

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: P1324127

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

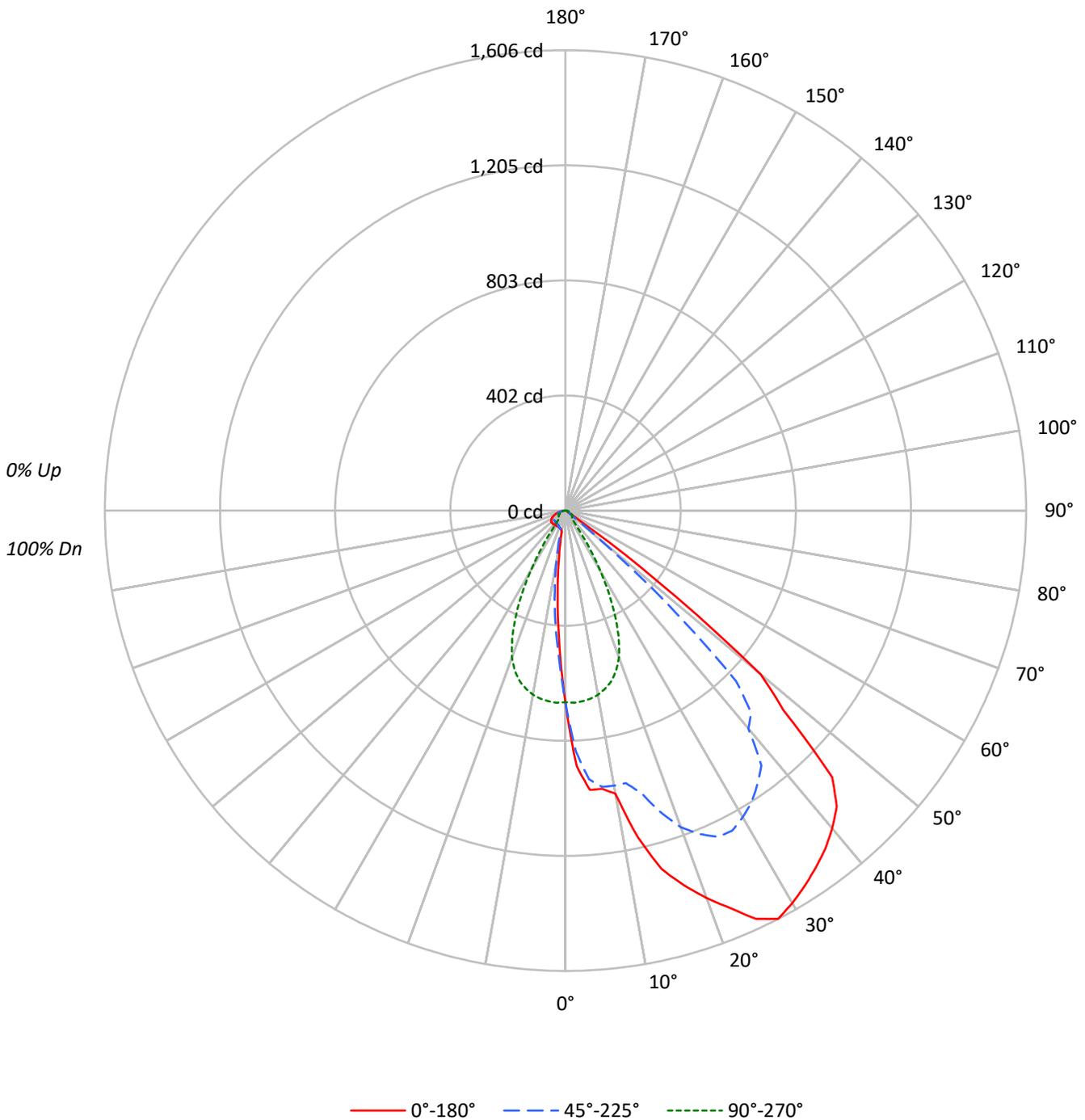
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 46.5 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	115062	115062	115062	115062	115062
5°	169025	162560	115501	68962	54025
10°	175264	170472	114074	32982	13343
15°	230807	181775	109885	11803	11554
20°	263642	215349	100013	11345	11620
25°	298532	238597	78538	10946	11497
30°	314406	245698	48682	10878	12310
35°	319699	245209	16042	11206	13014
40°	325338	223045	7779	11983	14254
45°	320183	204809	8062	12616	15442
50°	238030	37805	8092	13879	16987
55°	19037	5195	8648	14713	18166
60°	3961	5442	8439	14880	18841
65°	4116	5298	8232	14670	19357
70°	3626	5086	7956	13797	18833
75°	2861	4791	6721	13441	18232
80°	2876	4265	7141	12893	17158
85°	2766	5730	8497	11461	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 324056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	4.8
10°-20°	171.0	13.5
20°-30°	287.1	22.6
30°-40°	345.2	27.2
40°-50°	273.7	21.6
50°-60°	87.6	6.9
60°-70°	24.5	1.9
70°-80°	14.6	1.1
80°-90°	4.6	0.4
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°	518.9	40.9
0°-40°	864.1	68.1
0°-60°	1225.4	96.6
0°-90°	1269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	668	668	668	668	668	
5°	978	940	668	399	312	92
15°	1294	1020	616	66	65	364
25°	1571	1256	413	58	60	718
35°	1521	1166	76	53	62	952
45°	1315	841	33	52	63	944
55°	63	17	29	49	60	198
65°	10	13	20	36	48	10
75°	4	7	10	20	27	5
85°	1	3	4	6	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°	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1
2.5°	891.3	897.1	897.1	889.9	892.8	881.2	872.6	859.6	856.8	840.9	820.8
5°	977.7	974.8	974.8	969.1	971.9	967.6	963.3	960.4	951.8	940.3	928.7
7.5°	979.1	982.0	983.5	982.0	987.8	983.5	983.5	983.5	977.7	971.9	960.4
