

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: P1315831

Luminaire Tested: LDSQA3D17R609735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315831  
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: LDSQA3D17R609735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

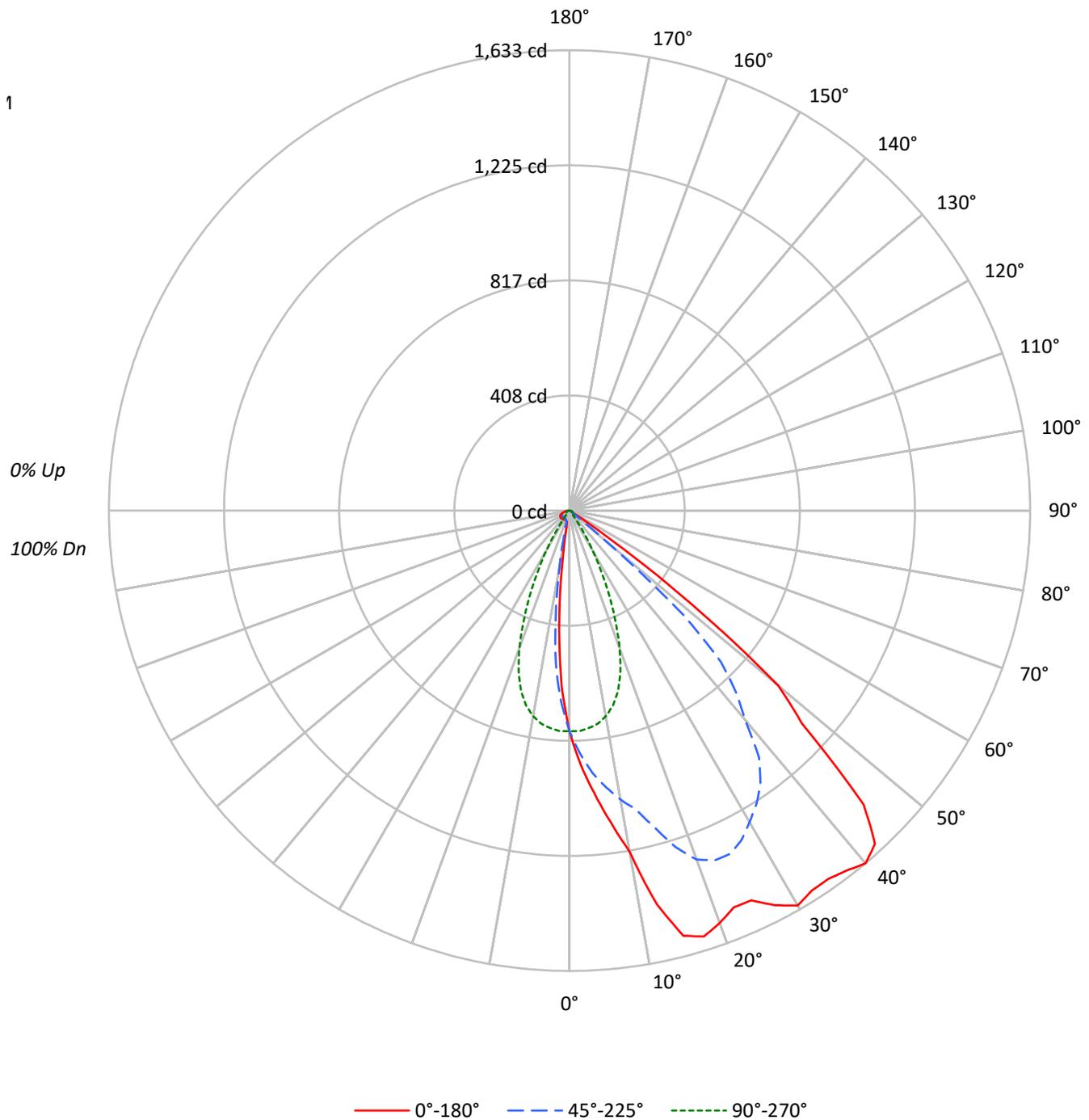
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1270.1 lumens  
Efficiency: N/A  
Efficacy: 59.9 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 (A<sub>in</sub>): 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	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	134644	134644	134644	134644	134644
5°	173918	161488	133913	95361	72765
10°	214927	182015	129586	36060	10703
15°	278341	207164	118229	7916	7061
20°	285250	241282	95157	6598	6818
25°	289829	255415	63792	6385	6841
30°	321665	253713	32912	6443	7159
35°	335530	248068	9083	6812	7821
40°	367155	217537	4317	7284	8633
45°	359202	184862	4384	7891	9645
50°	258928	45629	4823	8681	10610
55°	49693	2883	5044	9368	11890
60°	2480	2893	4960	9920	12813
65°	2445	2934	4890	10269	13692
70°	2417	3021	4834	10272	13898
75°	2396	3194	4791	10381	14373
80°	1190	3570	4761	10711	14282
85°	2371	2371	4742	9485	14227

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 359202 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.0	5.4
10°-20°	187.7	14.8
20°-30°	288.9	22.7
30°-40°	339.0	26.7
40°-50°	271.8	21.4
50°-60°	84.4	6.6
60°-70°	16.0	1.3
70°-80°	10.6	0.8
80°-90°	3.7	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°	544.6	42.9
0°-40°	883.6	69.6
0°-60°	1239.8	97.6
0°-90°	1270.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1270.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	782	782	782	782	782	
5°	1006	934	775	552	421	103
15°	1561	1162	663	44	40	428
25°	1525	1344	336	34	36	720
35°	1596	1180	43	32	37	1010
45°	1475	759	18	32	40	1055
55°	166	10	17	31	40	262
65°	6	7	12	25	34	6
75°	4	5	7	16	22	3
85°	1	1	2	5	7	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°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	901.7	892.1	892.1	888.5	884.9	886.1	876.5	880.1	870.5	863.3	857.3
