

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: P1312623

Luminaire Tested: LDSQA3D13R609050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312623
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: LDSQA3D13R609050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

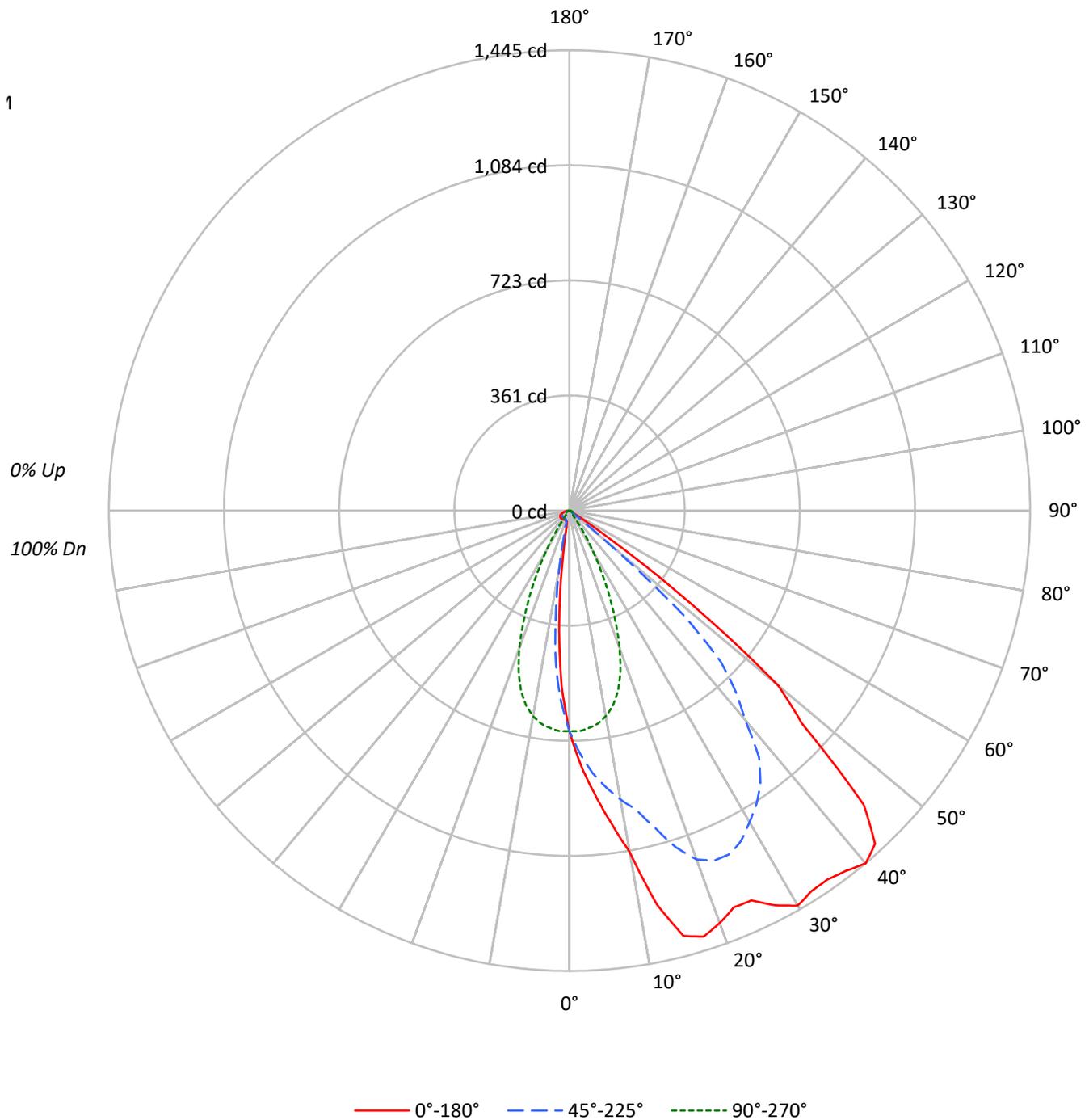
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1124.0 lumens
Efficiency: N/A
Efficacy: 77.0 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	119161	119161	119161	119161	119161
5°	153916	142920	118510	84400	64398
10°	190216	161081	114686	31916	9461
15°	246354	183344	104625	7007	6240
20°	252444	213553	84215	5828	6030
25°	256498	226056	56457	5644	6043
30°	284696	224539	29114	5707	6324
35°	296971	219538	8031	6034	6917
40°	324933	192536	3822	6452	7644
45°	317918	163599	3873	6990	8525
50°	229161	40377	4260	7690	9378
55°	43958	2552	4474	8287	10509
60°	2204	2549	4374	8783	11332
65°	2160	2608	4320	9088	12103
70°	2115	2669	4280	9064	12287
75°	2129	2795	4259	9183	12709
80°	1091	3174	4166	9521	12596
85°	2174	2174	4150	8299	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 317918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	5.4
10°-20°	166.1	14.8
20°-30°	255.7	22.7
30°-40°	300.0	26.7
40°-50°	240.6	21.4
50°-60°	74.7	6.6
60°-70°	14.1	1.3
70°-80°	9.4	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°	482.0	42.9
0°-40°	782.0	69.6
0°-60°	1097.2	97.6
0°-90°	1124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	692	692	692	692	692	
5°	890	827	686	488	372	91
15°	1382	1028	587	39	35	378
25°	1350	1190	297	30	32	637
35°	1412	1044	38	29	33	894
45°	1305	672	16	29	35	934
55°	146	8	15	28	35	232
65°	5	6	11	22	30	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°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	798.0	789.5	789.5	786.3	783.2	784.2	775.7	778.9	770.4	764.1	758.8
5°	890.3	879.7	878.7	873.4	868.1	863.8	853.2	846.8	834.1	826.7	810.8
