114	8617	10869
60°	2136	2583	4719	9024	11608
65°	2527	2527	4564	9658	12714
70°	1863	2518	4381	9416	13193
75°	1664	2462	4126	9981	13308
80°	1190	2479	4959	9918	13588
85°	2371	4940	4940	9880	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 324373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	5.6
10°-20°	175.9	14.7
20°-30°	276.4	23.0
30°-40°	316.2	26.3
40°-50°	254.1	21.2
50°-60°	82.7	6.9
60°-70°	14.7	1.2
70°-80°	9.7	0.8
80°-90°	3.5	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°	519.2	43.3
0°-40°	835.3	69.6
0°-60°	1172.2	97.7
0°-90°	1200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	801	801	801	801	801	
5°	1109	1046	781	429	302	105
15°	1428	1109	564	37	36	398
25°	1562	1293	208	30	32	728
35°	1518	1171	27	29	34	953
45°	1329	692	16	29	35	956
55°	203	8	14	29	36	291
65°	6	6	11	24	31	6
75°	2	4	6	15	20	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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	1007.6	1003.9	1008.9	1000.1	998.9	990.2	985.2	982.7	971.4	956.5	942.8
5°	1108.6	1093.7	1097.4	1096.2	1089.9	1086.2	1081.2	1075.0	1060.0	1046.3	1028.8
7.5°	1126.1	1113.6	1116.1	1117.4	1113.6	1112.4	1111.1	1108.6	1098.6	1086.2	1071.2
10°	1123.6	1111.1	1109.9	1106.1	1102.4	1103.6	1103.6	1103.6	1101.1	1096.2	1091.2
12.5°	1268.2	1250.8	1247.0	1220.9	1197.2	1156.0	1129.8	1104.9	1093.7	1094.9	1091.2
15°	1427.9	1426.6	1414.1	1389.2	1349.3	1311.9	1252.0	1207.1	1149.8	1108.6	1091.2
17.5°	1500.2	1498.9	1487.7	1466.5	1437.8	1402.9	1359.3	1306.9	1243.3	1179.7	1127.3
20°	1535.1	1543.8	1531.4	1513.9	1486.5	1454.1	1412.9	1365.5	1305.7	1240.8	1178.5
22.5°	1540.1	1551.3	1540.1	1527.6	1507.7	1486.5	1451.6	1402.9	1341.8	1279.5	1218.4
25°	1562.5	1566.3	1542.6	1526.4	1507.7	1492.7	1465.3	1422.9	1360.5	1293.2	1233.3
27.5°	1611.2	1595.0	1545.1	1522.6	1505.2	1491.5	1465.3	1421.6	1354.3	1285.7	1223.3
30°	1598.7	1592.5	1548.8	1527.6	1512.7	1498.9	1466.5	1410.4	1329.3	1257.0	1192.2
32.5°	1547.6	1560.1	1545.1	1537.6	1530.1	1512.7	1465.3	1389.2	1298.2	1224.6	1137.3
35°	1517.7	1532.6	1533.9	1533.9	1525.1	1498.9	1442.8	1358.0	1267.0	1171.0	1053.8
37.5°	1487.7	1500.2	1507.7	1512.7	1500.2	1462.8	1391.7	1315.6	1215.9	1089.9	884.2
40°	1454.1	1462.8	1469.0	1471.5	1452.8	1404.2	1339.3	1253.3	1141.0	930.3	789.4
42.5°	1406.7	1411.7	1410.4	1409.2	1389.2	1335.6	1274.5	1184.7	962.7	829.3	658.4
45°	1329.3	1324.4	1331.8	1331.8	1305.7	1265.7	1184.7	1010.1	861.7	692.1	424.0