10°	1002.2	997.9	993.5	983.5	977.7	973.4	973.4	974.8	977.7	974.8	967.6
12.5°	1167.8	1151.9	1144.7	1120.3	1101.5	1069.9	1033.9	1006.5	982.0	973.4	967.6
15°	1294.5	1291.6	1277.2	1254.2	1231.1	1193.7	1151.9	1110.2	1065.5	1019.5	986.3
17.5°	1369.4	1363.6	1349.2	1324.7	1297.4	1262.8	1229.7	1198.0	1154.8	1103.0	1049.7
20°	1438.5	1425.5	1406.8	1378.0	1350.6	1317.5	1281.5	1251.3	1215.3	1175.0	1113.1
22.5°	1500.4	1488.9	1458.6	1419.8	1392.4	1360.7	1329.0	1300.2	1267.1	1221.1	1164.9
25°	1571.0	1545.0	1496.1	1445.7	1412.6	1386.6	1363.6	1340.6	1306.0	1255.6	1189.4
27.5°	1605.5	1569.5	1516.2	1465.8	1434.2	1406.8	1382.3	1359.3	1320.4	1258.5	1182.2
30°	1581.0	1560.9	1523.4	1484.6	1458.6	1432.7	1403.9	1369.4	1307.4	1235.5	1164.9
32.5°	1552.2	1542.2	1524.9	1501.8	1486.0	1460.1	1419.8	1363.6	1277.2	1206.7	1130.3
35°	1520.6	1516.2	1510.5	1500.4	1490.3	1465.8	1415.4	1333.4	1247.0	1166.3	1092.9
37.5°	1487.4	1483.1	1487.4	1486.0	1477.4	1445.7	1369.4	1293.1	1203.8	1121.7	979.1
40°	1447.1	1444.2	1451.4	1458.6	1448.6	1406.8	1324.7	1232.6	1153.4	992.1	943.1
42.5°	1399.6	1398.2	1411.1	1416.9	1402.5	1340.6	1244.1	1176.4	1009.4	957.5	842.4
45°	1314.6	1317.5	1323.3	1330.5	1321.8	1254.2	1166.3	1042.5	969.1	840.9	479.5
47.5°	1029.5	1032.4	1061.2	1121.7	1163.5	1140.4	1065.5	973.4	866.8	480.9	151.2
50°	888.4	885.6	887.0	901.4	934.5	966.2	943.1	892.8	516.9	141.1	18.7
52.5°	390.2	433.4	479.5	609.1	692.6	780.4	797.7	558.7	168.5	18.7	18.7
55°	63.4	66.2	83.5	122.4	220.3	332.6	403.2	187.2	17.3	17.3	17.3
57.5°	13.0	13.0	13.0	14.4	21.6	46.1	53.3	15.8	15.8	15.8	17.3
60°	11.5	11.5	11.5	11.5	13.0	13.0	13.0	14.4	14.4	15.8	15.8
62.5°	11.5	11.5	11.5	11.5	11.5	11.5	13.0	13.0	14.4	14.4	15.8
65°	10.1	10.1	10.1	10.1	11.5	11.5	11.5	11.5	13.0	13.0	14.4
67.5°	8.6	8.6	8.6	8.6	10.1	10.1	10.1	11.5	11.5	11.5	13.0
70°	7.2	7.2	7.2	7.2	8.6	8.6	8.6	8.6	10.1	10.1	10.1
