

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: P1317690

Luminaire Tested: LDSQA3D17R609827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

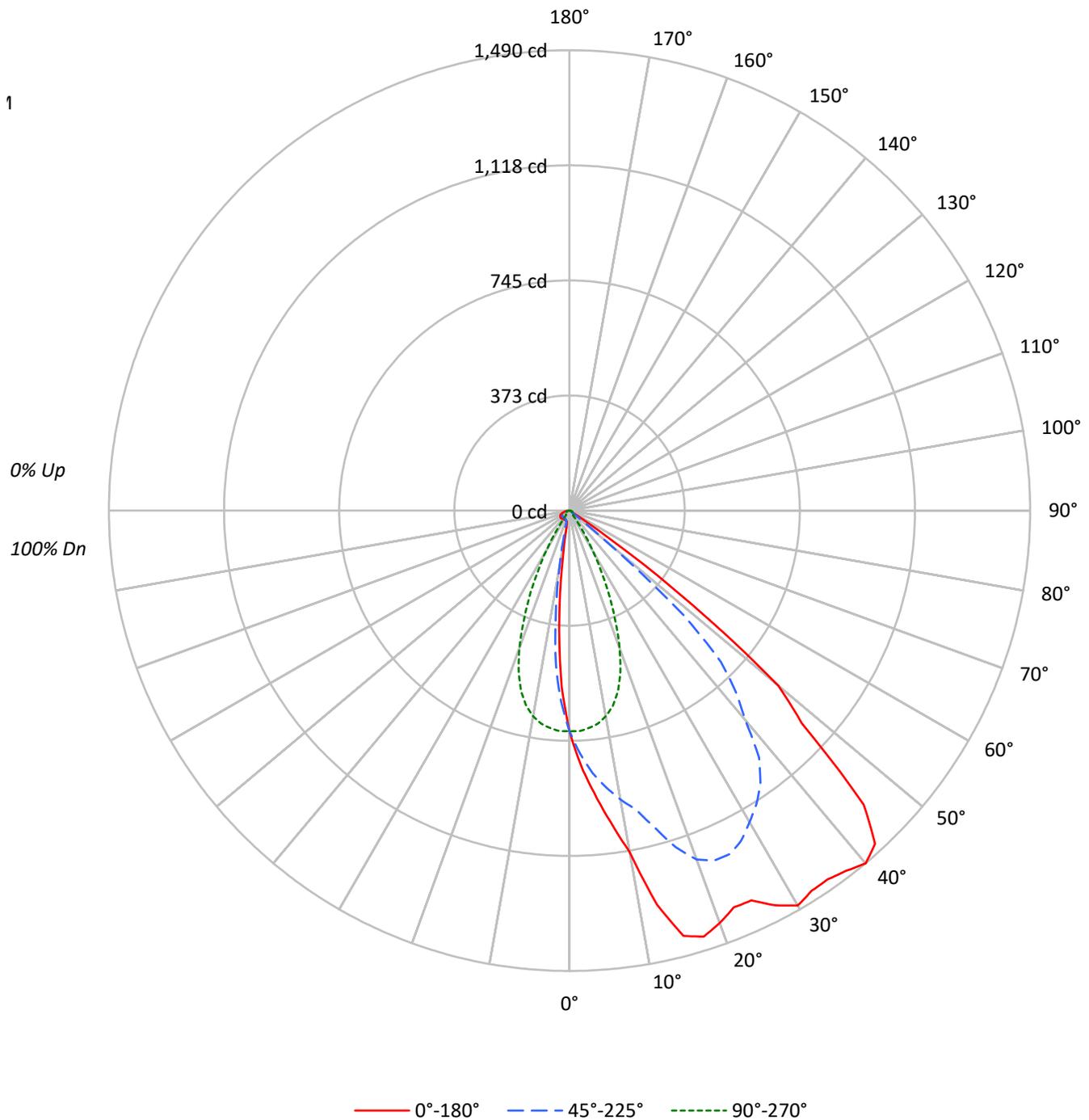
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1159.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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 (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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	122864	122864	122864	122864	122864
5°	158722	147363	122209	87028	66403
10°	196145	166101	118253	32912	9758
15°	254021	189049	107888	7221	6437
20°	260306	220206	86836	6011	6213
25°	264498	233087	58224	5815	6233
30°	293545	231539	30029	5867	6523
35°	306201	226371	8284	6202	7127
40°	335073	198539	3934	6632	7869
45°	327807	168714	3994	7185	8793
50°	236315	41636	4394	7904	9672
55°	45339	2642	4594	8557	10839
60°	2273	2652	4512	9059	11677
65°	2241	2690	4442	9373	12470
70°	2216	2769	4431	9366	12689
75°	2196	2928	4392	9449	13109
80°	1091	3273	4364	9720	12992
85°	2174	2174	4347	8695	13042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 327807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	5.4
10°-20°	171.3	14.8
20°-30°	263.6	22.7
30°-40°	309.3	26.7
40°-50°	248.0	21.4
50°-60°	77.0	6.6
60°-70°	14.6	1.3
70°-80°	9.7	0.8
80°-90°	3.4	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°	497.0	42.9
0°-40°	806.3	69.6
0°-60°	1131.4	97.6
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	713	713	713	713	713	
5°	918	852	707	503	384	94
15°	1425	1060	605	40	36	390
25°	1392	1227	306	31	33	657
35°	1456	1077	39	30	34	922
45°	1346	693	16	30	36	963
55°	151	9	15	28	36	239
65°	6	7	11	23	31	5
75°	3	4	7	14	20	3
85°	1	1	2	4	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°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	822.9	814.1	814.1	810.8	807.5	808.6	799.9	803.2	794.4	787.9	782.4
