

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: P1311546

Luminaire Tested: LDSQA3D13R609040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311546
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: LDSQA3D13R609040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

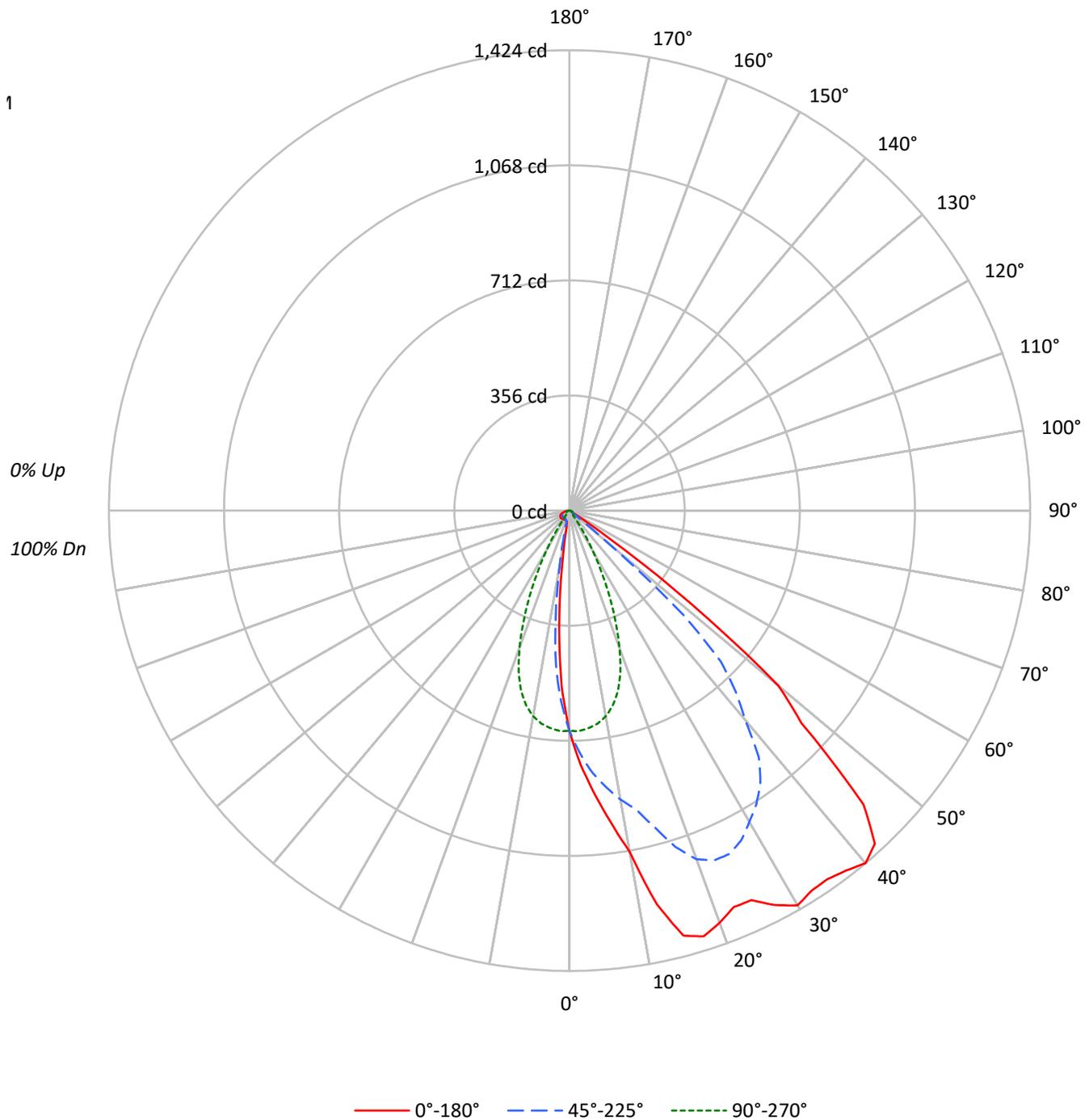
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.0 lumens
Efficiency: N/A
Efficacy: 75.8 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): 14.6
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	42	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°	117353	117353	117353	117353	117353
5°	151599	140759	116729	83121	63413
10°	187348	158651	112955	31443	9321
15°	242628	180562	103056	6900	6151
20°	248632	210327	82932	5755	5938
25°	252621	222635	55602	5568	5967
30°	280381	221139	28676	5608	6244
35°	292472	216216	7905	5929	6812
40°	320032	189614	3755	6340	7509
45°	313096	161139	3824	6868	8403
50°	225705	39761	4207	7556	9244
55°	43298	2522	4384	8167	10359
60°	2170	2514	4306	8646	11160
65°	2119	2567	4279	8925	11940
70°	2115	2618	4230	8963	12085
75°	2063	2795	4192	9050	12510
80°	992	3075	4166	9323	12397
85°	1976	1976	4150	8299	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 313096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	5.4
10°-20°	163.6	14.8
20°-30°	251.8	22.7
30°-40°	295.5	26.7
40°-50°	236.9	21.4
50°-60°	73.6	6.6
60°-70°	13.9	1.3
70°-80°	9.2	0.8
80°-90°	3.2	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°	474.7	42.9
0°-40°	770.1	69.6
0°-60°	1080.6	97.6
0°-90°	1107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	681	681	681	681	681	
5°	877	814	675	481	367	89
15°	1361	1013	578	39	34	373
25°	1329	1172	293	29	31	628
35°	1391	1028	38	28	32	880
45°	1286	662	16	28	34	920
55°	144	8	15	27	34	228
65°	5	6	10	22	29	5
75°	3	4	6	14	19	3
85°	1	1	2	4	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°	681.4	681.4	681.4	681.4	681.4	681.4	681.4	681.4	681.4	681.4	681.4
