

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: P1315838

Luminaire Tested: LDSQA3D17R659735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315838
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: LDSQA3D17R659735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

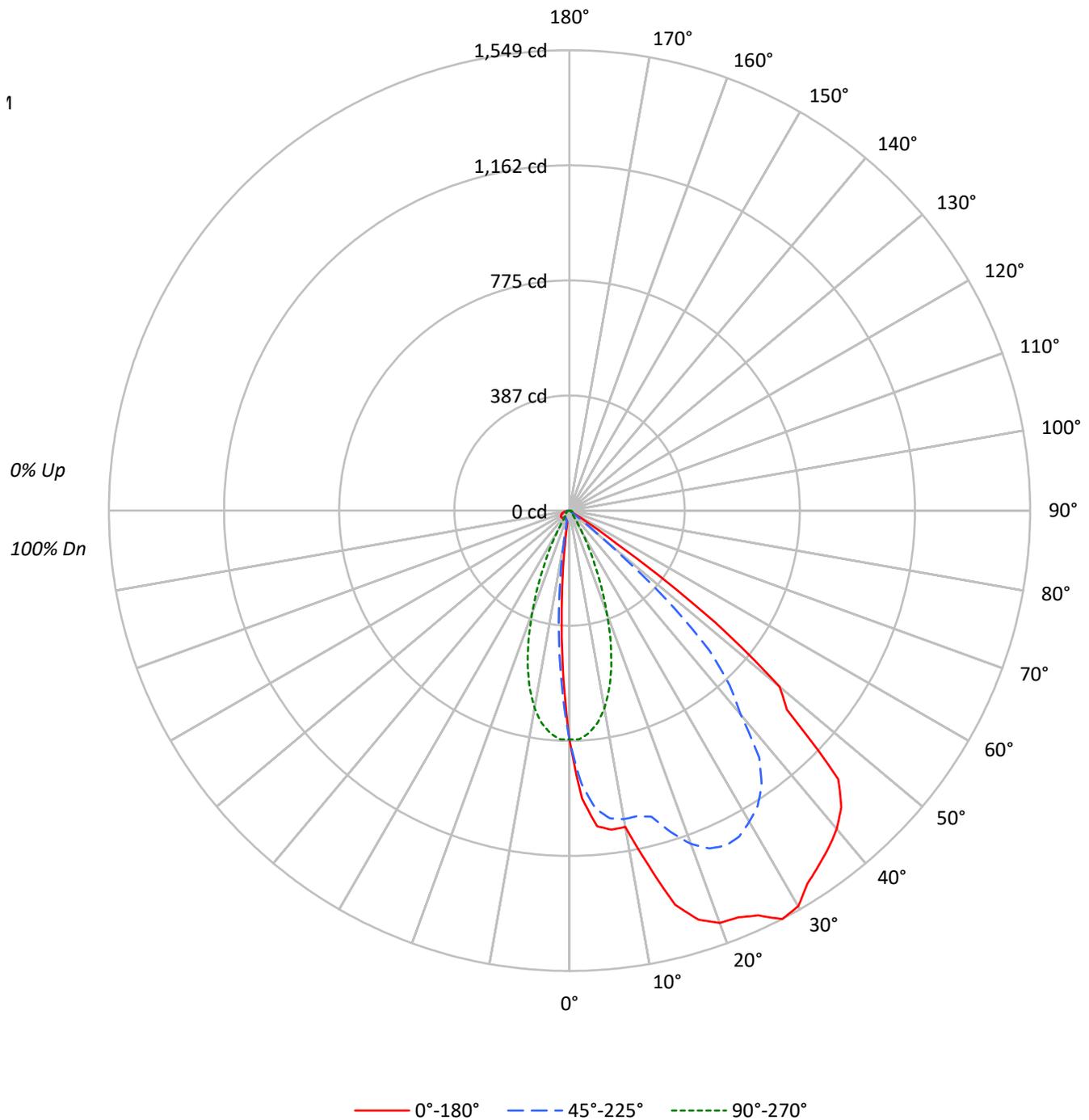
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1154.0 lumens
Efficiency: N/A
Efficacy: 54.4 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 (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

