

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: P1308356

Luminaire Tested: LDSQA3D17R659027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308356
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: LDSQA3D17R659027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

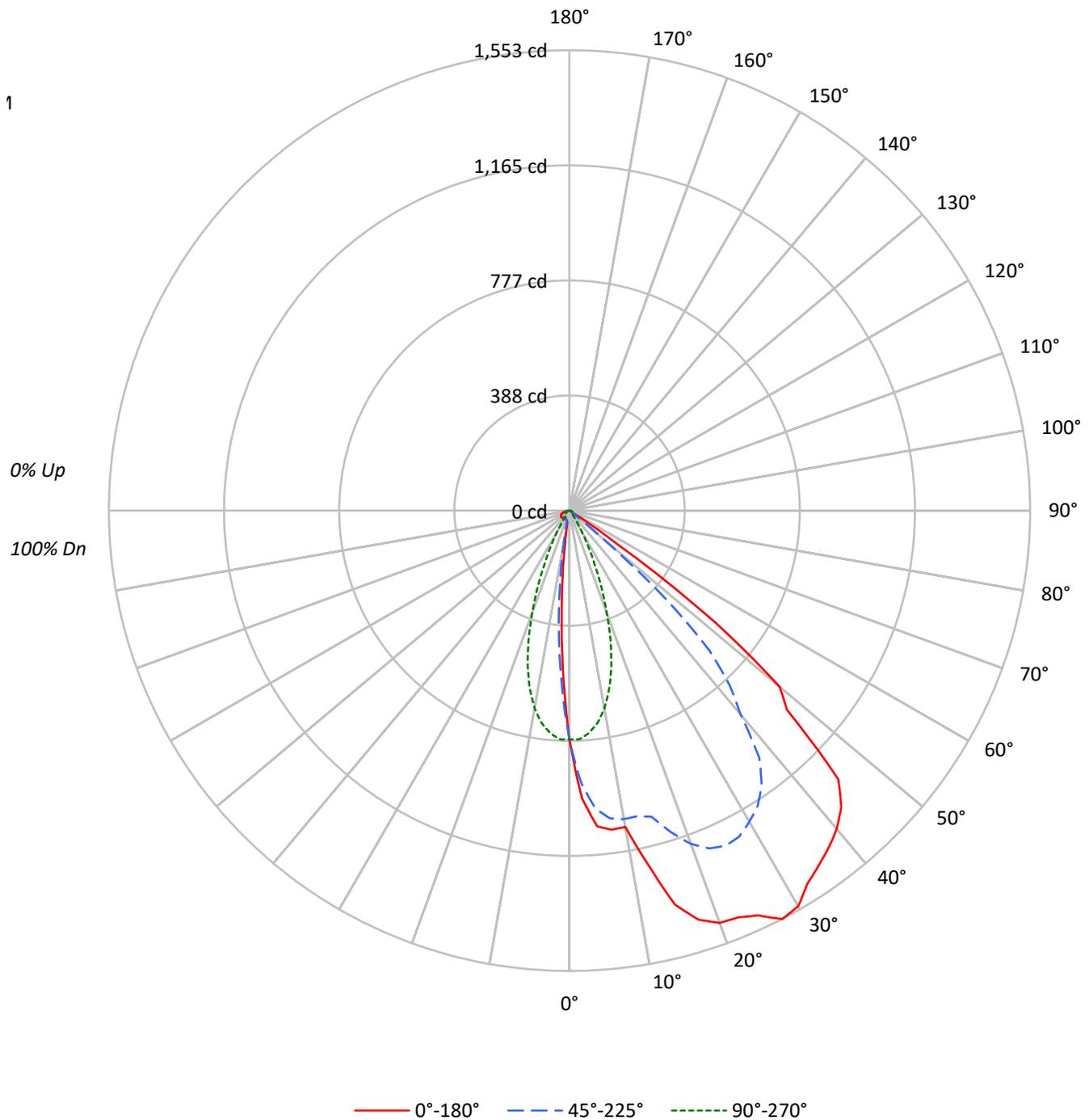
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1157.0 lumens
Efficiency: N/A
Efficacy: 54.6 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 (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

TEST NUMBER: P1308356
CATALOG NUMBER: LDSQA3D17R659027DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1308356

CATALOG NUMBER: LDSQA3D17R659027DE010 3LSQCA30R 1MW

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°	132939	132939	132939	132939	132939
5°	184792	174402	130127	71503	50308
10°	189447	184830	118376	19971	7362
15°	245463	190583	96905	6437	6223
20°	271266	219252	67427	5737	5956
25°	286294	236925	38157	5492	5948
30°	306531	241025	17222	5509	6224
35°	307652	237367	5571	5824	6833
40°	315176	201664	3777	6228	7576
45°	312170	162527	3800	6747	8208
50°	247729	38341	3858	7422	9351
55°	58851	2162	3963	8317	10479
60°	2067	2480	4547	8680	11194
65°	2445	2445	4401	9291	12266
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: 312755 cd/sqm



TEST NUMBER: P1308356

CATALOG NUMBER: LDSQA3D17R659027DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	5.6
10°-20°	169.6	14.7
20°-30°	266.5	23.0
30°-40°	304.9	26.4
40°-50°	245.0	21.2
50°-60°	79.7	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°	500.6	43.3
0°-40°	805.4	69.6
0°-60°	1130.2	97.7
0°-90°	1157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1157.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	772	772	772	772	772	
5°	1069	1009	753	414	291	101
15°	1377	1069	544	36	35	384
25°	1507	1247	201	29	31	702
35°	1463	1129	26	28	32	919
45°	1282	667	16	28	34	922
55°	196	7	13	28	35	280
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	



