

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: P1310592

Luminaire Tested: LDSQA3D17R659035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310592
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: LDSQA3D17R659035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

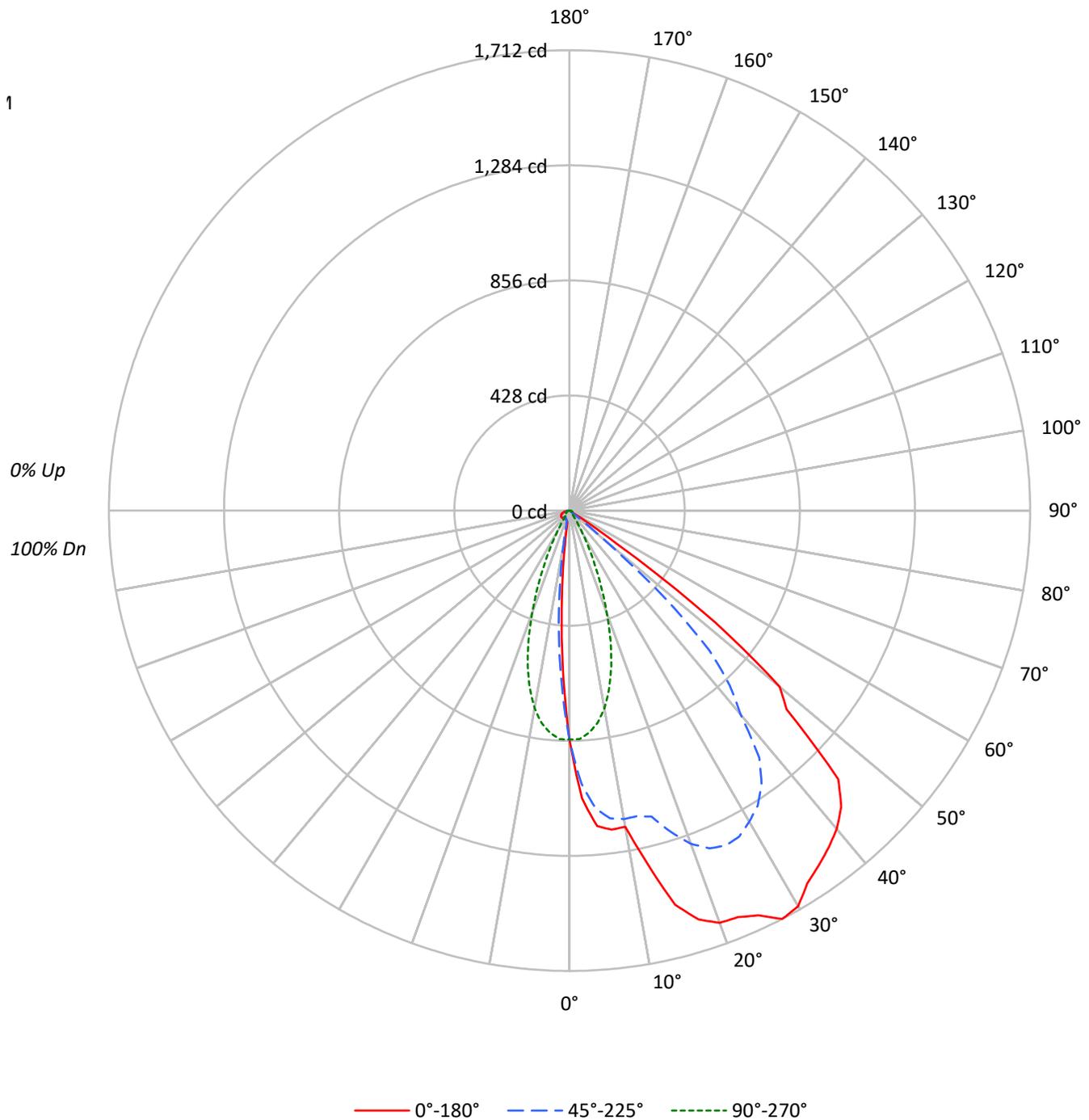
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.0 lumens
Efficiency: N/A
Efficacy: 60.1 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	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°	146493	146493	146493	146493	146493
5°	203636	192191	143387	78799	55425
10°	208771	203682	130460	22017	8114
15°	270496	210017	106783	7078	6847
20°	298941	241630	74300	6305	6561
25°	315482	261097	42053	6043	6537
30°	337793	265605	18972	6065	6841
35°	339020	261587	6118	6412	7527
40°	347325	222213	4159	6857	8341
45°	344004	179114	4189	7429	9036
50°	272995	42253	4260	8172	10289
55°	64856	2372	4384	9158	11530
60°	2273	2721	5029	9576	12331
65°	2690	2690	4849	10269	13489
70°	2014	2669	4683	10021	13999
75°	1730	2662	4392	10580	14107
80°	1289	2579	5256	10513	14480
85°	2569	5138	5138	10473	13042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 344661 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	5.6
10°-20°	186.9	14.7
20°-30°	293.7	23.0
30°-40°	336.0	26.4
40°-50°	270.0	21.2
50°-60°	87.8	6.9
60°-70°	15.6	1.2
70°-80°	10.3	0.8
80°-90°	3.7	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°	551.6	43.3
0°-40°	887.5	69.6
0°-60°	1245.4	97.7
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	851	851	851	851	851	
5°	1178	1112	829	456	321	111
15°	1517	1178	599	40	38	423
25°	1660	1374	221	32	34	774
35°	1612	1244	29	30	36	1013
45°	1412	735	17	30	37	1016
55°	216	8	15	30	38	309
65°	7	7	12	25	33	6
75°	3	4	7	16	21	3
85°	1	3	3	5	7	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°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6
2.5°	1070.6	1066.6	1071.9	1062.6	1061.3	1052.0	1046.7	1044.1	1032.2	1016.3	1001.7
