

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: P1324061

Luminaire Tested: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

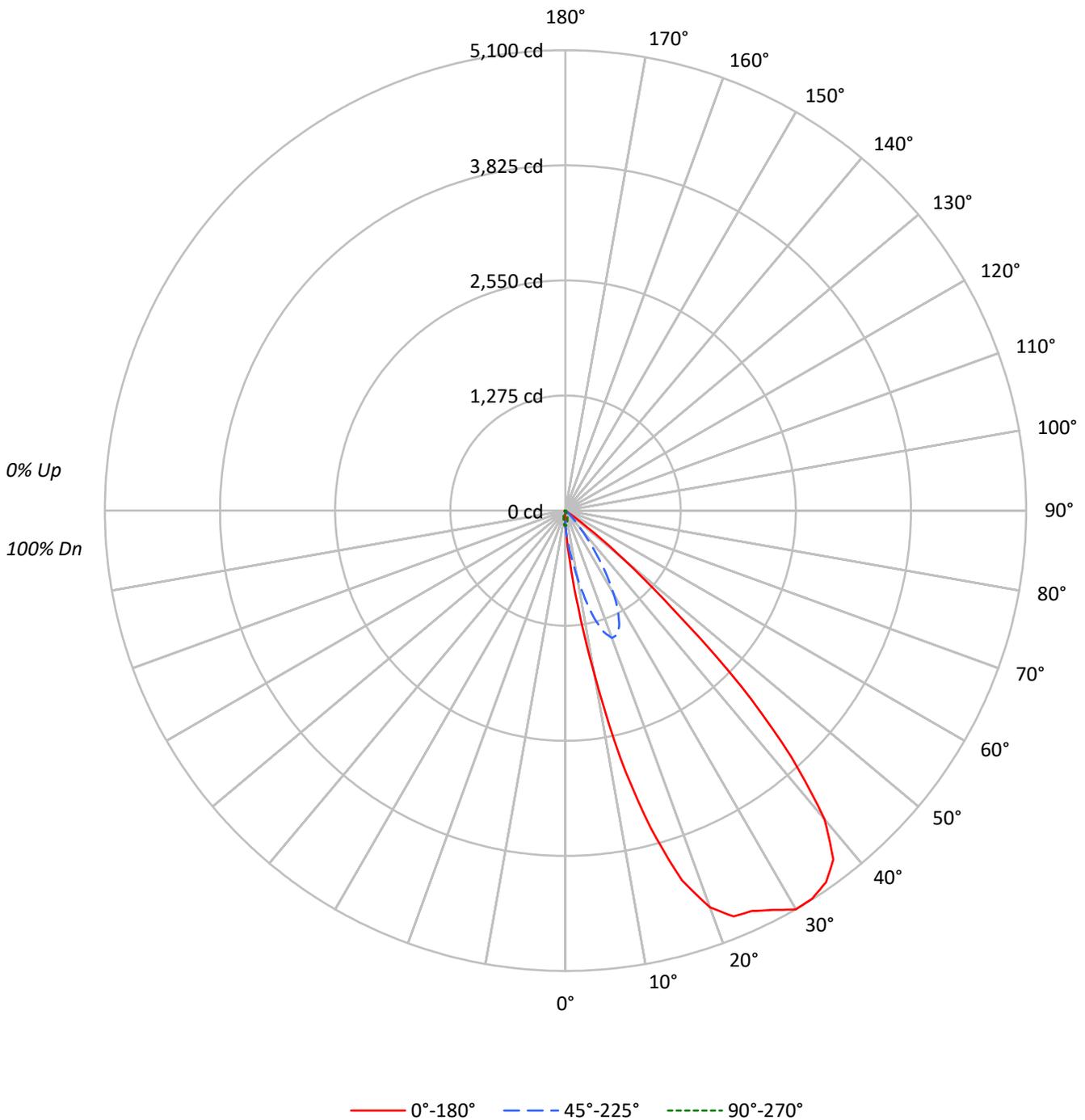
Test Method: LM-79-2019  
Report Number: P1324061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW 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): 2.45 / 0.5 / 1.25  
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	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

