

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: P1323975

Luminaire Tested: LDSQA3D13R659030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

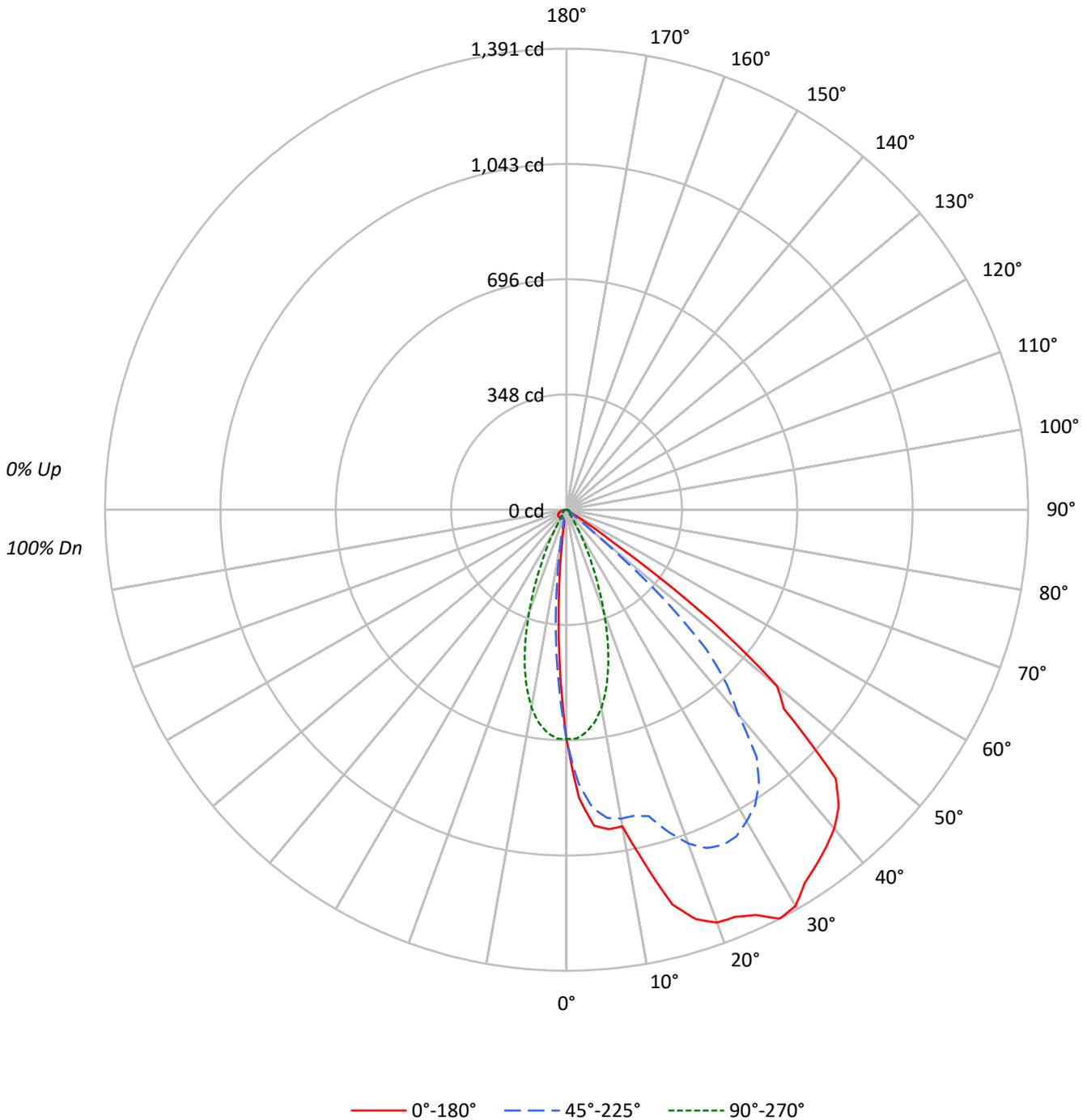
Test Method: LM-79-2019  
Report Number: P1323975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R659030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1036.0 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	119040	119040	119040	119040	119040
5°	165464	156163	116521	64035	45035
10°	169633	165488	105994	17890	6593
15°	219788	170649	86760	5759	5563
20°	242895	196325	60371	5132	5333
25°	256346	212146	34167	4903	5321
30°	274474	215809	15412	4932	5568
35°	275463	212537	4983	5214	6118
40°	282217	180576	3395	5576	6767
45°	279533	145527	3410	6040	7331
50°	221820	34322	3456	6645	8359
55°	52696	1952	3543	7446	9368
60°	1860	2239	4064	7784	10023
65°	2201	2201	3953	8354	10962
70°	1611	2165	3777	8107	11380
75°	1464	2129	3593	8584	11445
80°	1091	2182	4265	8529	11703
85°	2174	4347	4347	8497	10671

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 280045 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.7	5.6
10°-20°	151.9	14.7
20°-30°	238.6	23.0
30°-40°	273.0	26.3
40°-50°	219.4	21.2
50°-60°	71.4	6.9
60°-70°	12.7	1.2
70°-80°	8.4	0.8
80°-90°	3.0	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°	448.2	43.3
0°-40°	721.2	69.6
0°-60°	1012.0	97.7
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	691	691	691	691	691	
5°	957	903	674	370	260	90
15°	1233	957	487	32	31	343
25°	1349	1116	180	26	28	629
35°	1310	1011	24	25	29	823
45°	1148	598	14	25	30	826
55°	176	6	12	25	31	251
65°	5	5	10	20	27	5
75°	2	3	5	13	17	3
85°	1	2	2	4	5	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°	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2
2.5°	869.9	866.7	871.0	863.4	862.4	854.8	850.5	848.4	838.7	825.8	813.9
