

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: P1313887

Luminaire Tested: LDSQA3D17R609727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313887  
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: LDSQA3D17R609727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

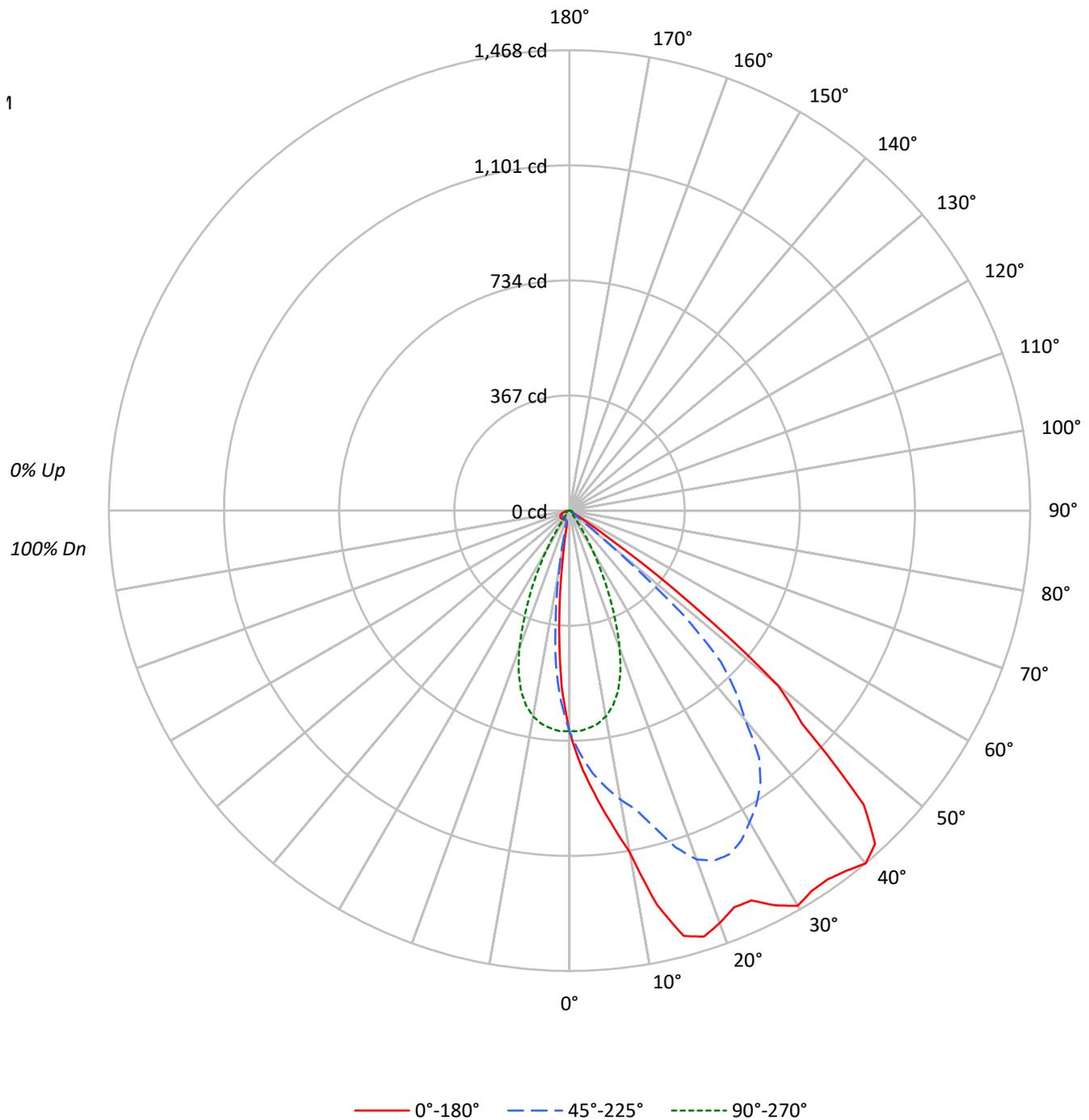
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1142.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 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): 21.2  
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				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°	121073	121073	121073	121073	121073
5°	156388	145202	120411	85749	65418
10°	193259	163670	116522	32423	9618
15°	250295	186286	106301	7114	6347
20°	256494	216980	85571	5920	6121
25°	260622	229685	57369	5739	6138
30°	289250	228139	29591	5787	6423
35°	301723	223049	8158	6118	7022
40°	330149	195616	3889	6542	7756
45°	323009	166229	3946	7088	8671
50°	232832	41020	4340	7797	9538
55°	44679	2582	4534	8407	10689
60°	2239	2583	4443	8921	11504
65°	2201	2649	4401	9210	12307
70°	2165	2719	4330	9215	12488
75°	2129	2861	4325	9316	12909
80°	1091	3174	4265	9620	12794
85°	2174	2174	4347	8497	12844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 323009 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	5.4
10°-20°	168.8	14.8
20°-30°	259.8	22.7
30°-40°	304.8	26.7
40°-50°	244.4	21.4
50°-60°	75.9	6.6
60°-70°	14.3	1.3
70°-80°	9.5	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°	489.7	42.9
0°-40°	794.5	69.6
0°-60°	1114.8	97.6
0°-90°	1142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	703	703	703	703	703	
5°	905	840	696	496	378	92
15°	1404	1045	596	40	36	384
25°	1372	1209	302	30	32	647
35°	1435	1061	39	29	33	908
45°	1326	682	16	29	36	949
55°	149	9	15	28	36	235
65°	5	6	11	23	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°	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0
2.5°	810.8	802.2	802.2	798.9	795.7	796.8	788.2	791.4	782.8	776.3	770.9
