

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: P1324086

Luminaire Tested: LDSQA3D17R459030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

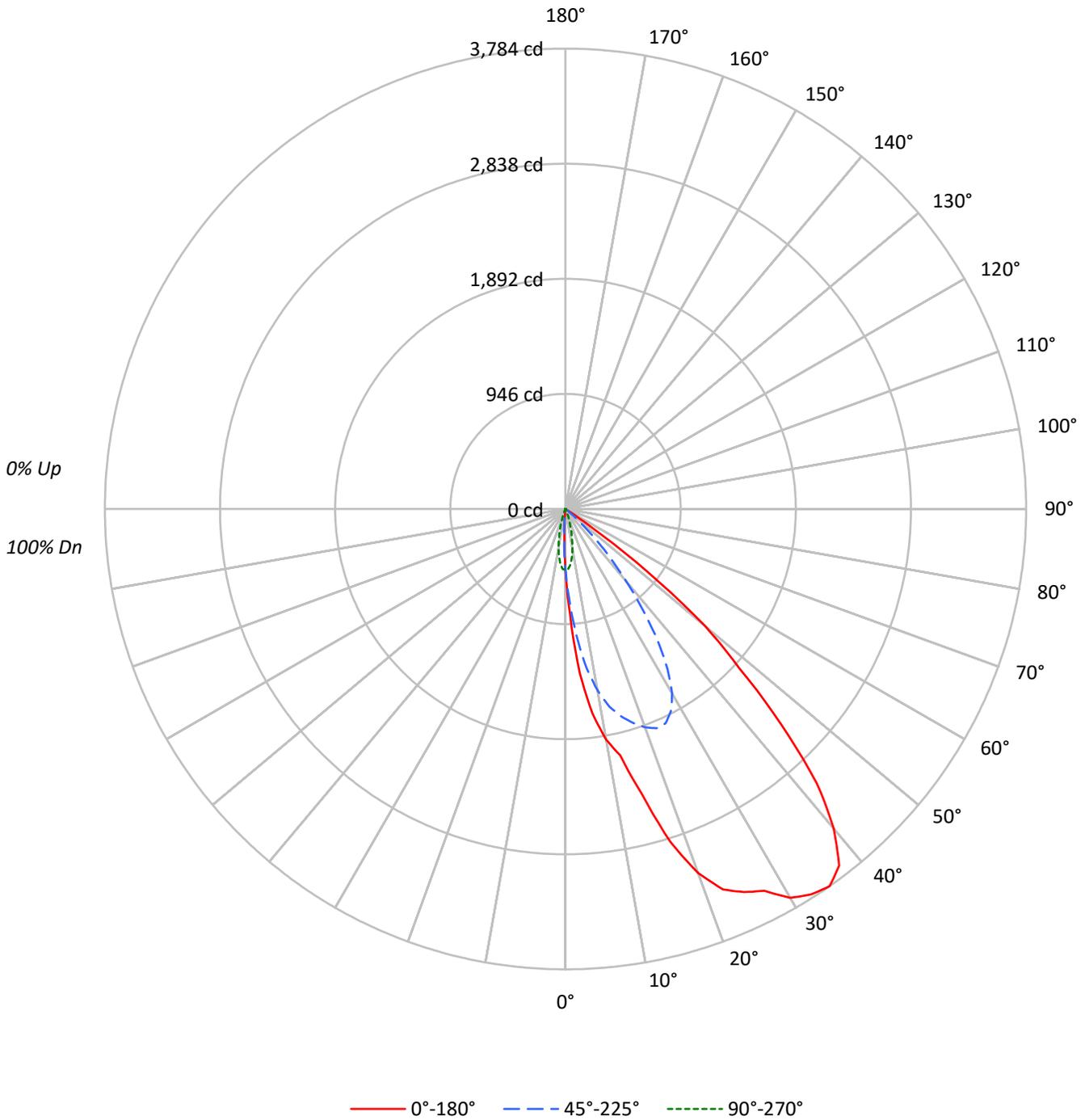
Test Method: LM-79-2019  
Report Number: P1324086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1604.0 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27  
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	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	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	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	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	85801	85801	85801	85801	85801
5°	234219	180211	79404	15922	5982
10°	336381	264383	57413	1504	1259
15°	433068	314464	30542	517	0
20°	583696	349891	11601	0	0
25°	660191	369621	3002	0	0
30°	733834	348452	278	0	0
35°	795504	277881	0	0	0
40°	771023	174461	0	0	0
45°	611213	83103	0	0	0
50°	400021	10423	0	0	0
55°	68730	0	0	0	0
60°	0	0	482	0	0
65°	0	571	571	0	0
70°	0	705	1460	0	0
75°	0	932	1930	0	0
80°	0	1389	2876	1389	0
85°	0	2766	5730	2766	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 611213 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.3	3.7
10°-20°	228.5	14.2
20°-30°	427.8	26.7
30°-40°	499.3	31.1
40°-50°	325.6	20.3
50°-60°	60.4	3.8
60°-70°	0.6	0.0
70°-80°	1.2	0.1
80°-90°	1.3	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°	715.6	44.6
0°-40°	1214.9	75.7
0°-60°	1600.9	99.8
0°-90°	1604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1604.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	498	498	498	498	498	
5°	1355	1042	459	92	35	145
15°	2429	1764	171	3	0	724
25°	3474	1945	16	0	0	1607
35°	3784	1322	0	0	0	2321
45°	2510	341	0	0	0	1908
55°	229	0	0	0	0	398
65°	0	1	1	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	1	0	0
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°	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2
2.5°	878.3	885.5	871.1	865.3	846.6	850.9	819.2	806.3	786.1	753.0	737.2
5°	1354.8	1341.9	1330.3	1305.9	1291.5	1252.6	1209.4	1160.5	1101.4	1042.4	974.7
7.5°	1694.6	1684.5	1680.2	1660.1	1631.3	1590.9	1534.8	1472.9	1396.6	1317.4	1215.2
10°	1923.5	1913.5	1896.2	1876.0	1853.0	1819.9	1765.2	1697.5	1614.0	1511.8	1392.3
12.5°	2073.3	2071.8	2043.0	2020.0	1991.2	1962.4	1906.3	1851.5	1769.5	1664.4	1529.0
15°	2428.9	2405.9	2368.4	2303.6	2223.0	2148.1	2057.4	1971.0	1881.8	1763.7	1612.5
17.5°	2872.3	2846.4	2783.1	2701.0	2571.4	2428.9	2273.4	2136.6	2002.7	1842.9	1664.4
