

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: P1314870

Luminaire Tested: LDSQA3D17R709730DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314870
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: LDSQA3D17R709730DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

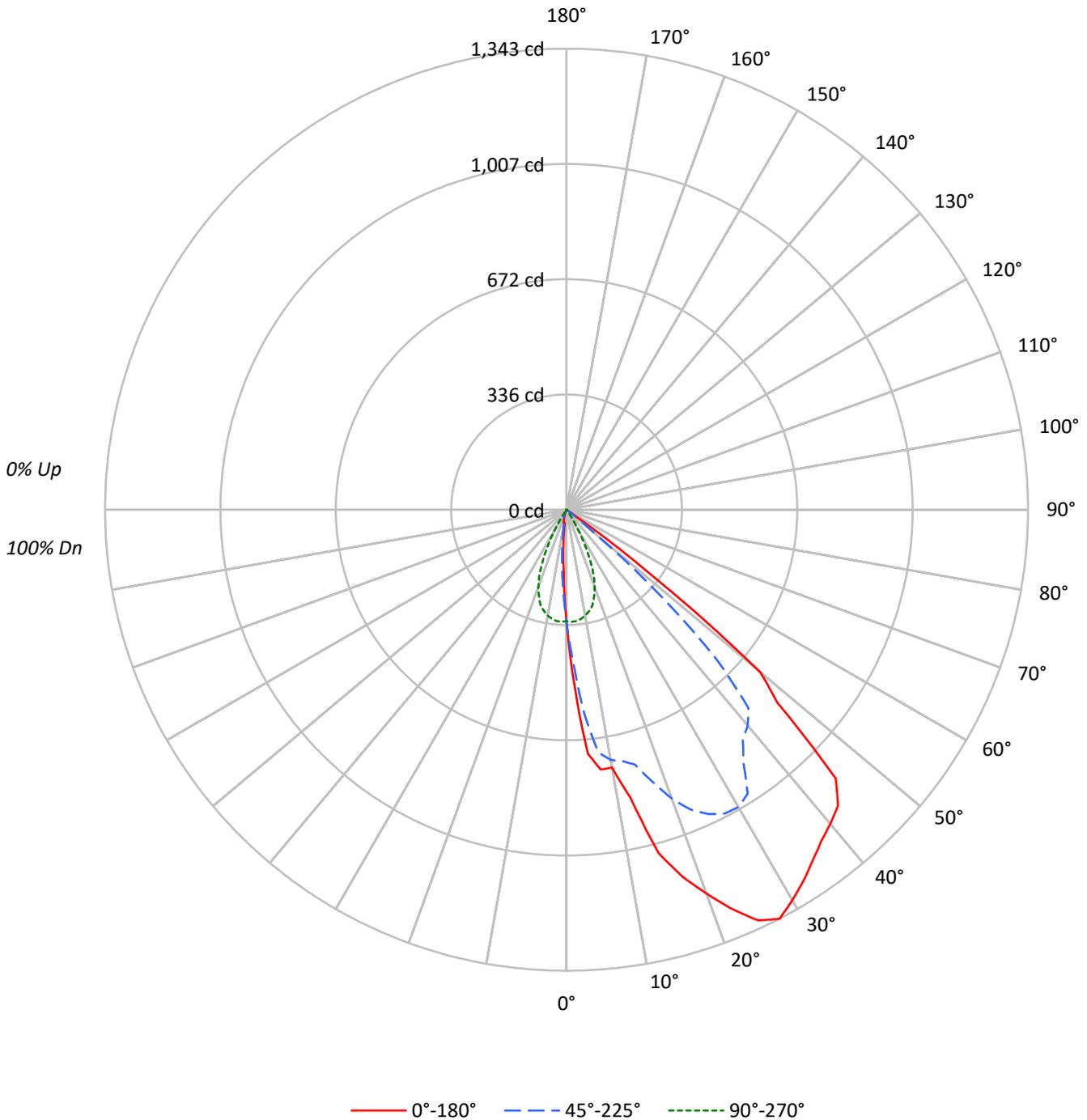
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 41.2 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): 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: P1314870
CATALOG NUMBER: LDSQA3D17R709730DE010 3LSQCA30R 1MB

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	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55869	55869	55869	55869	55869
5°	123247	103417	56290	25586	16839
10°	133293	129411	54790	7118	7327
15°	184503	137004	51671	7257	5278
20°	217915	164105	43858	4289	1576
25°	250778	185846	30936	703	0
30°	261210	198905	14219	0	0
35°	262428	188506	778	0	0
40°	268413	184398	0	0	0
45°	269767	151104	0	0	0
50°	196956	31401	0	0	0
55°	11110	0	0	0	0
60°	0	413	413	0	0
65°	0	0	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 274857 cd/sqm