5°	918.1	907.1	906.0	900.6	895.1	890.7	879.8	873.2	860.1	852.4	836.0
7.5°	1016.5	1007.8	1002.3	995.8	985.9	975.0	956.4	944.3	923.5	902.7	882.0
10°	1121.6	1113.9	1101.9	1094.2	1066.9	1049.4	1024.2	1007.8	977.2	949.8	918.1
12.5°	1305.4	1301.1	1278.1	1262.8	1223.4	1188.3	1133.6	1089.9	1035.2	990.3	947.6
15°	1424.7	1419.2	1407.2	1393.0	1367.8	1328.4	1279.2	1217.9	1141.3	1060.3	988.1
17.5°	1445.5	1446.6	1438.9	1435.6	1419.2	1394.1	1354.7	1308.7	1232.1	1142.4	1043.9
20°	1420.3	1429.1	1426.9	1433.5	1436.7	1426.9	1400.6	1355.8	1289.0	1201.5	1091.0
22.5°	1389.7	1397.3	1395.2	1407.2	1425.8	1435.6	1426.9	1390.8	1322.9	1225.5	1117.2
25°	1391.9	1397.3	1380.9	1388.6	1412.7	1436.7	1437.8	1406.1	1332.8	1226.6	1115.0
27.5°	1440.0	1423.6	1386.4	1383.1	1412.7	1443.3	1445.5	1406.1	1318.6	1203.7	1093.1
30°	1476.1	1464.1	1422.5	1417.0	1445.5	1466.3	1455.3	1394.1	1284.6	1164.3	1061.4
32.5°	1458.6	1460.8	1443.3	1460.8	1498.0	1506.8	1460.8	1365.6	1237.6	1126.0	1024.2
35°	1456.4	1465.2	1475.0	1502.4	1527.6	1506.8	1433.5	1312.0	1187.3	1076.7	966.2
37.5°	1469.6	1483.8	1498.0	1522.1	1522.1	1468.5	1361.2	1244.2	1127.1	1006.7	845.8
40°	1490.4	1499.1	1503.5	1501.3	1471.8	1393.0	1279.2	1162.1	1050.5	883.1	766.0
42.5°	1463.0	1461.9	1457.5	1438.9	1384.2	1281.4	1175.2	1080.0	903.8	796.6	663.1
45°	1345.9	1345.9	1333.9	1304.3	1254.0	1168.6	1074.5	935.6	824.0	692.7	492.4
47.5°	1018.7	1011.1	1024.2	1041.7	1041.7	1034.1	948.7	828.3	714.5	500.1	157.6
50°	882.0	869.9	853.5	856.8	854.6	863.4	808.6	717.8	528.5	155.4	10.9
52.5°	499.0	520.9	574.5	650.0	683.9	695.9	662.0	546.0	178.4	9.8	8.8
55°	151.0	155.4	176.2	216.7	294.4	376.4	381.9	177.3	12.0	8.8	8.8
57.5°	6.6	6.6	8.8	13.1	30.6	46.0	49.2	10.9	7.7	8.8	8.8
60°	6.6	6.6	6.6	6.6	6.6	6.6	7.7	7.7	7.7	7.7	8.8
62.5°	5.5	5.5	6.6	6.6	6.6	6.6	6.6	6.6	7.7	7.7	7.7
65°	5.5	5.5	5.5	5.5	5.5	5.5	6.6	6.6	6.6	6.6	7.7
67.5°	4.4	4.4	4.4	5.5	5.5	5.5	5.5	5.5	6.6	6.6	6.6