5°	904.6	893.8	892.7	887.4	882.0	877.6	866.9	860.4	847.5	839.9	823.7
7.5°	1001.6	993.0	987.6	981.2	971.4	960.7	942.3	930.5	910.0	889.5	869.0
10°	1105.1	1097.6	1085.7	1078.2	1051.2	1034.0	1009.2	993.0	962.8	935.9	904.6
12.5°	1286.3	1282.0	1259.3	1244.2	1205.4	1170.9	1117.0	1073.9	1020.0	975.8	933.7
15°	1403.8	1398.4	1386.6	1372.5	1347.7	1308.9	1260.4	1200.0	1124.6	1044.8	973.6
17.5°	1424.3	1425.4	1417.8	1414.6	1398.4	1373.6	1334.8	1289.5	1214.0	1125.6	1028.6
20°	1399.5	1408.1	1406.0	1412.4	1415.7	1406.0	1380.1	1335.9	1270.1	1183.9	1075.0
22.5°	1369.3	1376.8	1374.7	1386.6	1404.9	1414.6	1406.0	1370.4	1303.5	1207.6	1100.8
25°	1371.5	1376.8	1360.7	1368.2	1391.9	1415.7	1416.7	1385.5	1313.2	1208.7	1098.7
27.5°	1418.9	1402.7	1366.1	1362.8	1391.9	1422.1	1424.3	1385.5	1299.2	1186.0	1077.1
30°	1454.5	1442.6	1401.6	1396.3	1424.3	1444.8	1434.0	1373.6	1265.8	1147.2	1045.8
32.5°	1437.2	1439.4	1422.1	1439.4	1476.0	1484.7	1439.4	1345.6	1219.4	1109.5	1009.2
35°	1435.1	1443.7	1453.4	1480.4	1505.2	1484.7	1412.4	1292.7	1169.8	1060.9	952.0
37.5°	1448.0	1462.0	1476.0	1499.8	1499.8	1446.9	1341.3	1225.9	1110.5	991.9	833.4
40°	1468.5	1477.1	1481.4	1479.3	1450.2	1372.5	1260.4	1145.0	1035.1	870.1	754.7
42.5°	1441.5	1440.5	1436.1	1417.8	1363.9	1262.6	1158.0	1064.2	890.6	784.9	653.4
45°	1326.2	1326.2	1314.3	1285.2	1235.6	1151.5	1058.8	921.9	811.9	682.5	485.2
47.5°	1003.8	996.2	1009.2	1026.4	1026.4	1018.9	934.8	816.2	704.1	492.7	155.3
50°	869.0	857.2	841.0	844.2	842.1	850.7	796.8	707.3	520.8	153.1	10.8
52.5°	491.7	513.2	566.0	640.4	673.9	685.7	652.3	538.0	175.7	9.7	8.6
55°	148.8	153.1	173.6	213.5	290.0	370.9	376.3	174.7	11.9	8.6	8.6
57.5°	6.5	6.5	8.6	12.9	30.2	45.3	48.5	10.8	7.5	8.6	8.6
60°	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5	7.5	8.6
62.5°	5.4	5.4	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5
65°	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	7.5