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CATALOG NUMBER: LDSQA3D17R709730DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	4.1
10°-20°	118.5	13.6
20°-30°	213.0	24.4
30°-40°	258.9	29.6
40°-50°	199.9	22.9
50°-60°	46.5	5.3
60°-70°	0.3	0.0
70°-80°	0.6	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°	367.0	42.0
0°-40°	625.9	71.6
0°-60°	872.4	99.8
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	324	324	324	324	324	
5°	713	598	326	148	97	67
15°	1035	768	290	41	30	289
25°	1320	978	163	4	0	601
35°	1248	897	4	0	0	784
45°	1108	620	0	0	0	783
55°	37	0	0	0	0	152
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°	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4
2.5°	505.7	505.7	508.1	506.9	495.8	490.9	474.8	466.2	463.7	444.0	436.6
5°	712.9	714.1	707.9	706.7	694.4	685.7	672.2	651.2	630.2	598.2	569.8
7.5°	763.4	762.2	761.0	761.0	758.5	753.6	747.4	741.2	732.6	712.9	690.7
10°	762.2	762.2	761.0	761.0	759.7	761.0	759.7	756.0	752.3	740.0	727.7
12.5°	858.4	851.0	841.1	826.3	801.7	783.2	762.2	756.0	753.6	749.9	742.5
15°	1034.8	1028.6	1007.6	981.7	957.1	915.1	881.8	836.2	800.4	768.4	752.3
17.5°	1119.9	1123.6	1100.2	1084.1	1060.7	1027.4	987.9	941.0	890.5	830.0	781.9
20°	1189.0	1192.7	1172.9	1156.9	1129.8	1095.2	1060.7	1010.1	962.0	895.4	832.5
22.5°	1259.3	1261.7	1243.2	1219.8	1189.0	1153.2	1108.8	1057.0	1005.2	946.0	879.4
25°	1319.7	1317.2	1286.4	1253.1	1223.5	1185.3	1142.1	1091.5	1042.2	978.0	915.1
27.5°	1343.1	1341.9	1307.4	1275.3	1240.8	1189.0	1150.7	1106.3	1054.5	997.8	933.6
30°	1313.5	1333.3	1311.1	1287.6	1245.7	1193.9	1156.9	1103.9	1055.8	1000.2	927.5
32.5°	1282.7	1307.4	1300.0	1288.9	1239.5	1198.8	1150.7	1101.4	1044.7	980.5	869.5
35°	1248.2	1274.1	1275.3	1263.0	1218.6	1177.9	1133.5	1081.7	1017.5	896.6	815.2
37.5°	1217.3	1242.0	1249.4	1223.5	1189.0	1134.7	1094.0	1039.7	923.8	842.4	800.4
40°	1193.9	1212.4	1223.5	1182.8	1148.3	1095.2	1048.4	953.4	848.5	820.2	761.0
42.5°	1169.2	1186.5	1191.4	1147.0	1094.0	1043.4	975.6	855.9	825.1	783.2	624.1
45°	1107.6	1128.5	1116.2	1073.0	1033.6	980.5	879.4	827.6	794.3	620.4	383.6
47.5°	831.3	854.7	888.0	900.3	913.9	875.7	820.2	801.7	652.4	376.2	119.6
50°	735.1	731.4	731.4	737.5	748.6	761.0	777.0	675.9	392.2	117.2	0.0
52.5°	299.7	314.5	387.3	452.6	527.9	603.1	626.5	414.4	152.9	2.5	0.0
55°	37.0	37.0	51.8	88.8	146.8	236.8	266.4	133.2	11.1	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	9.9	27.1	18.5	4.9	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4
2.5°	424.3	409.5	388.5	326.8	273.8	226.9	199.8	186.2
5°	542.7	506.9	458.8	325.6	222.0	148.0	111.0	97.4
7.5°	656.1	615.4	534.0	320.7	170.2	86.3	48.1	38.2
10°	705.5	675.9	603.1	313.3	123.3	40.7	40.7	41.9
12.5°	725.2	703.0	643.8	302.2	81.4	39.5	41.9	39.5
15°	738.8	717.8	663.5	289.8	46.9	40.7	33.3	29.6
17.5°	746.2	721.5	669.7	266.4	30.8	34.5	21.0	17.3
20°	769.6	730.1	674.6	239.3	29.6	23.4	11.1	8.6
22.5°	809.1	747.4	675.9	206.0	23.4	13.6	3.7	0.0
25°	844.8	770.8	679.6	162.8	7.4	3.7	0.0	0.0
27.5°	862.1	778.2	678.3	114.7	0.0	0.0	0.0	0.0
30°	841.1	759.7	667.2	71.5	0.0	0.0	0.0	0.0
32.5°	791.8	746.2	632.7	30.8	0.0	0.0	0.0	0.0
35°	775.8	716.6	553.8	3.7	0.0	0.0	0.0	0.0
37.5°	740.0	631.5	407.0	0.0	0.0	0.0	0.0	0.0
40°	636.4	456.3	193.6	0.0	0.0	0.0	0.0	0.0
42.5°	420.6	194.9	11.1	0.0	0.0	0.0	0.0	0.0
45°	148.0	12.3	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°	1.2	1.2	1.2	1.2	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	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
70°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	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)