20°	3184.8	3174.7	3121.4	3026.4	2888.2	2699.6	2495.1	2302.2	2113.6	1909.1	1688.8
22.5°	3384.9	3379.1	3357.5	3292.7	3151.7	2940.0	2676.5	2417.4	2189.9	1950.9	1681.6
25°	3474.2	3481.4	3484.2	3452.6	3338.8	3122.9	2810.4	2505.2	2233.1	1945.1	1626.9
27.5°	3537.5	3537.5	3549.0	3534.6	3419.4	3192.0	2862.3	2535.4	2218.7	1874.6	1511.8
30°	3690.1	3687.2	3694.4	3655.6	3495.8	3213.6	2839.2	2486.5	2136.6	1752.2	1346.2
32.5°	3756.4	3759.2	3757.8	3695.9	3510.2	3199.2	2783.1	2392.9	1985.4	1560.7	1127.3
35°	3783.7	3770.8	3717.5	3576.4	3341.7	3007.7	2624.7	2234.5	1773.8	1321.7	889.8
37.5°	3693.0	3655.6	3537.5	3344.6	3058.1	2737.0	2362.7	1950.9	1493.0	1036.6	669.5
40°	3429.5	3380.6	3232.3	2999.0	2737.0	2447.6	2053.1	1618.3	1167.7	776.0	469.4
42.5°	3056.6	3000.5	2840.7	2637.7	2398.7	2094.9	1701.8	1267.0	855.2	535.6	298.0
45°	2509.5	2477.8	2385.7	2214.4	1979.7	1664.4	1304.4	924.3	591.7	341.2	152.6
47.5°	1940.8	1900.5	1834.3	1716.2	1520.4	1220.9	912.8	627.7	380.1	168.5	31.7
50°	1493.0	1445.5	1364.9	1233.9	1029.4	814.9	591.7	391.6	192.9	38.9	1.4
52.5°	859.5	869.6	830.7	747.2	633.5	488.1	342.7	197.2	43.2	1.4	0.0
55°	228.9	247.6	241.9	260.6	228.9	192.9	142.5	37.4	2.9	0.0	0.0
57.5°	0.0	0.0	1.4	2.9	8.6	13.0	4.3	1.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2
2.5°	701.2	670.9	633.5	495.3	372.9	267.8	208.8	192.9
5°	909.9	836.5	741.5	459.3	230.4	92.1	41.8	34.6
7.5°	1107.2	999.2	827.9	401.7	116.6	23.0	11.5	10.1
10°	1259.8	1114.4	891.2	328.3	43.2	8.6	7.2	7.2
12.5°	1364.9	1187.8	914.3	249.1	15.8	4.3	4.3	2.9
15°	1425.4	1216.6	892.7	171.3	5.8	2.9	0.0	0.0
17.5°	1444.1	1205.1	835.1	108.0	1.4	0.0	0.0	0.0
20°	1428.3	1148.9	744.4	63.3	0.0	0.0	0.0	0.0
22.5°	1376.4	1061.1	634.9	34.6	0.0	0.0	0.0	0.0
25°	1280.0	937.3	506.8	15.8	0.0	0.0	0.0	0.0
27.5°	1123.0	777.5	381.5	5.8	0.0	0.0	0.0	0.0
30°	944.5	606.1	270.7	1.4	0.0	0.0	0.0	0.0
32.5°	737.2	446.3	174.2	0.0	0.0	0.0	0.0	0.0
35°	554.3	312.4	103.7	0.0	0.0	0.0	0.0	0.0
37.5°	385.9	197.2	54.7	0.0	0.0	0.0	0.0	0.0
40°	240.4	106.5	18.7	0.0	0.0	0.0	0.0	0.0
42.5°	133.9	37.4	1.4	0.0	0.0	0.0	0.0	0.0
45°	31.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0
60°	0.0	1.4	1.4	1.4	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	1.4	2.9	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	2.9	2.9	1.4	0.0	0.0	0.0
75°	1.4	1.4	2.9	2.9	1.4	0.0	0.0	0.0
77.5°	1.4	2.9	2.9	2.9	1.4	1.4	0.0	0.0
80°	1.4	2.9	2.9	2.9	2.9	1.4	0.0	0.0
82.5°	1.4	2.9	2.9	2.9	2.9	1.4	0.0	0.0
85°	1.4	2.9	2.9	2.9	1.4	1.4	0.0	0.0
87.5°	1.4	2.9	2.9	2.9	2.9	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)