72.5°	5.8	5.8	5.8	5.8	7.2	7.2	7.2	7.2	8.6	8.6	8.6
75°	4.3	4.3	5.8	5.8	5.8	5.8	5.8	5.8	7.2	7.2	7.2
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3
82.5°	1.4	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1
2.5°	807.8	787.6	760.3	671.0	588.9	514.1	476.6	472.3
5°	910.0	891.3	845.2	668.1	511.2	398.9	331.2	312.5
7.5°	948.9	933.1	892.8	662.4	437.7	286.5	210.2	181.4
10°	959.0	948.9	914.4	652.3	361.4	188.6	99.4	76.3
12.5°	963.3	956.1	923.0	636.4	285.1	97.9	67.7	67.7
15°	970.5	963.3	931.6	616.3	210.2	66.2	64.8	64.8
17.5°	1002.2	979.1	943.1	586.0	138.2	63.4	63.4	63.4
20°	1054.0	1003.6	948.9	545.7	86.4	61.9	61.9	63.4
22.5°	1097.2	1029.5	947.5	485.3	63.4	59.0	60.5	61.9
25°	1115.9	1041.1	934.5	413.3	54.7	57.6	60.5	60.5
27.5°	1113.1	1045.4	923.0	331.2	51.8	56.2	59.0	61.9
30°	1097.2	1033.9	897.1	244.8	49.0	54.7	59.0	61.9
32.5°	1069.9	989.2	845.2	158.4	47.5	54.7	59.0	61.9
35°	980.6	917.2	770.4	76.3	46.1	53.3	60.5	61.9
37.5°	928.7	840.9	587.5	37.4	44.6	53.3	60.5	61.9
40°	845.2	627.8	264.9	34.6	44.6	53.3	60.5	63.4
42.5°	531.3	257.7	43.2	33.1	43.2	53.3	60.5	63.4
45°	194.4	34.6	23.0	33.1	43.2	51.8	60.5	63.4
47.5°	20.2	20.2	21.6	31.7	41.8	51.8	60.5	63.4
50°	18.7	20.2	21.6	30.2	40.3	51.8	59.0	63.4
52.5°	18.7	20.2	21.6	30.2	38.9	50.4	59.0	63.4
55°	18.7	20.2	20.2	28.8	37.4	49.0	57.6	60.5
57.5°	17.3	18.7	20.2	27.4	36.0	46.1	56.2	59.0
60°	17.3	18.7	20.2	24.5	34.6	43.2	53.3	54.7
62.5°	15.8	17.3	18.7	23.0	31.7	40.3	49.0	51.8
65°	15.8	15.8	17.3	20.2	28.8	36.0	44.6	47.5
67.5°	13.0	14.4	14.4	17.3	24.5	31.7	40.3	43.2
70°	11.5	11.5	13.0	15.8	21.6	27.4	34.6	37.4
72.5°	10.1	10.1	10.1	13.0	18.7	24.5	30.2	33.1
75°	8.6	8.6	8.6	10.1	15.8	20.2	25.9	27.4
77.5°	7.2	7.2	7.2	8.6	13.0	17.3	20.2	23.0
80°	5.8	5.8	5.8	7.2	10.1	13.0	15.8	17.3
82.5°	4.3	4.3	4.3	5.8	7.2	8.6	11.5	11.5
85°	2.9	2.9	2.9	4.3	4.3	5.8	7.2	7.2
87.5°	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)