5°	1177.9	1162.0	1166.0	1164.7	1158.0	1154.1	1148.8	1142.1	1126.2	1111.7	1093.1
7.5°	1196.5	1183.2	1185.9	1187.2	1183.2	1181.9	1180.6	1177.9	1167.3	1154.1	1138.2
10°	1193.8	1180.6	1179.2	1175.3	1171.3	1172.6	1172.6	1172.6	1170.0	1164.7	1159.4
12.5°	1347.5	1329.0	1325.0	1297.2	1272.0	1228.3	1200.4	1173.9	1162.0	1163.3	1159.4
15°	1517.1	1515.8	1502.5	1476.0	1433.6	1393.9	1330.3	1282.6	1221.6	1177.9	1159.4
17.5°	1594.0	1592.6	1580.7	1558.2	1527.7	1490.6	1444.2	1388.6	1321.0	1253.4	1197.8
20°	1631.1	1640.3	1627.1	1608.5	1579.4	1544.9	1501.2	1450.9	1387.3	1318.4	1252.1
22.5°	1636.4	1648.3	1636.4	1623.1	1601.9	1579.4	1542.3	1490.6	1425.7	1359.4	1294.5
25°	1660.2	1664.2	1639.0	1621.8	1601.9	1586.0	1556.9	1511.8	1445.6	1374.0	1310.4
27.5°	1711.9	1694.7	1641.7	1617.8	1599.3	1584.7	1556.9	1510.5	1438.9	1366.1	1299.8
30°	1698.6	1692.0	1645.6	1623.1	1607.2	1592.6	1558.2	1498.6	1412.4	1335.6	1266.7
32.5°	1644.3	1657.6	1641.7	1633.7	1625.8	1607.2	1556.9	1476.0	1379.3	1301.1	1208.4
35°	1612.5	1628.4	1629.7	1629.7	1620.5	1592.6	1533.0	1442.9	1346.2	1244.2	1119.6
37.5°	1580.7	1594.0	1601.9	1607.2	1594.0	1554.2	1478.7	1397.9	1291.9	1158.0	939.4
40°	1544.9	1554.2	1560.8	1563.5	1543.6	1491.9	1423.0	1331.6	1212.4	988.4	838.7
42.5°	1494.6	1499.9	1498.6	1497.2	1476.0	1419.1	1354.1	1258.7	1022.9	881.1	699.6
45°	1412.4	1407.1	1415.1	1415.1	1387.3	1344.9	1258.7	1073.2	915.6	735.4	450.5
47.5°	1094.4	1098.4	1136.8	1199.1	1237.5	1225.6	1109.0	939.4	769.8	482.3	149.7
50°	1018.9	1014.9	1016.3	1022.9	1026.9	993.7	910.3	793.7	508.8	157.7	10.6
52.5°	683.7	687.7	718.1	788.4	810.9	787.0	707.5	530.0	185.5	10.6	9.3
55°	216.0	230.5	247.8	284.9	349.8	390.9	382.9	188.1	11.9	7.9	9.3
57.5°	7.9	7.9	10.6	18.5	35.8	58.3	60.9	11.9	9.3	9.3	9.3
60°	6.6	6.6	6.6	6.6	6.6	6.6	7.9	7.9	7.9	7.9	7.9
62.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.9	7.9	7.9	7.9
65°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.9