5°	957.1	944.2	947.4	946.3	941.0	937.7	933.4	928.0	915.1	903.3	888.2
7.5°	972.2	961.4	963.6	964.6	961.4	960.3	959.3	957.1	948.5	937.7	924.8
10°	970.0	959.3	958.2	955.0	951.7	952.8	952.8	952.8	950.7	946.3	942.0
12.5°	1094.9	1079.8	1076.6	1054.0	1033.5	998.0	975.4	953.9	944.2	945.3	942.0
15°	1232.7	1231.6	1220.9	1199.3	1164.9	1132.6	1080.9	1042.2	992.6	957.1	942.0
17.5°	1295.2	1294.1	1284.4	1266.1	1241.3	1211.2	1173.5	1128.3	1073.4	1018.5	973.3
20°	1325.3	1332.8	1322.1	1307.0	1283.3	1255.3	1219.8	1178.9	1127.2	1071.2	1017.4
22.5°	1329.6	1339.3	1329.6	1318.9	1301.6	1283.3	1253.2	1211.2	1158.4	1104.6	1051.9
25°	1349.0	1352.2	1331.8	1317.8	1301.6	1288.7	1265.0	1228.4	1174.6	1116.4	1064.8
27.5°	1391.0	1377.0	1333.9	1314.5	1299.5	1287.6	1265.0	1227.3	1169.2	1110.0	1056.2
30°	1380.2	1374.8	1337.2	1318.9	1305.9	1294.1	1266.1	1217.7	1147.7	1085.2	1029.2
32.5°	1336.1	1346.8	1333.9	1327.5	1321.0	1305.9	1265.0	1199.3	1120.8	1057.2	981.9
35°	1310.2	1323.2	1324.2	1324.2	1316.7	1294.1	1245.6	1172.4	1093.8	1010.9	909.7
37.5°	1284.4	1295.2	1301.6	1305.9	1295.2	1262.9	1201.5	1135.8	1049.7	941.0	763.3
40°	1255.3	1262.9	1268.3	1270.4	1254.3	1212.3	1156.3	1082.0	985.1	803.2	681.5
42.5°	1214.4	1218.7	1217.7	1216.6	1199.3	1153.1	1100.3	1022.8	831.1	715.9	568.5
45°	1147.7	1143.4	1149.8	1149.8	1127.2	1092.8	1022.8	872.1	743.9	597.5	366.0
47.5°	889.3	892.5	923.7	974.3	1005.6	995.9	901.1	763.3	625.5	391.9	121.7
50°	827.9	824.7	825.8	831.1	834.4	807.5	739.6	644.9	413.4	128.1	8.6
52.5°	555.5	558.8	583.5	640.6	658.9	639.5	574.9	430.6	150.7	8.6	7.5
55°	175.5	187.3	201.3	231.5	284.2	317.6	311.1	152.9	9.7	6.5	7.5
57.5°	6.5	6.5	8.6	15.1	29.1	47.4	49.5	9.7	7.5	7.5	7.5
60°	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	6.5
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4
70°	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3
