

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: P1320325

Luminaire Tested: LDSQA3D17R659840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320325
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: LDSQA3D17R659840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

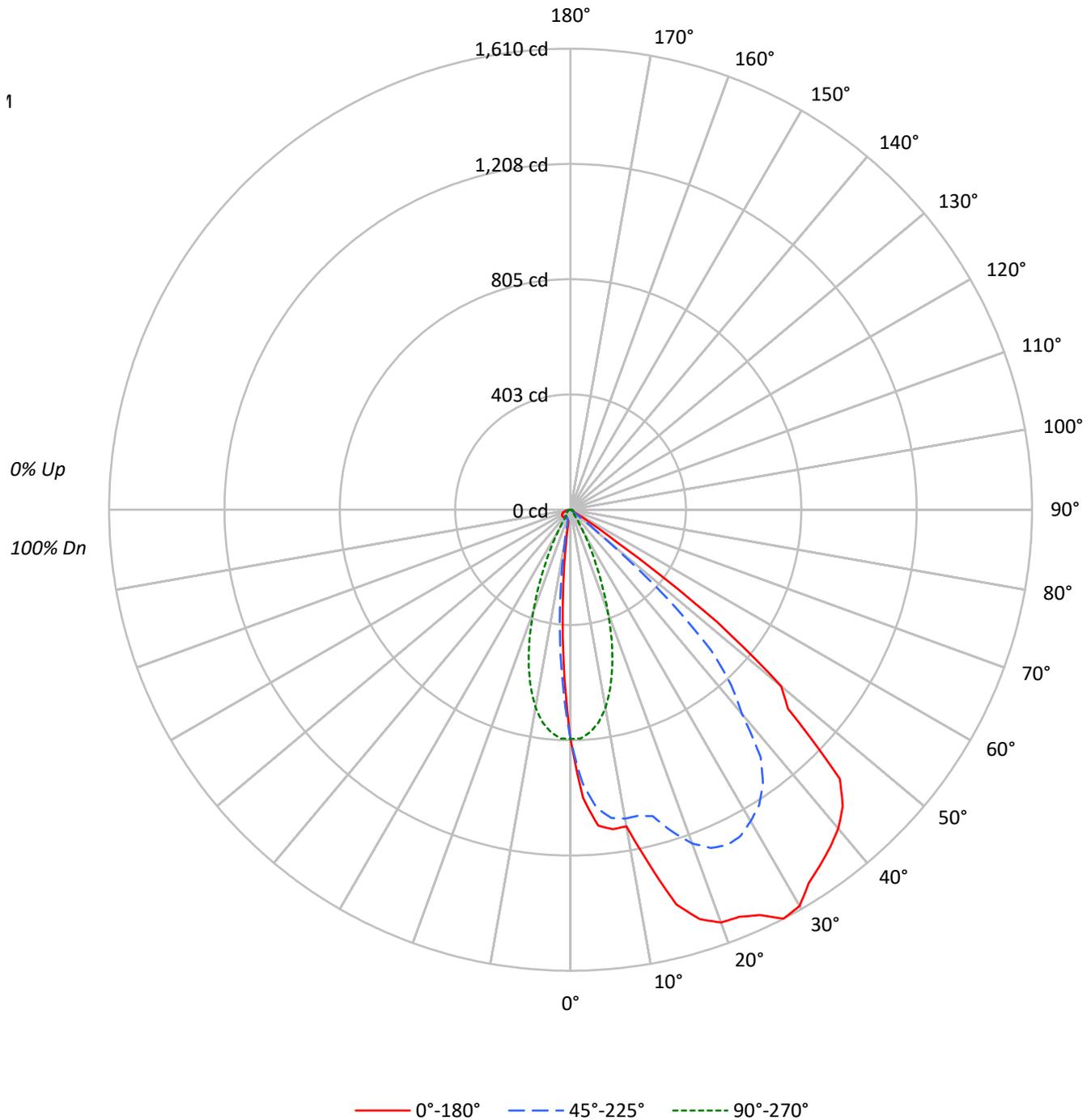
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.0 lumens
Efficiency: N/A
Efficacy: 58.8 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): 20.4
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				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°	137761	137761	137761	137761	137761
5°	191500	180729	134847	74097	52123
10°	196337	191528	122678	20706	7625
15°	254378	197501	100417	6668	6437
20°	281108	227225	69883	5938	6158
25°	296670	245533	39545	5682	6157
30°	317668	249775	17838	5707	6443
35°	318816	245987	5761	6034	7064
40°	326619	208971	3912	6452	7846
45°	323496	168421	3946	6990	8500
50°	256731	39734	4019	7690	9672
55°	60983	2252	4114	8617	10839
60°	2136	2583	4719	9024	11573
65°	2527	2527	4564	9658	12714
70°	1863	2518	4381	9416	13193
75°	1664	2462	4126	9981	13242
80°	1190	2479	4959	9918	13588
85°	2371	4940	4940	9880	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 324105 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	5.6
10°-20°	175.8	14.7
20°-30°	276.2	23.0
30°-40°	315.9	26.3
40°-50°	253.9	21.2
50°-60°	82.6	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°	518.7	43.3
0°-40°	834.6	69.6
0°-60°	1171.2	97.7
0°-90°	1199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	800	800	800	800	800	
5°	1108	1045	780	429	302	105
15°	1427	1108	563	37	36	398
25°	1561	1292	208	30	32	727
35°	1516	1170	27	29	34	952
45°	1328	692	16	29	35	956
55°	203	8	14	29	36	290
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°	799.9	799.9	799.9	799.9	799.9	799.9	799.9	799.9	799.9	799.9	799.9
2.5°	1006.8	1003.0	1008.0	999.3	998.0	989.3	984.3	981.9	970.6	955.7	942.0
5°	1107.7	1092.7	1096.5	1095.2	1089.0	1085.3	1080.3	1074.1	1059.1	1045.4	1028.0
7.5°	1125.1	1112.7	1115.2	1116.4	1112.7	1111.4	1110.2	1107.7	1097.7	1085.3	1070.3
10°	1122.7	1110.2	1108.9	1105.2	1101.5	1102.7	1102.7	1102.7	1100.2	1095.2	1090.3
12.5°	1267.2	1249.7	1246.0	1219.8	1196.2	1155.0	1128.9	1104.0	1092.7	1094.0	1090.3
15°	1426.7	1425.4	1413.0	1388.0	1348.2	1310.8	1251.0	1206.1	1148.8	1107.7	1090.3
17.5°	1498.9	1497.7	1486.5	1465.3	1436.6	1401.8	1358.1	1305.8	1242.3	1178.7	1126.4
20°	1533.8	1542.6	1530.1	1512.6	1485.2	1452.8	1411.7	1364.4	1304.6	1239.8	1177.5
22.5°	1538.8	1550.0	1538.8	1526.4	1506.4	1485.2	1450.3	1401.8	1340.7	1278.4	1217.3
