

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: P1318577

Luminaire Tested: LDSQA3D17R709830DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709830DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

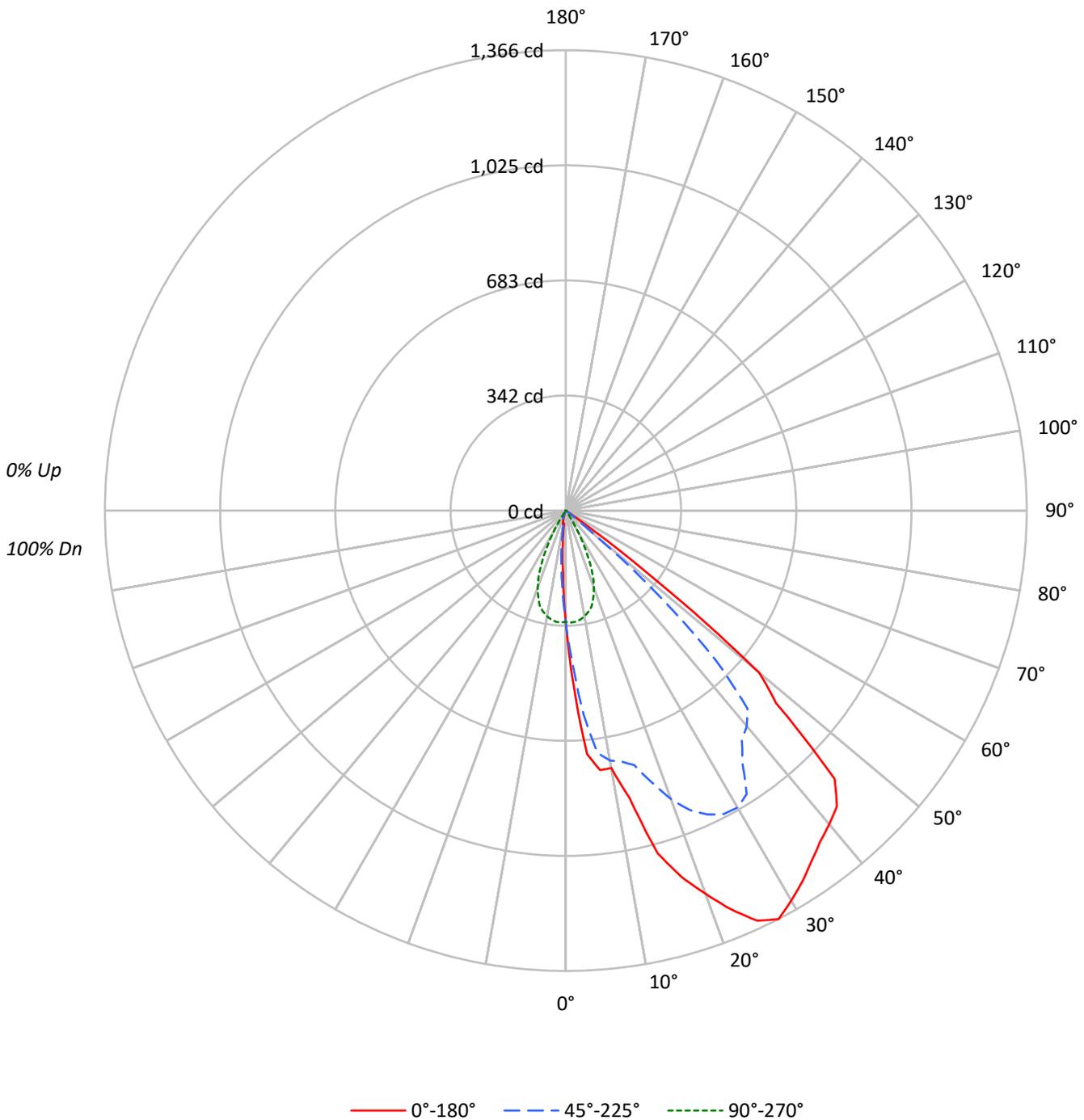
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 889.1 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
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 (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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82	82	82	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73	73	73	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53	53	53	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48	48	48	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39	39	39	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56816	56816	56816	56816	56816
5°	125356	105180	57258	26019	17132
10°	135584	131632	55717	7240	7467
15°	187659	139358	52562	7382	5367
20°	221653	166927	44609	4362	1613
25°	255073	189039	31468	722	0
30°	265704	202326	14477	0	0
35°	266927	191743	799	0	0
40°	273022	187568	0	0	0
45°	274394	153686	0	0	0
50°	200332	31937	0	0	0
55°	11290	0	0	0	0
60°	0	448	448	0	0
65°	0	0	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 279582 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	4.1
10°-20°	120.5	13.6
20°-30°	216.7	24.4
30°-40°	263.4	29.6
40°-50°	203.4	22.9
50°-60°	47.3	5.3
60°-70°	0.3	0.0
70°-80°	0.7	0.1
80°-90°	0.7	0.1
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°	373.3	42.0
0°-40°	636.7	71.6
0°-60°	887.4	99.8
0°-90°	889.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	330	330	330	330	330	
5°	725	608	331	150	99	68
15°	1052	782	295	41	30	294
25°	1342	995	166	4	0	611
35°	1270	912	4	0	0	797
45°	1127	631	0	0	0	796
55°	38	0	0	0	0	155
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
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°	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9
2.5°	514.4	514.4	516.9	515.6	504.3	499.3	483.0	474.2	471.7	451.6	444.1
5°	725.1	726.4	720.1	718.8	706.3	697.5	683.7	662.4	641.1	608.4	579.6
7.5°	776.5	775.3	774.0	774.0	771.5	766.5	760.2	754.0	745.2	725.1	702.5
10°	775.3	775.3	774.0	774.0	772.8	774.0	772.8	769.0	765.3	752.7	740.2
12.5°	873.1	865.6	855.6	840.5	815.4	796.6	775.3	769.0	766.5	762.7	755.2
