

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: P1323639

Luminaire Tested: LDSQA3D05R409030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

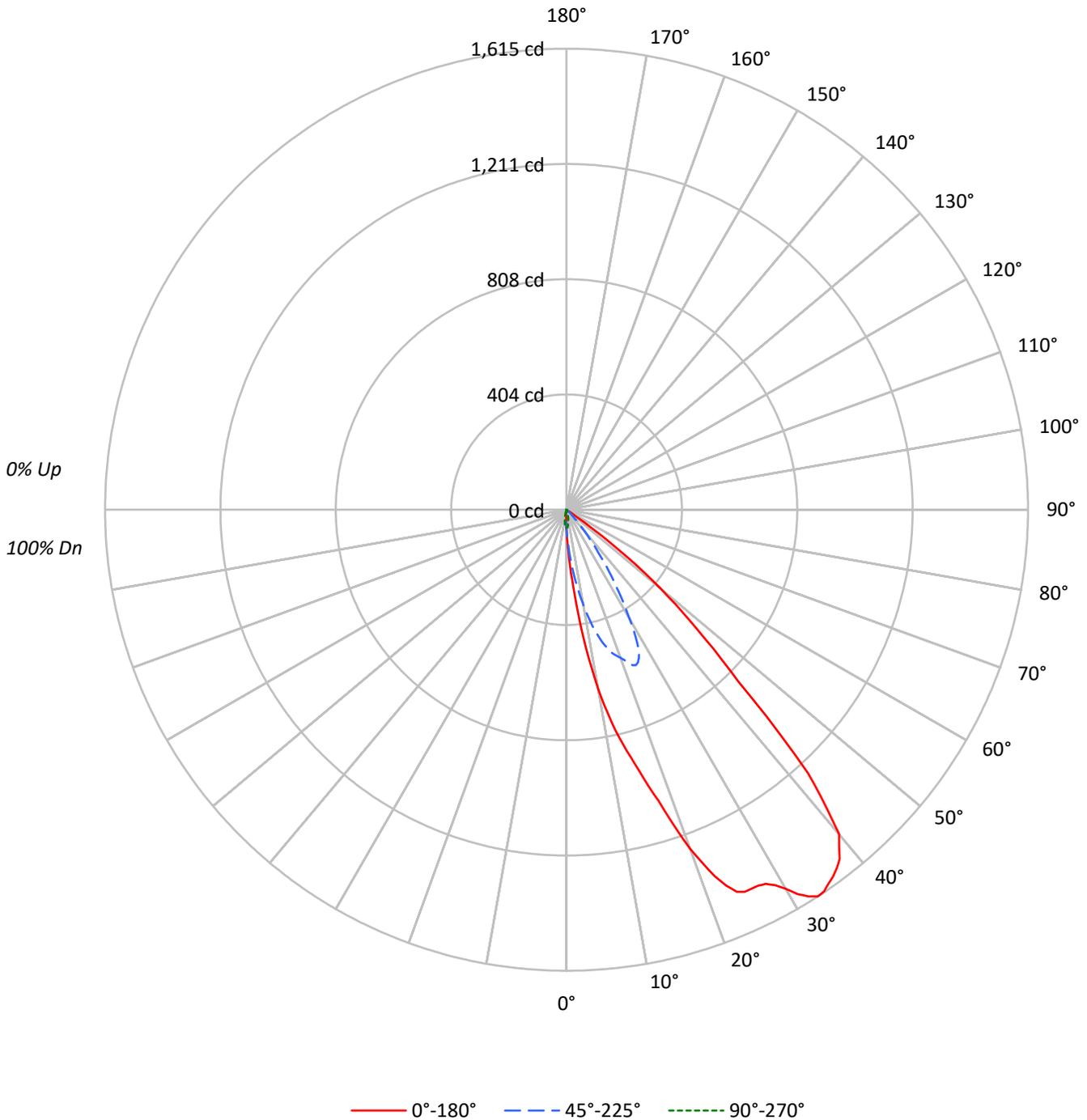
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 542.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				
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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10919	10919	10919	10919	10919
5°	46332	31585	9578	1729	864
10°	111381	58742	5928	175	0
15°	163927	85351	2496	0	0
20°	231734	101186	916	0	0
25°	280669	112306	0	0	0
30°	304742	87839	0	0	0
35°	336035	51426	0	0	0
40°	333521	20863	0	0	0
45°	206563	6089	0	0	0
50°	115023	134	0	0	0
55°	11230	0	0	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 207537 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	2.2
10°-20°	69.9	12.9
20°-30°	159.5	29.4
30°-40°	188.3	34.7
40°-50°	100.6	18.6
50°-60°	10.9	2.0
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	241.2	44.5
0°-40°	429.5	79.2
0°-60°	541.0	99.8
0°-90°	542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	542.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	63	63	63	63	63	
5°	268	183	55	10	5	38
15°	919	479	14	0	0	273
25°	1477	591	0	0	0	671
35°	1598	245	0	0	0	987
45°	848	25	0	0	0	699
55°	37	0	0	0	0	105
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
2.5°	147.7	144.8	146.8	142.8	142.8	133.8	134.3	126.8	115.8	88.3	62.9
5°	268.0	280.0	270.5	258.1	251.1	242.1	230.1	217.6	182.7	110.3	55.4
7.5°	448.7	447.7	431.8	418.3	402.8	378.9	356.4	325.9	260.1	126.3	45.9
10°	636.9	633.4	615.5	604.0	574.5	540.1	494.2	445.2	335.9	131.8	33.9
12.5°	793.7	789.2	774.2	754.7	722.3	678.8	629.4	565.0	415.8	125.8	22.0
15°	919.4	918.4	904.0	877.5	843.6	801.1	745.2	667.9	478.7	110.3	14.0
17.5°	1068.7	1074.7	1048.7	1020.3	971.3	911.9	843.6	755.2	525.1	91.3	9.0
20°	1264.4	1255.9	1231.9	1190.5	1143.6	1072.2	975.3	849.1	552.1	70.9	5.0
21°	1324.2	1320.8	1295.8	1257.4	1205.5	1133.1	1033.2	897.0	564.5	63.4	4.0
22°	1385.1	1379.2	1359.7	1322.3	1273.3	1191.5	1081.7	946.4	580.5	55.4	2.5