67.5°	4.3	4.3	4.3	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4
72.5°	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3	5.4
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3
77.5°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2
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°	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0
2.5°	763.4	754.7	745.0	704.1	664.2	610.3	573.6	562.8
5°	809.7	795.7	774.1	696.5	602.7	496.0	409.7	378.4
7.5°	848.5	827.0	796.8	685.7	529.4	336.4	216.7	183.3
10°	876.6	849.6	810.8	666.3	432.4	185.4	73.3	55.0
12.5°	900.3	864.7	818.3	637.2	314.8	75.5	37.7	37.7
15°	916.5	873.3	821.6	596.2	203.8	39.9	35.6	35.6
17.5°	939.1	883.0	821.6	539.1	111.1	34.5	34.5	34.5
20°	975.8	892.7	809.7	466.9	61.5	32.3	33.4	33.4
22.5°	995.2	906.8	794.6	382.8	38.8	31.3	32.3	32.3
25°	999.5	904.6	762.3	301.9	31.3	30.2	31.3	32.3
27.5°	984.4	889.5	719.2	220.0	28.0	29.1	31.3	32.3
30°	957.4	852.8	650.1	148.8	25.9	29.1	31.3	32.3
32.5°	906.8	764.4	569.3	89.5	24.8	29.1	31.3	33.4
35°	793.5	671.7	476.6	38.8	23.7	29.1	32.3	33.4
37.5°	711.6	579.0	368.7	19.4	23.7	29.1	32.3	34.5
40°	621.0	465.8	170.4	17.3	23.7	29.1	32.3	34.5
42.5°	473.3	215.6	20.5	17.3	22.6	29.1	33.4	34.5
45°	172.5	22.6	10.8	16.2	22.6	29.1	33.4	35.6
47.5°	12.9	8.6	9.7	16.2	22.6	29.1	33.4	35.6
50°	8.6	8.6	9.7	16.2	22.6	29.1	33.4	35.6
52.5°	8.6	9.7	9.7	15.1	21.6	29.1	33.4	35.6
55°	8.6	9.7	9.7	15.1	21.6	28.0	33.4	35.6
57.5°	8.6	8.6	9.7	14.0	20.5	27.0	33.4	34.5
60°	8.6	8.6	9.7	12.9	19.4	25.9	31.3	33.4
62.5°	8.6	8.6	8.6	11.9	18.3	24.8	30.2	32.3
65°	7.5	7.5	8.6	10.8	16.2	22.6	28.0	30.2
67.5°	6.5	7.5	7.5	9.7	15.1	20.5	25.9	28.0
70°	6.5	6.5	6.5	8.6	12.9	18.3	23.7	24.8
72.5°	5.4	5.4	6.5	7.5	11.9	16.2	21.6	22.6
75°	4.3	5.4	5.4	6.5	9.7	14.0	18.3	19.4
77.5°	4.3	4.3	4.3	5.4	8.6	11.9	15.1	16.2
80°	3.2	3.2	3.2	4.3	6.5	9.7	11.9	12.9
82.5°	2.2	3.2	3.2	3.2	5.4	6.5	8.6	9.7
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	6.5
87.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)