2.5°	785.9	777.6	777.6	774.5	771.3	772.4	764.0	767.1	758.8	752.5	747.3
5°	876.9	866.4	865.4	860.2	854.9	850.7	840.3	834.0	821.5	814.2	798.5
7.5°	970.9	962.6	957.4	951.1	941.7	931.2	913.5	902.0	882.1	862.2	842.4
10°	1071.3	1064.0	1052.5	1045.1	1019.0	1002.3	978.3	962.6	933.3	907.2	876.9
12.5°	1246.9	1242.7	1220.7	1206.1	1168.5	1135.0	1082.8	1041.0	988.7	945.9	905.1
15°	1360.8	1355.6	1344.1	1330.5	1306.4	1268.8	1221.8	1163.2	1090.1	1012.7	943.8
17.5°	1380.6	1381.7	1374.4	1371.2	1355.6	1331.5	1293.9	1250.0	1176.8	1091.1	997.1
20°	1356.6	1365.0	1362.9	1369.1	1372.3	1362.9	1337.8	1294.9	1231.2	1147.6	1042.0
22.5°	1327.3	1334.7	1332.6	1344.1	1361.8	1371.2	1362.9	1328.4	1263.6	1170.6	1067.1
25°	1329.4	1334.7	1319.0	1326.3	1349.3	1372.3	1373.3	1343.0	1273.0	1171.6	1065.0
27.5°	1375.4	1359.7	1324.2	1321.1	1349.3	1378.5	1380.6	1343.0	1259.4	1149.7	1044.1
30°	1409.9	1398.4	1358.7	1353.5	1380.6	1400.5	1390.0	1331.5	1227.0	1112.0	1013.8
32.5°	1393.2	1395.3	1378.5	1395.3	1430.8	1439.2	1395.3	1304.3	1182.1	1075.5	978.3
35°	1391.1	1399.5	1408.9	1435.0	1459.0	1439.2	1369.1	1253.1	1134.0	1028.4	922.9
37.5°	1403.6	1417.2	1430.8	1453.8	1453.8	1402.6	1300.2	1188.3	1076.5	961.5	807.9
40°	1423.5	1431.8	1436.0	1433.9	1405.7	1330.5	1221.8	1109.9	1003.3	843.4	731.6
42.5°	1397.4	1396.3	1392.1	1374.4	1322.1	1223.9	1122.5	1031.6	863.3	760.9	633.4
45°	1285.5	1285.5	1274.0	1245.8	1197.7	1116.2	1026.3	893.6	787.0	661.6	470.3
47.5°	973.0	965.7	978.3	995.0	995.0	987.7	906.1	791.2	682.5	477.6	150.5
50°	842.4	830.9	815.2	818.3	816.3	824.6	772.4	685.6	504.8	148.4	10.5
52.5°	476.6	497.5	548.7	620.8	653.2	664.7	632.3	521.5	170.4	9.4	8.4
55°	144.2	148.4	168.3	206.9	281.1	359.5	364.8	169.3	11.5	8.4	8.4
57.5°	6.3	6.3	8.4	12.5	29.3	43.9	47.0	10.5	7.3	8.4	8.4
60°	6.3	6.3	6.3	6.3	6.3	6.3	7.3	7.3	7.3	7.3	8.4
62.5°	5.2	5.2	6.3	6.3	6.3	6.3	6.3	6.3	7.3	7.3	7.3
65°	5.2	5.2	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3	7.3