67.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.6	6.6	6.6	6.6
70°	4.0	4.0	4.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.6
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	5.3
75°	2.6	2.6	2.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0	4.0	4.0
80°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6
2.5°	993.7	977.8	946.0	850.6	751.3	651.9	589.6	573.7
5°	1071.9	1053.4	1008.3	829.4	628.0	455.8	357.7	320.6
7.5°	1119.6	1097.1	1044.1	796.3	488.9	265.0	159.0	127.2
10°	1140.8	1120.9	1061.3	746.0	353.8	125.9	55.6	46.4
12.5°	1150.1	1134.2	1067.9	679.7	230.5	55.6	41.1	39.7
15°	1154.1	1136.8	1065.3	598.9	131.2	39.7	38.4	38.4
17.5°	1158.0	1138.2	1049.4	506.1	72.9	37.1	35.8	37.1
20°	1189.8	1132.9	1021.6	405.4	47.7	34.4	34.4	35.8
22.5°	1221.6	1131.5	972.5	310.0	37.1	33.1	34.4	34.4
25°	1232.2	1118.3	910.3	221.3	31.8	31.8	33.1	34.4
27.5°	1212.4	1079.9	826.8	149.7	27.8	31.8	33.1	34.4
30°	1166.0	1014.9	726.1	95.4	26.5	30.5	33.1	34.4
32.5°	1079.9	886.4	613.5	57.0	25.2	30.5	34.4	34.4
35°	907.6	743.3	486.3	29.1	25.2	30.5	34.4	35.8
37.5°	793.7	620.1	339.2	19.9	25.2	30.5	34.4	35.8
40°	658.5	447.8	141.8	18.5	25.2	30.5	34.4	37.1
42.5°	455.8	194.8	22.5	17.2	23.8	30.5	35.8	37.1
45°	164.3	25.2	10.6	17.2	23.8	30.5	35.8	37.1
47.5°	14.6	9.3	10.6	17.2	23.8	30.5	35.8	38.4
50°	9.3	9.3	9.3	15.9	23.8	30.5	35.8	38.4
52.5°	9.3	9.3	9.3	15.9	22.5	30.5	37.1	38.4
55°	9.3	9.3	9.3	14.6	22.5	30.5	35.8	38.4
57.5°	9.3	9.3	10.6	14.6	22.5	29.1	35.8	37.1
60°	9.3	9.3	9.3	14.6	21.2	27.8	34.4	35.8
62.5°	7.9	9.3	9.3	13.2	19.9	26.5	33.1	34.4
65°	7.9	7.9	9.3	11.9	18.5	25.2	30.5	33.1
67.5°	6.6	7.9	7.9	10.6	15.9	22.5	27.8	30.5
70°	6.6	6.6	6.6	9.3	14.6	19.9	26.5	27.8
72.5°	5.3	6.6	6.6	7.9	11.9	17.2	22.5	25.2
75°	5.3	5.3	5.3	6.6	10.6	15.9	19.9	21.2
77.5°	4.0	4.0	5.3	5.3	9.3	11.9	17.2	18.5
80°	4.0	4.0	4.0	5.3	6.6	10.6	13.2	14.6
82.5°	2.6	2.6	2.6	4.0	5.3	6.6	9.3	10.6
85°	2.6	2.6	2.6	2.6	4.0	5.3	6.6	6.6
87.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)