7.5°	985.9	977.4	972.1	965.7	956.1	945.5	927.5	915.8	895.6	875.5	855.3
10°	1087.7	1080.3	1068.6	1061.2	1034.7	1017.7	993.3	977.4	947.6	921.1	890.3
12.5°	1266.0	1261.8	1239.5	1224.6	1186.4	1152.5	1099.4	1057.0	1003.9	960.4	919.0
15°	1381.7	1376.4	1364.7	1350.9	1326.5	1288.3	1240.5	1181.1	1106.8	1028.3	958.3
17.5°	1401.8	1402.9	1395.5	1392.3	1376.4	1352.0	1313.8	1269.2	1194.9	1107.9	1012.4
20°	1377.4	1385.9	1383.8	1390.2	1393.4	1383.8	1358.3	1314.8	1250.1	1165.2	1058.0
22.5°	1347.7	1355.1	1353.0	1364.7	1382.7	1392.3	1383.8	1348.8	1283.0	1188.5	1083.5
25°	1349.8	1355.1	1339.2	1346.7	1370.0	1393.4	1394.4	1363.6	1292.5	1189.6	1081.4
27.5°	1396.5	1380.6	1344.5	1341.4	1370.0	1399.7	1401.8	1363.6	1278.7	1167.3	1060.1
30°	1431.6	1419.9	1379.6	1374.2	1401.8	1422.0	1411.4	1352.0	1245.8	1129.1	1029.4
32.5°	1414.6	1416.7	1399.7	1416.7	1452.8	1461.3	1416.7	1324.4	1200.2	1092.0	993.3
35°	1412.5	1420.9	1430.5	1457.0	1481.4	1461.3	1390.2	1272.4	1151.4	1044.2	937.0
37.5°	1425.2	1439.0	1452.8	1476.1	1476.1	1424.1	1320.1	1206.6	1093.0	976.3	820.3
40°	1445.3	1453.8	1458.1	1456.0	1427.3	1350.9	1240.5	1127.0	1018.7	856.4	742.8
42.5°	1418.8	1417.8	1413.5	1395.5	1342.4	1242.7	1139.7	1047.4	876.5	772.6	643.1
45°	1305.3	1305.3	1293.6	1264.9	1216.1	1133.4	1042.1	907.3	799.1	671.7	477.5
47.5°	988.0	980.5	993.3	1010.3	1010.3	1002.8	920.1	803.3	693.0	485.0	152.8
50°	855.3	843.7	827.7	830.9	828.8	837.3	784.2	696.1	512.6	150.7	10.6
52.5°	483.9	505.1	557.1	630.4	663.2	674.9	642.0	529.5	173.0	9.6	8.5
55°	146.4	150.7	170.9	210.1	285.5	365.1	370.4	171.9	11.7	8.5	8.5
57.5°	6.4	6.4	8.5	12.7	29.7	44.6	47.8	10.6	7.4	8.5	8.5
60°	6.4	6.4	6.4	6.4	6.4	6.4	7.4	7.4	7.4	7.4	8.5
62.5°	5.3	5.3	6.4	6.4	6.4	6.4	6.4	6.4	7.4	7.4	7.4
65°	5.3	5.3	5.3	5.3	5.3	5.3	6.4	6.4	6.4	6.4	7.4
67.5°	4.2	4.2	4.2	5.3	5.3	5.3	5.3	5.3	6.4	6.4	6.4
70°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.3	5.3	5.3	5.3
72.5°	3.2	3.2	3.2	3.2	3.2	4.2	4.2	4.2	4.2	4.2	5.3