25°	1561.2	1565.0	1541.3	1525.1	1506.4	1491.5	1464.1	1421.7	1359.4	1292.1	1232.3
27.5°	1609.8	1593.6	1543.8	1521.4	1503.9	1490.2	1464.1	1420.4	1353.2	1284.6	1222.3
30°	1597.4	1591.1	1547.5	1526.4	1511.4	1497.7	1465.3	1409.2	1328.2	1256.0	1191.2
32.5°	1546.3	1558.8	1543.8	1536.3	1528.8	1511.4	1464.1	1388.0	1297.1	1223.6	1136.4
35°	1516.4	1531.3	1532.6	1532.6	1523.9	1497.7	1441.6	1356.9	1265.9	1170.0	1052.9
37.5°	1486.5	1498.9	1506.4	1511.4	1498.9	1461.6	1390.5	1314.5	1214.9	1089.0	883.4
40°	1452.8	1461.6	1467.8	1470.3	1451.6	1403.0	1338.2	1252.2	1140.1	929.5	788.7
42.5°	1405.5	1410.5	1409.2	1408.0	1388.0	1334.5	1273.4	1183.7	961.9	828.6	657.9
45°	1328.2	1323.3	1330.7	1330.7	1304.6	1264.7	1183.7	1009.3	861.0	691.5	423.6
47.5°	1029.2	1032.9	1069.1	1127.6	1163.8	1152.6	1042.9	883.4	723.9	453.5	140.8
50°	958.2	954.4	955.7	961.9	965.7	934.5	856.0	746.4	478.5	148.3	10.0
52.5°	642.9	646.7	675.3	741.4	762.6	740.1	665.4	498.4	174.4	10.0	8.7
55°	203.1	216.8	233.0	267.9	328.9	367.6	360.1	176.9	11.2	7.5	8.7
57.5°	7.5	7.5	10.0	17.4	33.6	54.8	57.3	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°	799.9	799.9	799.9	799.9	799.9	799.9	799.9	799.9
2.5°	934.5	919.6	889.6	799.9	706.5	613.0	554.5	539.5
5°	1008.0	990.6	948.2	780.0	590.6	428.6	336.4	301.5
7.5°	1052.9	1031.7	981.9	748.8	459.8	249.2	149.5	119.6
10°	1072.8	1054.1	998.0	701.5	332.7	118.4	52.3	43.6
12.5°	1081.5	1066.6	1004.3	639.2	216.8	52.3	38.6	37.4
15°	1085.3	1069.1	1001.8	563.2	123.4	37.4	36.1	36.1
17.5°	1089.0	1070.3	986.8	476.0	68.5	34.9	33.6	34.9
20°	1118.9	1065.3	960.7	381.3	44.9	32.4	32.4	33.6
22.5°	1148.8	1064.1	914.6	291.6	34.9	31.2	32.4	32.4
25°	1158.8	1051.6	856.0	208.1	29.9	29.9	31.2	32.4
27.5°	1140.1	1015.5	777.5	140.8	26.2	29.9	31.2	32.4
30°	1096.5	954.4	682.8	89.7	24.9	28.7	31.2	32.4
32.5°	1015.5	833.6	576.9	53.6	23.7	28.7	32.4	32.4
35°	853.5	699.0	457.3	27.4	23.7	28.7	32.4	33.6
37.5°	746.4	583.1	319.0	18.7	23.7	28.7	32.4	33.6
40°	619.3	421.1	133.3	17.4	23.7	28.7	32.4	34.9
42.5°	428.6	183.2	21.2	16.2	22.4	28.7	33.6	34.9
45°	154.5	23.7	10.0	16.2	22.4	28.7	33.6	34.9
47.5°	13.7	8.7	10.0	16.2	22.4	28.7	33.6	36.1
50°	8.7	8.7	8.7	15.0	22.4	28.7	33.6	36.1
52.5°	8.7	8.7	8.7	15.0	21.2	28.7	34.9	36.1
55°	8.7	8.7	8.7	13.7	21.2	28.7	33.6	36.1
57.5°	8.7	8.7	10.0	13.7	21.2	27.4	33.6	34.9
60°	8.7	8.7	8.7	13.7	19.9	26.2	32.4	33.6
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	17.4	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	19.9
77.5°	3.7	3.7	5.0	5.0	8.7	11.2	16.2	17.4
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)