23°	1430.6	1428.1	1413.1	1376.2	1325.7	1246.4	1134.1	992.3	591.5	47.9	1.5
24°	1465.5	1462.5	1447.5	1419.6	1376.2	1293.3	1187.0	1041.7	596.0	41.4	0.5
25°	1477.0	1478.5	1469.5	1447.5	1411.1	1328.2	1226.4	1080.7	591.0	35.4	0.0
26°	1477.5	1482.0	1475.5	1463.0	1433.1	1356.2	1263.4	1103.6	578.0	29.9	0.0
27°	1477.5	1482.0	1475.5	1466.0	1436.6	1372.2	1283.3	1106.1	558.1	25.5	0.0
28°	1484.5	1487.0	1478.5	1467.0	1435.1	1377.2	1288.8	1091.1	526.1	22.0	0.0
29°	1503.9	1501.4	1487.5	1472.0	1433.6	1377.2	1272.3	1062.7	486.2	18.5	0.0
30°	1532.4	1532.4	1510.4	1486.0	1440.6	1376.7	1245.9	1011.3	441.7	15.0	0.0
31°	1570.8	1567.3	1545.4	1508.9	1455.5	1376.7	1206.9	954.4	400.8	13.0	0.0
32°	1596.8	1594.8	1573.8	1530.9	1480.0	1376.7	1165.0	891.5	356.4	10.5	0.0
33°	1614.8	1610.8	1586.8	1542.4	1495.0	1369.7	1118.1	824.1	316.5	8.5	0.0
34°	1612.3	1611.3	1586.3	1540.4	1492.0	1340.7	1063.7	749.2	279.5	7.0	0.0
35°	1598.3	1598.3	1567.8	1520.4	1470.5	1298.3	1009.8	685.3	244.6	5.0	0.0
36°	1587.8	1583.8	1549.4	1496.5	1434.6	1231.4	929.9	620.9	207.1	4.0	0.0
37°	1572.3	1564.8	1526.4	1469.5	1383.6	1159.0	846.1	563.5	175.2	2.5	0.0
38°	1552.4	1540.9	1494.0	1438.1	1327.7	1075.7	760.7	499.2	145.8	1.5	0.0
39°	1515.9	1506.4	1458.0	1397.6	1260.9	987.8	677.8	438.8	117.8	0.5	0.0
40°	1483.5	1467.0	1412.1	1342.7	1182.5	888.5	595.5	379.4	92.8	0.0	0.0
42.5°	1250.9	1233.4	1220.9	1152.0	941.9	637.9	415.8	243.1	48.4	0.0	0.0
45°	848.1	852.1	813.1	766.7	621.4	415.8	260.1	135.3	25.0	0.0	0.0
47.5°	618.4	608.0	555.1	467.2	364.4	243.1	135.8	65.4	10.0	0.0	0.0
50°	429.3	409.3	361.4	295.5	198.2	115.8	59.9	30.4	0.5	0.0	0.0
52.5°	233.1	219.1	185.7	134.8	82.4	44.4	24.0	12.5	0.0	0.0	0.0
55°	37.4	26.0	27.0	23.0	18.0	13.0	7.5	1.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
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):

	112.5°	135°	157.5°	180°
0°	63.4	63.4	63.4	63.4
2.5°	42.4	29.0	22.0	19.0
5°	24.5	10.0	5.5	5.0
7.5°	12.0	3.5	2.0	2.0
10°	5.0	1.0	0.0	0.0
12.5°	1.5	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)