TEST NUMBER: P1308356

CATALOG NUMBER: LDSQA3D17R659027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	971.5	967.9	972.7	964.3	963.1	954.7	949.9	947.5	936.6	922.2	909.0
5°	1068.9	1054.5	1058.1	1056.9	1050.9	1047.3	1042.4	1036.4	1022.0	1008.8	991.9
7.5°	1085.7	1073.7	1076.1	1077.3	1073.7	1072.5	1071.3	1068.9	1059.3	1047.3	1032.8
10°	1083.3	1071.3	1070.1	1066.5	1062.9	1064.1	1064.1	1064.1	1061.7	1056.9	1052.1
12.5°	1222.8	1206.0	1202.4	1177.1	1154.3	1114.6	1089.3	1065.3	1054.5	1055.7	1052.1
15°	1376.7	1375.5	1363.5	1339.4	1301.0	1264.9	1207.2	1163.9	1108.6	1068.9	1052.1
17.5°	1446.4	1445.2	1434.4	1414.0	1386.3	1352.7	1310.6	1260.1	1198.8	1137.4	1086.9
20°	1480.1	1488.5	1476.5	1459.7	1433.2	1401.9	1362.3	1316.6	1258.9	1196.3	1136.2
22.5°	1484.9	1495.7	1484.9	1472.9	1453.7	1433.2	1399.5	1352.7	1293.7	1233.6	1174.7
25°	1506.6	1510.2	1487.3	1471.7	1453.7	1439.2	1412.8	1371.9	1311.8	1246.8	1189.1
27.5°	1553.4	1537.8	1489.7	1468.1	1451.2	1438.0	1412.8	1370.7	1305.8	1239.6	1179.5
30°	1541.4	1535.4	1493.3	1472.9	1458.5	1445.2	1414.0	1359.9	1281.7	1212.0	1149.5
32.5°	1492.1	1504.1	1489.7	1482.5	1475.3	1458.5	1412.8	1339.4	1251.7	1180.7	1096.6
35°	1463.3	1477.7	1478.9	1478.9	1470.5	1445.2	1391.1	1309.4	1221.6	1129.0	1016.0
37.5°	1434.4	1446.4	1453.7	1458.5	1446.4	1410.4	1341.8	1268.5	1172.3	1050.9	852.5
40°	1401.9	1410.4	1416.4	1418.8	1400.7	1353.9	1291.3	1208.4	1100.2	897.0	761.1
42.5°	1356.3	1361.1	1359.9	1358.7	1339.4	1287.7	1228.8	1142.2	928.2	799.6	634.8
45°	1281.7	1276.9	1284.1	1284.1	1258.9	1220.4	1142.2	973.9	830.8	667.3	408.8
47.5°	993.1	996.8	1031.6	1088.1	1123.0	1112.2	1006.4	852.5	698.6	437.7	135.9
50°	924.6	921.0	922.2	928.2	931.8	901.8	826.0	720.2	461.7	143.1	9.6
52.5°	620.4	624.0	651.7	715.4	735.8	714.2	642.1	480.9	168.3	9.6	8.4
55°	196.0	209.2	224.8	258.5	317.4	354.7	347.5	170.7	10.8	7.2	8.4
57.5°	7.2	7.2	9.6	16.8	32.5	52.9	55.3	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: P1308356

CATALOG NUMBER: LDSQA3D17R659027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	901.8	887.3	858.5	771.9	681.7	591.6	535.0	520.6
5°	972.7	955.9	915.0	752.7	569.9	413.6	324.6	291.0
7.5°	1016.0	995.6	947.5	722.6	443.7	240.5	144.3	115.4
10°	1035.2	1017.2	963.1	676.9	321.0	114.2	50.5	42.1
12.5°	1043.6	1029.2	969.1	616.8	209.2	50.5	37.3	36.1
15°	1047.3	1031.6	966.7	543.5	119.0	36.1	34.9	34.9
17.5°	1050.9	1032.8	952.3	459.3	66.1	33.7	32.5	33.7
20°	1079.7	1028.0	927.0	367.9	43.3	31.3	31.3	32.5
22.5°	1108.6	1026.8	882.5	281.4	33.7	30.1	31.3	31.3
25°	1118.2	1014.8	826.0	200.8	28.9	28.9	30.1	31.3
27.5°	1100.2	979.9	750.3	135.9	25.2	28.9	30.1	31.3
30°	1058.1	921.0	658.9	86.6	24.0	27.7	30.1	31.3
32.5°	979.9	804.4	556.7	51.7	22.8	27.7	31.3	31.3
35°	823.6	674.5	441.3	26.5	22.8	27.7	31.3	32.5
37.5°	720.2	562.7	307.8	18.0	22.8	27.7	31.3	32.5
40°	597.6	406.4	128.7	16.8	22.8	27.7	31.3	33.7
42.5°	413.6	176.7	20.4	15.6	21.6	27.7	32.5	33.7
45°	149.1	22.8	9.6	15.6	21.6	27.7	32.5	33.7
47.5°	13.2	8.4	9.6	15.6	21.6	27.7	32.5	34.9
50°	8.4	8.4	8.4	14.4	21.6	27.7	32.5	34.9
52.5°	8.4	8.4	8.4	14.4	20.4	27.7	33.7	34.9
55°	8.4	8.4	8.4	13.2	20.4	27.7	32.5	34.9
57.5°	8.4	8.4	9.6	13.2	20.4	26.5	32.5	33.7
60°	8.4	8.4	8.4	13.2	19.2	25.2	31.3	32.5
62.5°	7.2	8.4	8.4	12.0	18.0	24.0	30.1	31.3
65°	7.2	7.2	8.4	10.8	16.8	22.8	27.7	30.1
67.5°	6.0	7.2	7.2	9.6	14.4	20.4	25.2	27.7
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)