TEST NUMBER: P1315838
CATALOG NUMBER: LDSQA3D17R659735DE010 3LSQCA30R 1MW

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°	132594	132594	132594	132594	132594
5°	184308	173952	129781	71313	50170
10°	188957	184340	118079	19919	7345
15°	244821	190083	96655	6419	6205
20°	270570	218684	67262	5718	5938
25°	285534	236317	38062	5473	5929
30°	305736	240389	17162	5489	6205
35°	306853	236757	5550	5803	6812
40°	314367	201125	3777	6205	7554
45°	311367	162113	3800	6722	8184
50°	247086	38234	3858	7395	9324
55°	58701	2162	3963	8287	10449
60°	2067	2480	4547	8680	11160
65°	2445	2445	4401	9291	12225
70°	1813	2417	4230	9064	12689
75°	1597	2396	3993	9582	12776
80°	1190	2380	4761	9521	13092
85°	2371	4742	4742	9485	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 311951 cd/sqm



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CATALOG NUMBER: LDSQA3D17R659735DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	5.6
10°-20°	169.2	14.7
20°-30°	265.8	23.0
30°-40°	304.1	26.3
40°-50°	244.4	21.2
50°-60°	79.5	6.9
60°-70°	14.1	1.2
70°-80°	9.3	0.8
80°-90°	3.3	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°	499.3	43.3
0°-40°	803.3	69.6
0°-60°	1127.2	97.7
0°-90°	1154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	770	770	770	770	770	
5°	1066	1006	751	412	290	101
15°	1373	1066	542	36	35	383
25°	1503	1244	200	29	31	700
35°	1460	1126	26	28	32	917
45°	1278	666	16	28	34	920
55°	196	7	13	28	35	279
65°	6	6	11	23	30	5
75°	2	4	6	14	19	3
85°	1	2	2	5	6	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D17R659735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	969.0	965.4	970.2	961.8	960.6	952.2	947.4	945.0	934.2	919.8	906.6
5°	1066.1	1051.7	1055.3	1054.1	1048.1	1044.5	1039.7	1033.7	1019.4	1006.2	989.4
7.5°	1082.9	1070.9	1073.3	1074.5	1070.9	1069.7	1068.5	1066.1	1056.5	1044.5	1030.1
10°	1080.5	1068.5	1067.3	1063.7	1060.1	1061.3	1061.3	1061.3	1058.9	1054.1	1049.3
12.5°	1219.6	1202.8	1199.2	1174.1	1151.3	1111.7	1086.5	1062.5	1051.7	1052.9	1049.3
15°	1373.1	1371.9	1359.9	1336.0	1297.6	1261.6	1204.0	1160.9	1105.7	1066.1	1049.3
17.5°	1442.7	1441.5	1430.7	1410.3	1382.7	1349.1	1307.2	1256.8	1195.6	1134.5	1084.1
20°	1476.3	1484.7	1472.7	1455.9	1429.5	1398.3	1358.7	1313.2	1255.6	1193.2	1133.3
22.5°	1481.1	1491.9	1481.1	1469.1	1449.9	1429.5	1395.9	1349.1	1290.4	1230.4	1171.7
25°	1502.6	1506.2	1483.5	1467.9	1449.9	1435.5	1409.1	1368.3	1308.4	1243.6	1186.0
27.5°	1549.4	1533.8	1485.9	1464.3	1447.5	1434.3	1409.1	1367.1	1302.4	1236.4	1176.5
30°	1537.4	1531.4	1489.5	1469.1	1454.7	1441.5	1410.3	1356.3	1278.4	1208.8	1146.5
32.5°	1488.3	1500.2	1485.9	1478.7	1471.5	1454.7	1409.1	1336.0	1248.4	1177.7	1093.7
35°	1459.5	1473.9	1475.1	1475.1	1466.7	1441.5	1387.5	1306.0	1218.4	1126.1	1013.4
37.5°	1430.7	1442.7	1449.9	1454.7	1442.7	1406.7	1338.4	1265.2	1169.3	1048.1	850.3
40°	1398.3	1406.7	1412.7	1415.1	1397.1	1350.3	1288.0	1205.2	1097.3	894.6	759.1
42.5°	1352.7	1357.5	1356.3	1355.1	1336.0	1284.4	1225.6	1139.3	925.8	797.5	633.2
45°	1278.4	1273.6	1280.8	1280.8	1255.6	1217.2	1139.3	971.4	828.7	665.6	407.7
47.5°	990.6	994.2	1028.9	1085.3	1120.1	1109.3	1003.8	850.3	696.8	436.5	135.5
50°	922.2	918.6	919.8	925.8	929.4	899.4	823.9	718.3	460.5	142.7	9.6
52.5°	618.8	622.4	650.0	713.5	733.9	712.3	640.4	479.7	167.9	9.6	8.4
55°	195.5	208.7	224.3	257.8	316.6	353.8	346.6	170.3	10.8	7.2	8.4
57.5°	7.2	7.2	9.6	16.8	32.4	52.8	55.2	10.8	8.4	8.4	8.4
60°	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2	7.2	7.2
62.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2	7.2
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.2
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.0	6.0	6.0	6.0
70°	3.6	3.6	3.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.0
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8
75°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6
80°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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