5°	1006.0	994.0	992.8	986.8	980.8	976.0	964.0	956.8	942.4	934.1	916.1
7.5°	1113.9	1104.3	1098.3	1091.1	1080.3	1068.3	1048.0	1034.8	1012.0	989.2	966.4
10°	1229.0	1220.6	1207.4	1199.0	1169.1	1149.9	1122.3	1104.3	1070.7	1040.8	1006.0
12.5°	1430.5	1425.7	1400.5	1383.7	1340.5	1302.2	1242.2	1194.2	1134.3	1085.1	1038.4
15°	1561.1	1555.2	1542.0	1526.4	1498.8	1455.6	1401.7	1334.5	1250.6	1161.9	1082.7
17.5°	1583.9	1585.1	1576.7	1573.1	1555.2	1527.6	1484.4	1434.0	1350.1	1251.8	1143.9
20°	1556.4	1565.9	1563.5	1570.7	1574.3	1563.5	1534.8	1485.6	1412.5	1316.5	1195.4
22.5°	1522.8	1531.2	1528.8	1542.0	1562.3	1573.1	1563.5	1524.0	1449.6	1342.9	1224.2
25°	1525.2	1531.2	1513.2	1521.6	1548.0	1574.3	1575.5	1540.8	1460.4	1344.1	1221.8
27.5°	1577.9	1559.9	1519.2	1515.6	1548.0	1581.5	1583.9	1540.8	1444.8	1318.9	1197.8
30°	1617.5	1604.3	1558.7	1552.8	1583.9	1606.7	1594.7	1527.6	1407.7	1275.8	1163.1
32.5°	1598.3	1600.7	1581.5	1600.7	1641.5	1651.1	1600.7	1496.4	1356.1	1233.8	1122.3
35°	1595.9	1605.5	1616.3	1646.3	1673.9	1651.1	1570.7	1437.6	1301.0	1179.9	1058.8
37.5°	1610.3	1625.9	1641.5	1667.9	1667.9	1609.1	1491.6	1363.3	1235.0	1103.1	926.9
40°	1633.1	1642.7	1647.5	1645.1	1612.7	1526.4	1401.7	1273.4	1151.1	967.6	839.3
42.5°	1603.1	1601.9	1597.1	1576.7	1516.8	1404.1	1287.8	1183.5	990.4	872.9	726.6
45°	1474.8	1474.8	1461.6	1429.3	1374.1	1280.6	1177.5	1025.2	902.9	759.0	539.6
47.5°	1116.3	1107.9	1122.3	1141.5	1141.5	1133.1	1039.6	907.7	783.0	548.0	172.7
50°	966.4	953.2	935.2	938.8	936.4	946.0	886.1	786.6	579.1	170.3	12.0
52.5°	546.8	570.7	629.5	712.2	749.4	762.6	725.4	598.3	195.4	10.8	9.6
55°	165.5	170.3	193.0	237.4	322.5	412.5	418.5	194.2	13.2	9.6	9.6
57.5°	7.2	7.2	9.6	14.4	33.6	50.4	54.0	12.0	8.4	9.6	9.6
60°	7.2	7.2	7.2	7.2	7.2	7.2	8.4	8.4	8.4	8.4	9.6
62.5°	6.0	6.0	7.2	7.2	7.2	7.2	7.2	7.2	8.4	8.4	8.4
65°	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2	7.2	8.4
67.5°	4.8	4.8	4.8	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.0	6.0	6.0	6.0