67.5°	4.2	4.2	4.2	5.2	5.2	5.2	5.2	5.2	6.3	6.3	6.3
70°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2	5.2	5.2
72.5°	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2	4.2	4.2	5.2
75°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	681.4	681.4	681.4	681.4	681.4	681.4	681.4	681.4
2.5°	740.0	731.6	722.2	682.5	643.8	591.6	556.0	545.6
5°	784.9	771.3	750.4	675.2	584.2	480.8	397.2	366.8
7.5°	822.5	801.6	772.4	664.7	513.2	326.1	210.1	177.7
10°	849.7	823.6	785.9	645.9	419.1	179.8	71.1	53.3
12.5°	872.7	838.2	793.3	617.7	305.2	73.2	36.6	36.6
15°	888.4	846.6	796.4	578.0	197.5	38.7	34.5	34.5
17.5°	910.3	856.0	796.4	522.6	107.7	33.4	33.4	33.4
20°	945.9	865.4	784.9	452.5	59.6	31.4	32.4	32.4
22.5°	964.7	879.0	770.3	371.0	37.6	30.3	31.4	31.4
25°	968.9	876.9	738.9	292.6	30.3	29.3	30.3	31.4
27.5°	954.2	862.2	697.1	213.2	27.2	28.2	30.3	31.4
30°	928.1	826.7	630.2	144.2	25.1	28.2	30.3	31.4
32.5°	879.0	741.0	551.8	86.7	24.0	28.2	30.3	32.4
35°	769.2	651.1	462.0	37.6	23.0	28.2	31.4	32.4
37.5°	689.8	561.2	357.4	18.8	23.0	28.2	31.4	33.4
40°	602.0	451.5	165.1	16.7	23.0	28.2	31.4	33.4
42.5°	458.8	209.0	19.9	16.7	21.9	28.2	32.4	33.4
45°	167.2	21.9	10.5	15.7	21.9	28.2	32.4	34.5
47.5°	12.5	8.4	9.4	15.7	21.9	28.2	32.4	34.5
50°	8.4	8.4	9.4	15.7	21.9	28.2	32.4	34.5
52.5°	8.4	9.4	9.4	14.6	20.9	28.2	32.4	34.5
55°	8.4	9.4	9.4	14.6	20.9	27.2	32.4	34.5
57.5°	8.4	8.4	9.4	13.6	19.9	26.1	32.4	33.4
60°	8.4	8.4	9.4	12.5	18.8	25.1	30.3	32.4
62.5°	8.4	8.4	8.4	11.5	17.8	24.0	29.3	31.4
65°	7.3	7.3	8.4	10.5	15.7	21.9	27.2	29.3
67.5°	6.3	7.3	7.3	9.4	14.6	19.9	25.1	27.2
70°	6.3	6.3	6.3	8.4	12.5	17.8	23.0	24.0
72.5°	5.2	5.2	6.3	7.3	11.5	15.7	20.9	21.9
75°	4.2	5.2	5.2	6.3	9.4	13.6	17.8	18.8
77.5°	4.2	4.2	4.2	5.2	8.4	11.5	14.6	15.7
80°	3.1	3.1	3.1	4.2	6.3	9.4	11.5	12.5
82.5°	2.1	3.1	3.1	3.1	5.2	6.3	8.4	9.4
85°	2.1	2.1	2.1	2.1	3.1	4.2	5.2	6.3
87.5°	1.0	1.0	2.1	2.1	2.1	2.1	2.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)