TEST NUMBER: P1315838

CATALOG NUMBER: LDSQA3D17R659735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	899.4	885.0	856.3	769.9	680.0	590.0	533.7	519.3
5°	970.2	953.4	912.6	750.7	568.4	412.5	323.8	290.2
7.5°	1013.4	993.0	945.0	720.7	442.5	239.8	143.9	115.1
10°	1032.5	1014.6	960.6	675.2	320.2	113.9	50.4	42.0
12.5°	1040.9	1026.5	966.6	615.2	208.7	50.4	37.2	36.0
15°	1044.5	1028.9	964.2	542.1	118.7	36.0	34.8	34.8
17.5°	1048.1	1030.1	949.8	458.1	66.0	33.6	32.4	33.6
20°	1076.9	1025.4	924.6	367.0	43.2	31.2	31.2	32.4
22.5°	1105.7	1024.2	880.2	280.6	33.6	30.0	31.2	31.2
25°	1115.3	1012.2	823.9	200.3	28.8	28.8	30.0	31.2
27.5°	1097.3	977.4	748.3	135.5	25.2	28.8	30.0	31.2
30°	1055.3	918.6	657.2	86.3	24.0	27.6	30.0	31.2
32.5°	977.4	802.3	555.2	51.6	22.8	27.6	31.2	31.2
35°	821.5	672.8	440.1	26.4	22.8	27.6	31.2	32.4
37.5°	718.3	561.2	307.0	18.0	22.8	27.6	31.2	32.4
40°	596.0	405.3	128.3	16.8	22.8	27.6	31.2	33.6
42.5°	412.5	176.3	20.4	15.6	21.6	27.6	32.4	33.6
45°	148.7	22.8	9.6	15.6	21.6	27.6	32.4	33.6
47.5°	13.2	8.4	9.6	15.6	21.6	27.6	32.4	34.8
50°	8.4	8.4	8.4	14.4	21.6	27.6	32.4	34.8
52.5°	8.4	8.4	8.4	14.4	20.4	27.6	33.6	34.8
55°	8.4	8.4	8.4	13.2	20.4	27.6	32.4	34.8
57.5°	8.4	8.4	9.6	13.2	20.4	26.4	32.4	33.6
60°	8.4	8.4	8.4	13.2	19.2	25.2	31.2	32.4
62.5°	7.2	8.4	8.4	12.0	18.0	24.0	30.0	31.2
65°	7.2	7.2	8.4	10.8	16.8	22.8	27.6	30.0
67.5°	6.0	7.2	7.2	9.6	14.4	20.4	25.2	27.6
70°	6.0	6.0	6.0	8.4	13.2	18.0	24.0	25.2
72.5°	4.8	6.0	6.0	7.2	10.8	15.6	20.4	22.8
75°	4.8	4.8	4.8	6.0	9.6	14.4	18.0	19.2
77.5°	3.6	3.6	4.8	4.8	8.4	10.8	15.6	16.8
80°	3.6	3.6	3.6	4.8	6.0	9.6	12.0	13.2
82.5°	2.4	2.4	2.4	3.6	4.8	6.0	8.4	9.6
85°	2.4	2.4	2.4	2.4	3.6	4.8	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)