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.2	4.2	4.2	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2
80°	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
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°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	751.3	742.8	733.3	693.0	653.7	600.6	564.6	553.9
5°	797.0	783.2	761.9	685.5	593.2	488.2	403.3	372.5
7.5°	835.2	813.9	784.2	674.9	521.0	331.1	213.3	180.4
10°	862.8	836.2	798.0	655.8	425.5	182.5	72.2	54.1
12.5°	886.1	851.1	805.4	627.2	309.9	74.3	37.1	37.1
15°	902.0	859.6	808.6	586.8	200.6	39.3	35.0	35.0
17.5°	924.3	869.1	808.6	530.6	109.3	34.0	34.0	34.0
20°	960.4	878.7	797.0	459.5	60.5	31.8	32.9	32.9
22.5°	979.5	892.5	782.1	376.7	38.2	30.8	31.8	31.8
25°	983.7	890.3	750.3	297.1	30.8	29.7	30.8	31.8
27.5°	968.9	875.5	707.8	216.5	27.6	28.7	30.8	31.8
30°	942.3	839.4	639.9	146.4	25.5	28.7	30.8	31.8
32.5°	892.5	752.4	560.3	88.1	24.4	28.7	30.8	32.9
35°	781.0	661.1	469.0	38.2	23.3	28.7	31.8	32.9
37.5°	700.4	569.9	362.9	19.1	23.3	28.7	31.8	34.0
40°	611.2	458.4	167.7	17.0	23.3	28.7	31.8	34.0
42.5°	465.9	212.2	20.2	17.0	22.3	28.7	32.9	34.0
45°	169.8	22.3	10.6	15.9	22.3	28.7	32.9	35.0
47.5°	12.7	8.5	9.6	15.9	22.3	28.7	32.9	35.0
50°	8.5	8.5	9.6	15.9	22.3	28.7	32.9	35.0
52.5°	8.5	9.6	9.6	14.9	21.2	28.7	32.9	35.0
55°	8.5	9.6	9.6	14.9	21.2	27.6	32.9	35.0
57.5°	8.5	8.5	9.6	13.8	20.2	26.5	32.9	34.0
60°	8.5	8.5	9.6	12.7	19.1	25.5	30.8	32.9
62.5°	8.5	8.5	8.5	11.7	18.0	24.4	29.7	31.8
65°	7.4	7.4	8.5	10.6	15.9	22.3	27.6	29.7
67.5°	6.4	7.4	7.4	9.6	14.9	20.2	25.5	27.6
70°	6.4	6.4	6.4	8.5	12.7	18.0	23.3	24.4
72.5°	5.3	5.3	6.4	7.4	11.7	15.9	21.2	22.3
75°	4.2	5.3	5.3	6.4	9.6	13.8	18.0	19.1
77.5°	4.2	4.2	4.2	5.3	8.5	11.7	14.9	15.9
80°	3.2	3.2	3.2	4.2	6.4	9.6	11.7	12.7
82.5°	2.1	3.2	3.2	3.2	5.3	6.4	8.5	9.6
85°	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.4
87.5°	1.1	1.1	2.1	2.1	2.1	2.1	2.1	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)