47.5°	1030.1	1033.8	1070.0	1128.6	1164.7	1153.5	1043.8	884.2	724.5	453.9	140.9
50°	959.0	955.2	956.5	962.7	966.5	935.3	856.7	747.0	478.9	148.4	10.0
52.5°	643.5	647.2	675.9	742.0	763.2	740.7	665.9	498.8	174.6	10.0	8.7
55°	203.3	217.0	233.2	268.1	329.2	367.9	360.4	177.1	11.2	7.5	8.7
57.5°	7.5	7.5	10.0	17.5	33.7	54.9	57.4	11.2	8.7	8.7	8.7
60°	6.2	6.2	6.2	6.2	6.2	6.2	7.5	7.5	7.5	7.5	7.5
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.5	7.5	7.5	7.5
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.5
67.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.2	6.2	6.2	6.2
70°	3.7	3.7	3.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.2
72.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.0	5.0	5.0
75°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
80°	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	935.3	920.3	890.4	800.6	707.1	613.5	554.9	540.0
5°	1008.9	991.4	949.0	780.6	591.1	429.0	336.7	301.8
7.5°	1053.8	1032.6	982.7	749.5	460.2	249.4	149.6	119.7
10°	1073.7	1055.0	998.9	702.1	333.0	118.5	52.4	43.6
12.5°	1082.4	1067.5	1005.1	639.7	217.0	52.4	38.7	37.4
15°	1086.2	1070.0	1002.6	563.7	123.5	37.4	36.2	36.2
17.5°	1089.9	1071.2	987.7	476.4	68.6	34.9	33.7	34.9
20°	1119.8	1066.2	961.5	381.6	44.9	32.4	32.4	33.7
22.5°	1149.8	1065.0	915.3	291.8	34.9	31.2	32.4	32.4
25°	1159.8	1052.5	856.7	208.3	29.9	29.9	31.2	32.4
27.5°	1141.0	1016.3	778.2	140.9	26.2	29.9	31.2	32.4
30°	1097.4	955.2	683.4	89.8	24.9	28.7	31.2	32.4
32.5°	1016.3	834.3	577.4	53.6	23.7	28.7	32.4	32.4
35°	854.2	699.6	457.7	27.4	23.7	28.7	32.4	33.7
37.5°	747.0	583.6	319.2	18.7	23.7	28.7	32.4	33.7
40°	619.8	421.5	133.4	17.5	23.7	28.7	32.4	34.9
42.5°	429.0	183.3	21.2	16.2	22.4	28.7	33.7	34.9
45°	154.6	23.7	10.0	16.2	22.4	28.7	33.7	34.9
47.5°	13.7	8.7	10.0	16.2	22.4	28.7	33.7	36.2
50°	8.7	8.7	8.7	15.0	22.4	28.7	33.7	36.2
52.5°	8.7	8.7	8.7	15.0	21.2	28.7	34.9	36.2
55°	8.7	8.7	8.7	13.7	21.2	28.7	33.7	36.2
57.5°	8.7	8.7	10.0	13.7	21.2	27.4	33.7	34.9
60°	8.7	8.7	8.7	13.7	20.0	26.2	32.4	33.7
62.5°	7.5	8.7	8.7	12.5	18.7	24.9	31.2	32.4
65°	7.5	7.5	8.7	11.2	17.5	23.7	28.7	31.2
67.5°	6.2	7.5	7.5	10.0	15.0	21.2	26.2	28.7
70°	6.2	6.2	6.2	8.7	13.7	18.7	24.9	26.2
72.5°	5.0	6.2	6.2	7.5	11.2	16.2	21.2	23.7
75°	5.0	5.0	5.0	6.2	10.0	15.0	18.7	20.0
77.5°	3.7	3.7	5.0	5.0	8.7	11.2	16.2	17.5
80°	3.7	3.7	3.7	5.0	6.2	10.0	12.5	13.7
82.5°	2.5	2.5	2.5	3.7	5.0	6.2	8.7	10.0
85°	2.5	2.5	2.5	2.5	3.7	5.0	6.2	6.2
87.5°	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)