75°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2
80°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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	2.2	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°	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2
2.5°	807.5	794.5	768.7	691.2	610.4	529.7	479.1	466.2
5°	871.0	855.9	819.3	674.0	510.3	370.4	290.7	260.5
7.5°	909.7	891.4	848.4	647.0	397.3	215.3	129.2	103.4
10°	927.0	910.8	862.4	606.1	287.5	102.3	45.2	37.7
12.5°	934.5	921.6	867.8	552.3	187.3	45.2	33.4	32.3
15°	937.7	923.7	865.6	486.6	106.6	32.3	31.2	31.2
17.5°	941.0	924.8	852.7	411.3	59.2	30.1	29.1	30.1
20°	966.8	920.5	830.1	329.4	38.8	28.0	28.0	29.1
22.5°	992.6	919.4	790.2	251.9	30.1	26.9	28.0	28.0
25°	1001.3	908.7	739.6	179.8	25.8	25.8	26.9	28.0
27.5°	985.1	877.4	671.8	121.7	22.6	25.8	26.9	28.0
30°	947.4	824.7	590.0	77.5	21.5	24.8	26.9	28.0
32.5°	877.4	720.3	498.5	46.3	20.5	24.8	28.0	28.0
35°	737.5	604.0	395.1	23.7	20.5	24.8	28.0	29.1
37.5°	644.9	503.9	275.6	16.1	20.5	24.8	28.0	29.1
40°	535.1	363.9	115.2	15.1	20.5	24.8	28.0	30.1
42.5°	370.4	158.3	18.3	14.0	19.4	24.8	29.1	30.1
45°	133.5	20.5	8.6	14.0	19.4	24.8	29.1	30.1
47.5°	11.8	7.5	8.6	14.0	19.4	24.8	29.1	31.2
50°	7.5	7.5	7.5	12.9	19.4	24.8	29.1	31.2
52.5°	7.5	7.5	7.5	12.9	18.3	24.8	30.1	31.2
55°	7.5	7.5	7.5	11.8	18.3	24.8	29.1	31.2
57.5°	7.5	7.5	8.6	11.8	18.3	23.7	29.1	30.1
60°	7.5	7.5	7.5	11.8	17.2	22.6	28.0	29.1
62.5°	6.5	7.5	7.5	10.8	16.1	21.5	26.9	28.0
65°	6.5	6.5	7.5	9.7	15.1	20.5	24.8	26.9
67.5°	5.4	6.5	6.5	8.6	12.9	18.3	22.6	24.8
70°	5.4	5.4	5.4	7.5	11.8	16.1	21.5	22.6
72.5°	4.3	5.4	5.4	6.5	9.7	14.0	18.3	20.5
75°	4.3	4.3	4.3	5.4	8.6	12.9	16.1	17.2
77.5°	3.2	3.2	4.3	4.3	7.5	9.7	14.0	15.1
80°	3.2	3.2	3.2	4.3	5.4	8.6	10.8	11.8
82.5°	2.2	2.2	2.2	3.2	4.3	5.4	7.5	8.6
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)