72.5°	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8	4.8	4.8	6.0
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8	4.8
77.5°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6
80°	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	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°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	848.9	839.3	828.5	783.0	738.6	678.7	637.9	625.9
5°	900.5	884.9	860.9	774.6	670.3	551.6	455.6	420.9
7.5°	943.6	919.7	886.1	762.6	588.7	374.1	241.0	203.8
10°	974.8	944.8	901.7	741.0	480.8	206.2	81.5	61.2
12.5°	1001.2	961.6	910.1	708.6	350.1	83.9	42.0	42.0
15°	1019.2	971.2	913.7	663.1	226.6	44.4	39.6	39.6
17.5°	1044.4	982.0	913.7	599.5	123.5	38.4	38.4	38.4
20°	1085.1	992.8	900.5	519.2	68.3	36.0	37.2	37.2
22.5°	1106.7	1008.4	883.7	425.7	43.2	34.8	36.0	36.0
25°	1111.5	1006.0	847.7	335.7	34.8	33.6	34.8	36.0
27.5°	1094.7	989.2	799.8	244.6	31.2	32.4	34.8	36.0
30°	1064.7	948.4	723.0	165.5	28.8	32.4	34.8	36.0
32.5°	1008.4	850.1	633.1	99.5	27.6	32.4	34.8	37.2
35°	882.5	747.0	530.0	43.2	26.4	32.4	36.0	37.2
37.5°	791.4	643.9	410.1	21.6	26.4	32.4	36.0	38.4
40°	690.6	518.0	189.4	19.2	26.4	32.4	36.0	38.4
42.5°	526.4	239.8	22.8	19.2	25.2	32.4	37.2	38.4
45°	191.8	25.2	12.0	18.0	25.2	32.4	37.2	39.6
47.5°	14.4	9.6	10.8	18.0	25.2	32.4	37.2	39.6
50°	9.6	9.6	10.8	18.0	25.2	32.4	37.2	39.6
52.5°	9.6	10.8	10.8	16.8	24.0	32.4	37.2	39.6
55°	9.6	10.8	10.8	16.8	24.0	31.2	37.2	39.6
57.5°	9.6	9.6	10.8	15.6	22.8	30.0	37.2	38.4
60°	9.6	9.6	10.8	14.4	21.6	28.8	34.8	37.2
62.5°	9.6	9.6	9.6	13.2	20.4	27.6	33.6	36.0
65°	8.4	8.4	9.6	12.0	18.0	25.2	31.2	33.6
67.5°	7.2	8.4	8.4	10.8	16.8	22.8	28.8	31.2
70°	7.2	7.2	7.2	9.6	14.4	20.4	26.4	27.6
72.5°	6.0	6.0	7.2	8.4	13.2	18.0	24.0	25.2
75°	4.8	6.0	6.0	7.2	10.8	15.6	20.4	21.6
77.5°	4.8	4.8	4.8	6.0	9.6	13.2	16.8	18.0
80°	3.6	3.6	3.6	4.8	7.2	10.8	13.2	14.4
82.5°	2.4	3.6	3.6	3.6	6.0	7.2	9.6	10.8
85°	2.4	2.4	2.4	2.4	3.6	4.8	6.0	7.2
87.5°	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)