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.5	5.5	5.5	5.5
72.5°	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4	4.4	4.4	5.5
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4	4.4
77.5°	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3
80°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	774.7	766.0	756.1	714.5	674.1	619.3	582.1	571.2
5°	821.8	807.5	785.7	706.9	611.7	503.4	415.8	384.1
7.5°	861.2	839.3	808.6	695.9	537.3	341.4	219.9	186.0
10°	889.6	862.3	822.9	676.2	438.8	188.2	74.4	55.8
12.5°	913.7	877.6	830.5	646.7	319.5	76.6	38.3	38.3
15°	930.1	886.3	833.8	605.1	206.8	40.5	36.1	36.1
17.5°	953.1	896.2	833.8	547.1	112.7	35.0	35.0	35.0
20°	990.3	906.0	821.8	473.8	62.4	32.8	33.9	33.9
22.5°	1010.0	920.3	806.5	388.5	39.4	31.7	32.8	32.8
25°	1014.4	918.1	773.6	306.4	31.7	30.6	31.7	32.8
27.5°	999.0	902.7	729.9	223.2	28.5	29.5	31.7	32.8
30°	971.7	865.5	659.8	151.0	26.3	29.5	31.7	32.8
32.5°	920.3	775.8	577.8	90.8	25.2	29.5	31.7	33.9
35°	805.4	681.7	483.7	39.4	24.1	29.5	32.8	33.9
37.5°	722.2	587.6	374.2	19.7	24.1	29.5	32.8	35.0
40°	630.3	472.7	172.9	17.5	24.1	29.5	32.8	35.0
42.5°	480.4	218.8	20.8	17.5	23.0	29.5	33.9	35.0
45°	175.1	23.0	10.9	16.4	23.0	29.5	33.9	36.1
47.5°	13.1	8.8	9.8	16.4	23.0	29.5	33.9	36.1
50°	8.8	8.8	9.8	16.4	23.0	29.5	33.9	36.1
52.5°	8.8	9.8	9.8	15.3	21.9	29.5	33.9	36.1
55°	8.8	9.8	9.8	15.3	21.9	28.5	33.9	36.1
57.5°	8.8	8.8	9.8	14.2	20.8	27.4	33.9	35.0
60°	8.8	8.8	9.8	13.1	19.7	26.3	31.7	33.9
62.5°	8.8	8.8	8.8	12.0	18.6	25.2	30.6	32.8
65°	7.7	7.7	8.8	10.9	16.4	23.0	28.5	30.6
67.5°	6.6	7.7	7.7	9.8	15.3	20.8	26.3	28.5
70°	6.6	6.6	6.6	8.8	13.1	18.6	24.1	25.2
72.5°	5.5	5.5	6.6	7.7	12.0	16.4	21.9	23.0
75°	4.4	5.5	5.5	6.6	9.8	14.2	18.6	19.7
77.5°	4.4	4.4	4.4	5.5	8.8	12.0	15.3	16.4
80°	3.3	3.3	3.3	4.4	6.6	9.8	12.0	13.1
82.5°	2.2	3.3	3.3	3.3	5.5	6.6	8.8	9.8
85°	2.2	2.2	2.2	2.2	3.3	4.4	5.5	6.6
87.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)