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

	0°	45°	90°	135°	180°
0°	29020	29020	29020	29020	29020
5°	98818	64225	27125	11445	8471
10°	318018	130180	21405	4285	2763
15°	647971	220786	15155	1533	1034
20°	856850	274968	9769	531	531
25°	929724	267311	5473	266	551
30°	1014214	213025	2287	278	577
35°	1056797	132602	610	294	610
40°	1002858	57936	315	652	967
45°	669472	23138	341	1047	1754
50°	224526	3858	777	1554	2304
55°	12551	420	871	2162	3033
60°	999	482	1481	2480	3479
65°	1182	571	1752	2934	4116
70°	705	705	2165	3626	4330
75°	932	932	2861	3859	4791
80°	0	1389	4265	4265	4265
85°	0	2766	8497	2766	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 669472 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.2	1.8
10°-20°	230.4	14.4
20°-30°	486.2	30.3
30°-40°	551.7	34.4
40°-50°	271.5	16.9
50°-60°	23.5	1.5
60°-70°	4.8	0.3
70°-80°	4.4	0.3
80°-90°	2.2	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°	745.8	46.5
0°-40°	1297.5	80.9
0°-60°	1592.6	99.3
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°	168	168	168	168	168	
5°	572	372	157	66	49	94
15°	3634	1238	85	9	6	1033
25°	4893	1407	29	1	3	2277
35°	5026	631	3	1	3	3098
45°	2749	95	1	4	7	2031
55°	42	1	3	7	10	164
65°	3	1	4	7	10	2
75°	1	1	4	6	7	1
85°	0	1	4	1	3	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5
2.5°	292.3	299.5	296.6	295.2	293.7	288.0	275.0	273.6	260.6	252.0	208.8
5°	571.6	560.1	563.0	547.1	527.0	498.2	479.5	439.2	406.0	371.5	243.3
7.5°	1077.0	1061.2	1030.9	984.9	937.3	875.4	781.8	707.0	620.6	538.5	270.7
10°	1818.5	1809.9	1771.0	1652.9	1549.3	1383.7	1228.2	1064.1	902.8	744.4	289.4
12.5°	2809.1	2750.1	2679.6	2522.6	2318.2	2110.8	1804.1	1520.5	1262.7	997.8	290.8
15°	3634.2	3596.7	3497.4	3292.9	3046.7	2747.2	2383.0	2001.4	1612.6	1238.3	276.5
17.5°	4298.0	4240.4	4112.2	3912.1	3628.4	3239.7	2813.5	2348.4	1874.7	1409.6	252.0
20°	4675.2	4645.0	4547.1	4346.9	4037.3	3612.6	3127.4	2586.0	2038.8	1500.3	220.3
22.5°	4865.3	4843.7	4771.7	4611.8	4322.4	3894.8	3339.0	2709.8	2086.3	1490.2	187.2
25°	4892.6	4886.9	4824.9	4704.0	4462.1	4038.8	3431.2	2732.8	2047.5	1406.7	155.5
27.5°	4987.6	4967.5	4894.1	4773.1	4529.8	4063.3	3399.5	2653.6	1922.2	1259.9	129.6
30°	5100.0	5085.6	5012.1	4886.9	4598.9	4040.2	3287.2	2478.0	1722.1	1071.2	96.5
32.5°	5091.3	5085.6	5023.6	4891.2	4549.9	3904.9	3087.0	2214.5	1449.9	845.2	60.5
35°	5026.5	5006.4	4928.6	4724.2	4270.6	3556.4	2706.9	1857.4	1147.6	630.7	38.9
37.5°	4871.0	4827.8	4696.8	4349.8	3771.0	3019.4	2204.4	1434.1	812.1	421.9	24.5
40°	4460.7	4405.9	4142.5	3723.5	3117.3	2378.6	1640.0	986.3	535.6	257.7	10.1
42.5°	3700.4	3589.5	3326.1	2895.5	2326.8	1681.7	1077.0	639.3	315.3	155.5	2.9
45°	2748.7	2663.7	2387.3	1997.1	1524.8	1078.4	652.3	345.6	174.2	95.0	1.4
47.5°	1601.1	1549.3	1406.7	1150.4	842.3	565.9	334.0	185.7	102.2	46.1	1.4
50°	838.0	773.2	665.2	503.9	371.5	260.6	162.7	99.3	50.4	14.4	1.4
52.5°	293.7	289.4	263.5	198.7	161.3	116.6	79.2	43.2	14.4	2.9	1.4
55°	41.8	41.8	38.9	43.2	46.1	41.8	27.4	11.5	2.9	1.4	1.4
57.5°	2.9	2.9	2.9	4.3	5.8	5.8	4.3	1.4	1.4	1.4	2.9
60°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
62.5°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
65°	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
77.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9
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):**

	90°	112.5°	135°	157.5°	180°
0°	168.5	168.5	168.5	168.5	168.5
2.5°	167.0	133.9	106.5	93.6	89.3
5°	156.9	100.8	66.2	51.8	49.0
7.5°	139.7	72.0	40.3	28.8	27.4
10°	122.4	51.8	24.5	17.3	15.8
12.5°	102.2	36.0	15.8	10.1	8.6
15°	85.0	24.5	8.6	7.2	5.8
17.5°	67.7	15.8	5.8	4.3	5.8
20°	53.3	10.1	2.9	2.9	2.9
22.5°	40.3	5.8	2.9	2.9	2.9
25°	28.8	2.9	1.4	1.4	2.9
27.5°	20.2	1.4	1.4	1.4	2.9
30°	11.5	1.4	1.4	1.4	2.9
32.5°	5.8	1.4	1.4	2.9	2.9
35°	2.9	1.4	1.4	2.9	2.9
37.5°	1.4	1.4	1.4	2.9	4.3
40°	1.4	1.4	2.9	4.3	4.3
42.5°	1.4	1.4	2.9	4.3	5.8
45°	1.4	2.9	4.3	5.8	7.2
47.5°	2.9	2.9	5.8	7.2	8.6
50°	2.9	4.3	5.8	8.6	8.6
52.5°	2.9	4.3	7.2	8.6	10.1
55°	2.9	5.8	7.2	10.1	10.1
57.5°	4.3	5.8	7.2	10.1	10.1
60°	4.3	5.8	7.2	10.1	10.1
62.5°	4.3	5.8	7.2	10.1	10.1
65°	4.3	5.8	7.2	10.1	10.1
67.5°	4.3	5.8	7.2	8.6	10.1
70°	4.3	5.8	7.2	8.6	8.6
72.5°	5.8	5.8	7.2	8.6	8.6
75°	4.3	5.8	5.8	7.2	7.2
77.5°	4.3	4.3	4.3	5.8	5.8
80°	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	2.9	2.9	4.3	4.3
85°	4.3	2.9	1.4	2.9	2.9
87.5°	2.9	2.9	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)