15°	1052.5	1046.3	1024.9	998.6	973.5	930.9	897.0	850.6	814.2	781.6	765.3
17.5°	1139.1	1142.9	1119.0	1102.7	1078.9	1045.0	1004.9	957.2	905.8	844.3	795.4
20°	1209.4	1213.1	1193.0	1176.7	1149.1	1114.0	1078.9	1027.5	978.5	910.8	846.8
22.5°	1280.9	1283.4	1264.6	1240.7	1209.4	1173.0	1127.8	1075.1	1022.4	962.2	894.5
25°	1342.3	1339.8	1308.5	1274.6	1244.5	1205.6	1161.7	1110.3	1060.1	994.8	930.9
27.5°	1366.2	1364.9	1329.8	1297.2	1262.0	1209.4	1170.5	1125.3	1072.6	1014.9	949.7
30°	1336.1	1356.1	1333.6	1309.7	1267.1	1214.4	1176.7	1122.8	1073.9	1017.4	943.4
32.5°	1304.7	1329.8	1322.3	1311.0	1260.8	1219.4	1170.5	1120.3	1062.6	997.3	884.4
35°	1269.6	1295.9	1297.2	1284.6	1239.5	1198.1	1152.9	1100.2	1035.0	912.0	829.2
37.5°	1238.2	1263.3	1270.8	1244.5	1209.4	1154.2	1112.8	1057.6	939.6	856.8	814.2
40°	1214.4	1233.2	1244.5	1203.1	1168.0	1114.0	1066.3	969.7	863.1	834.3	774.0
42.5°	1189.3	1206.8	1211.9	1166.7	1112.8	1061.3	992.3	870.6	839.3	796.6	634.8
45°	1126.6	1147.9	1135.3	1091.4	1051.3	997.3	894.5	841.8	807.9	631.0	390.2
47.5°	845.5	869.4	903.3	915.8	929.6	890.7	834.3	815.4	663.6	382.6	121.7
50°	747.7	743.9	743.9	750.2	761.5	774.0	790.3	687.5	398.9	119.2	0.0
52.5°	304.8	319.9	393.9	460.4	536.9	613.5	637.3	421.5	155.6	2.5	0.0
55°	37.6	37.6	52.7	90.3	149.3	240.9	271.0	135.5	11.3	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.0	27.6	18.8	5.0	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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°	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9
2.5°	431.6	416.5	395.2	332.4	278.5	230.8	203.2	189.4
5°	552.0	515.6	466.7	331.2	225.8	150.5	112.9	99.1
7.5°	667.4	626.0	543.2	326.2	173.1	87.8	48.9	38.9
10°	717.6	687.5	613.5	318.6	125.5	41.4	41.4	42.7
12.5°	737.7	715.1	654.9	307.4	82.8	40.1	42.7	40.1
15°	751.5	730.1	674.9	294.8	47.7	41.4	33.9	30.1
17.5°	759.0	733.9	681.2	271.0	31.4	35.1	21.3	17.6
20°	782.8	742.7	686.2	243.4	30.1	23.8	11.3	8.8
22.5°	823.0	760.2	687.5	209.5	23.8	13.8	3.8	0.0
25°	859.3	784.1	691.2	165.6	7.5	3.8	0.0	0.0
27.5°	876.9	791.6	690.0	116.7	0.0	0.0	0.0	0.0
30°	855.6	772.8	678.7	72.8	0.0	0.0	0.0	0.0
32.5°	805.4	759.0	643.6	31.4	0.0	0.0	0.0	0.0
35°	789.1	728.9	563.3	3.8	0.0	0.0	0.0	0.0
37.5°	752.7	642.3	414.0	0.0	0.0	0.0	0.0	0.0
40°	647.3	464.2	197.0	0.0	0.0	0.0	0.0	0.0
42.5°	427.8	198.2	11.3	0.0	0.0	0.0	0.0	0.0
45°	150.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)